

The Underline - Segment 6

BUILD Grant FY 2018

Appendix M

**Underline Limited
Environmental Phase II**



LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

THE UNDERLINE - 10 MILE CORRIDOR PARK

Miami River to SW 98th Street along US-1, Miami, Florida

PREPARED FOR:

**MIAMI-DADE COUNTY DEPARTMENT OF
REGULATORY AND ECONOMIC RESOURCES,
DIVISION OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM)**
701 N.W. 1st Court; 4th Floor
Miami, FL 33136

PREPARED BY:

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.
5845 N.W. 158th Street
Miami Lakes, Florida 33014

Amec Foster Wheeler Project Number 6783-17-2970

July 21, 2017



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Ms. Julie Balogh
**MIAMI-DADE COUNTY DEPARTMENT OF
REGULATORY AND ECONOMIC RESOURCES,
DIVISION OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM)**
701 N.W. 1st Court; 4th Floor
Miami, FL 33136

Subject: **LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
THE UNDERLINE - 10 MILE CORRIDOR PARK**
Miami River to SW 98th Street along US-1, Miami, Florida
Amec Foster Wheeler Project Number 6783-17-2970

Dear Ms. Balogh:

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) submits this Phase II Environmental Site Assessment (ESA) report to address the DERM requirements for assessment of the 10 miles of the proposed Underline within the Metrorail right-of-way extending from the Miami River to SW 98th Street along US-1 in Miami, Florida. The Miami-Dade County Department of Transportation and Public Works (DTPW) intends to develop the subject property into a linear park, urban trail, and living art destination. The Character Zones of The Underline are proposed for extensive recreational uses including basketball courts, skating fields, soccer field, butterfly gardens, seating areas and exercise gymnasiums. The purpose of the Limited Phase II ESA is to evaluate soils within construction areas of the site that may have been impacted by adjacent and surrounding properties. The Phase I Environmental Site Assessment also recommended evaluation of the areas that have historical dry cleaners, petroleum contaminated, and commercial/industrial sites. The report is intended to assist DTPW with the evaluation of the risk of adverse environmental impact to the subject property. A copy of the DERM work order is included in **Appendix A** and DERM's correspondence is included in **Appendix B**.

SITE DESCRIPTION

The site is The Underline within the Miami-Dade Metrorail right-of-way extending from SW 98th Street northeast to the Brickell Station located south of the Miami River at 1001 SW 1st Avenue, Miami, Florida. The ten mile site includes the following Metrorail stations going south from the Brickell Station: Vizcaya, Coconut Grove, Douglas Road, University, South Miami, and Dadeland North. Part of the site is located within the City of Miami.

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According to the Miami-Dade County Property Appraiser the site is owned by the Miami-Dade County Transit Department. **Figures 1 to 11** present the location of the Site.

SOIL QUALITY

During the period of June 14, 2017 thru June 27, 2017, Amec Foster Wheeler personnel conducted soil assessment activities at the site. Prior to boring installation, the locations were marked out with white paint and the utilities were located utilizing the services of Amec Foster Wheeler's subcontractor, Ground Penetrating Radar Services (GPRS). Twenty five soil borings (SB-1 through SB-25) were advanced along the Underline within the Miami-Dade Metrorail right-of-way. One proposed soil boring in the vicinity of Dadeland Metro Station could not be installed due to lack of access to the area. The DERM and DTPW were notified and it was agreed that the boring is not required at this time. **Figures 1 through 11** illustrate the soil boring locations. Soils were characterized to the terminal depth of each soil boring. The soil borings were terminated at two feet below land surface (bls) except soil borings, SB-5 through SB-7 located in the vicinity of the Southside Park, which were advanced to 12 feet below surface. Soil borings, SB-5 through SB-7 were installed between SW 11th Street and 12th Street along the Metrorail property on the east side of FPL duct bank to identify and delineate solid waste. Soil borings SB-5 thru SB-7, at the Southside Park area did not encounter any solid waste. The soil borings were installed at the centerline under the Metrorail, approximately 25 and 50 feet to the east and west of the centerline at select locations.

The GPS coordinates of the soil boring locations were obtained using a sub-meter GPS unit. The GPS coordinates are included in **Table 1**. Soil samples were collected from 0-6" and 6-24" below existing surface for laboratory analysis. A site specific Health and Safety Plan was prepared for the field activities and a copy is included in **Appendix C**. Field notes and soil boring logs detailing OVA readings are presented in **Appendix D**.

Soil samples were submitted to Pace Analytical Services LLC, a State of Florida certified laboratory, for analysis of VOCs by EPA Method 8260, PAHs by EPA Method 8720, TRPH by FL-PRO, Chlorinated Pesticides by EPA method 8081B, Chlorinated Herbicides by EPA Method 8151B, and 8 RCRA Metals by EPA Method 6010B. Based on the preliminary laboratory results, select samples were also analyzed for Synthetic Precipitation Leaching Procedure (SPLP) or Toxic Characteristic Leaching Procedure (TCLP) arsenic and lead.

The following laboratory sample analysis was performed:

- Rail Line Samples (RLS) were analyzed for VOCs, PAHs, arsenic and lead
- Petroleum Samples (PCS) were analyzed for VOAs (BTEX+MTBE), PAHs, TRPH, 8 RCRA metals,
- Dry Cleaner Samples (DCS) were analyzed for VOCs, PAHs, TRPH and 8 RCRA metals.



- The Solid Waste Sample (SWS) was analyzed for VOCs, PAHs, Chlorinated Pesticides, Chlorinated Herbicides, and 8 RCRA metals.

SOIL ANALYTICAL RESULTS

A summary of the soil analytical results are presented in **Tables 2** thru **5**. Benzo(a)pyrene, arsenic and lead was detected above the applicable Soil Cleanup Target Levels (SCTLs) in several soil samples. The SPLP/TCLP results showed concentrations of arsenic and lead exceeding the groundwater cleanup target levels. The soil laboratory analytical results and chain of custody forms are included in **Attachment E**. The Benzo(a)pyrene Conversion Tables are included in **Attachment F**. The soil concentrations for Benzo(a)pyrene, total arsenic and total lead, and SPLP/TCLP arsenic and lead for 0-6" and 6-24" depth intervals are presented in **Figures 1-11**.

CONCLUSIONS

The soil analytical results showed concentrations of Benzo(a)pyrene, arsenic, and lead above the Residential and/or Commercial/Industrial cleanup target Levels. The SPLP/TCLP results showed concentrations of arsenic and lead exceeding the groundwater cleanup target levels. The data is presented in **Tables 1-5** and **Figures 1-11**. Based on the soil analytical results obtained during the site assessment activities performed in June 2017, Amec Foster Wheeler recommends horizontal and vertical delineation of contaminated soil in the vicinity of the soil borings that exhibited exceedances. The delineated soil may require removal and proper disposal during proposed construction, including the Brickell Backyard area.

If you require additional information, please contact us at.

Sincerely,

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.

Handwritten signature of Marcelo Pichardo in blue ink.

Marcelo Pichardo
Environmental Engineer

Handwritten signature of Ashok Aitharaju in blue ink.

Ashok Aitharaju, PMP
Project Manager

Handwritten signature of Ricardo Fraxedas in blue ink.

Ricardo Fraxedas, P.E.
Chief Engineer

Distributions: Addressee (2) w/CD (word, excel and CADD)
Akbar Sharifi- DTPW (1)
File (1)



TABLES

**TABLE 1: Soil Boring Plan
DERM14 Underline
Amecfw Project#6783-17-2970**

Line#	Sample ID#	Date Sampled	GPS Coordinates	Character Zone	Laboratory Analysis
1	SB-1	06/14/17	25°46'4.5296" N, 80°11'44.3349" W	Picnic Area	RLS sample
3	SB-1-W25	06/14/17	25°46' 4.5183"N, 80°11' 44.7016"W	Picnic Area	RLS sample
4	SB-1-E25	06/14/17	25°46'4.6815" N, 80°11'44.1440" W	Picnic Area	RLS sample
2	SB-2	06/14/17	25°46'2.8804" N, 80°11'43.8069" W	River Cleaners	DCS sample
5	SB-3	06/14/17	25°46'1.0653" N, 80°11'44.0279" W	Dog Park	RLS sample
6	SB-3-W25	06/14/17	25°46'1.2323" N, 80°11'44.1726" W	Dog Park	RLS sample
7	SB-3-E50	06/14/17	25°46'1.1035" N, 80°11'43.4459" W	Dog Park	RLS sample
8	SB-4	06/20/17	25°45'53.6140" N, 80°11'44.6946" W	Plaza	RLS sample
9	SB-4W25	06/20/17	25°45'54.6925" N, 80°11'44.6572" W	Plaza	RLS sample
10	SB-4E25	06/20/17	25°45'54.0026" N, 80°11'41.5790" W	Plaza	RLS sample
11	SB-5	06/20/17	25°45'46.2946" N, 80°11'43.9611" W	Southside Park (Climbing Wall)	PCS sample
12	SB-6	06/20/17	25°45'45.9310" N, 80°11'43.5830" W	Southside Park (Climbing Wall)	PCS sample
13	SB-7	06/16/17	25°45'45.6" N, 80°11'42.9" W	Southside Park (Climbing Wall)	PCS sample
14	SB-8	06/14/17	25°45'33.1036" N, 80°11'48.9603" W	Nature Play Ground	PCS sample
15	SB-8-E25	06/14/17	25°45'32.8548" N, 80°11'48.8039" W	Nature Play Ground	RLS sample
16	SB-8E50	06/14/17	25°45'32.7705" N, 80°11'48.6482" W	Nature Play Ground	RLS sample

**TABLE 1: Soil Boring Plan
DERM14 Underline
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Line#	Sample ID#	Date Sampled	GPS Coordinates	Character Zone	Laboratory Analysis
17	SB-9	06/14/17	25°45'14.4572" N, 80°12'15.8055" W	-	RLS sample
18	SB-9W25	06/14/17	25°45'32.8548" N, 80°11'48.8039" W	-	RLS sample
19	SB-9E25	06/14/17	25°45'14.2315" N, 80°12'15.3985" W	-	RLS sample
20	SB-10	06/15/17	25°45'0.8257" N, 80°12'34.7400" W	Solid waste	SWS sample
21	SB-11	06/15/17	25°44'59.8537" N, 80°12'39.7130" W	Vizcaya Stn	RLS sample
22	SB-11W25	06/15/17	25°45'0.0541" N, 80°12'39.7654" W	Vizcaya Stn	RLS sample
23	SB-11E25	06/15/17	25°44'59.5846" N, 80°12'39.6025" W	Vizcaya Stn	RLS sample
24	SB-12	06/27/17	25°44'35.4" N, 80°13'46.23" W	N of SW 22Ave and US1	RLS sample
25	SB-12W25	06/15/17	25°44'35.7540" N, 80°13'46.1688" W	N of SW 22Ave and US1	RLS sample
26	SB-12E25	06/15/17	25°44'35.4515" N, 80°13'46.0376" W	N of SW 22Ave and US1	RLS sample
27	SB-13	06/15/17	25°44'21.8928" N, 80°14'25.3127" W	Paved Plaza/Butterfly Garden	PCS sample
28	SB-14	06/27/17	25°44'14.52" N, 80°14'44.20" W	N of SW 32nd Ave	RLS sample
29	SB-14W25	06/15/17	25°44'14.5769" N, 80°14'44.4569" W	N of SW 32nd Ave	RLS sample
30	SB-14E25	06/15/17	25°44'14.2062" N, 80°14'44.2646" W	N of SW 32nd Ave	RLS sample
31	SB-15	06/16/17	25°44'3.8041" N, 80°15'10.6863" W	Deel Volvo Next to fence	PCS sample
32	SB-16	06/27/17	25°43'55.7121" N, 80°15'20.4001" W	Skate Park (end of 38th Ave) Douglas Road Stn	RLS sample

**TABLE 1: Soil Boring Plan
DERM14 Underline
Amecfw Project#6783-17-2970**

Line#	Sample ID#	Date Sampled	GPS Coordinates	Character Zone	Laboratory Analysis
34	SB-16E25	06/16/17	25°43'55.2610" N, 80°15'20.0272" W	Skate Park (end of 38th Ave) Douglas Road Stn	RLS sample
33	SB-16E50	06/16/17	25°43'55.1169"N, 80°15'19.9738" W	Skate Park (end of 38th Ave)	RLS sample
35	SB-17	06/27/17	25°43'23.05 N, 80°16'0.14" W	Wet Prairie Garden	RLS sample
36	SB-17-W50	06/16/17	25°43'44.94 N, 80°16'0.6329" W	Wet Prairie Garden	RLS sample
37	SB-17E25	06/16/17	25°43'22.9555" N, 80°16'0.1828" W	Wet Prairie Garden	RLS sample
38	SB-18	06/20/17	25°43'2.9545"N, 80°16'25.1435" W	Dog Park	RLS sample
39	SB-18W25	06/20/17	25°43'3.2250" N, 80°16'25.3602" W	Dog Park	RLS sample
40	SB-18E25	06/20/17	25°43'2.7859" N, 80°16'24.9557" W	Dog Park	RLS sample
41	SB-19	06/21/17	25°42'57.8038" N, 80°16'31.9918" W	Pop Up, Retail Plaza	PCS sample
42	SB-20	06/20/17	25°42'49.2178" N, 80°16'42.1094" W	Performance Area	RLS sample
43	SB-20W40	06/20/17	25°42'49.6238" N, 80°16'42.4864" W	Performance Area	RLS sample
44	SB-20E25	06/20/17	25°42'48.9800" N, 80°16'41.9204" W	Performance Area	RLS sample
45	SB-21	06/21/17	25°42'43.6211" N, 80°16'49.5330" W	Wet Prairie Garden	PCS sample
46	SB-22	06/21/17	25°42'40.0984"N, 80°16'53.5687" W	Birding Area University Road Stn	RLS sample

**TABLE 1: Soil Boring Plan
DERM14 Underline
Amecfw Project#6783-17-2970**

Line#	Sample ID#	Date Sampled	GPS Coordinates	Character Zone	Laboratory Analysis
47	SB-22-W25	06/21/17	25°42'40.3969"N, 80°16'53.6710" W	Birding Area University Road Stn	RLS sample
48	SB-22E25	06/21/17	25°42'39.9607"N, 80°16'53.1919" W	Birding Area University Road Stn	RLS sample
49	SB-23	06/21/17	25°42'4.9217"N, 80°17'36.8329" W	S Miami Hospital Garden	RLS sample
50	SB-23W25	06/21/17	25°42'5.1369"N, 80°17'36.9059" W	S Miami Hospital Garden	RLS sample
51	SB-23E25	06/21/17	25°42'4.8031"N, 80°17'36.6407" W	S Miami Hospital Garden	RLS sample
52	SB-24	06/21/17	25°41'55.7244"N, 80°17'48.7014" W	Wet Prairie Garden	RLS sample
53	SB-24W25	06/21/17	25°41'55.8720"N, 80°17'48.5196" W	Wet Prairie Garden	RLS sample
54	SB-24E25	06/21/17	25°41'55.4596"N, 80°17'48.0570" W	Wet Prairie Garden	RLS sample
56	SB-25	06/21/17	25°41'26.3954"N, 80°18'24.2652" W	Wet Prairie Garden	RLS sample
57	SB-25W25	06/21/17	25°41'26.4897"N, 80°18'24.3662" W	Wet Prairie Garden	RLS sample
58	SB-25E25	06/21/17	25°41'26.1999"N, 80°18'24.1005" W	Wet Prairie Garden	RLS sample

RLS - Rail Line Sample

PCS - Petroleum Contamination Sample

DCS - Drycleaner Contamination Sample

DTPW The Underline
Soil Analytical Results
Amec Foster Wheeler Project#6783-17-2970

TABLE 2: SOIL ANALYTICAL SUMMARY - VOAs and Metals

Sample		OVA	Laboratory Analyses										Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzene	Ethyl-benzene	Toluene	Total Xylenes	MTBE	TRPHs	Arsenic	Cadmium	Chro-mium	Lead	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-1 (0-6")	06/14/2017	0	0.0025 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	7.4	NS	NS	166	
SB-1 (6"-2')	06/14/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	3.4 I	NS	NS	3.2 I	
SB-1 E25 (0-6")	06/14/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	3.0	NS	NS	55.7	
SB-1 E25 (6"-2')	06/14/2017	0	0.0033 U	0.0037 U	0.0035 U	0.0067 U	0.0032 U	NS	40.0	NS	NS	23.1	
SB-1 W25 (0-6")	06/14/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	NS	2.0	NS	NS	14.3	
SB-1 W25 (6"-2')	06/14/2017	0	0.0027 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	2.6	NS	NS	68.3	
SB-2 (0-6")	06/14/2017	0	0.0041 U	0.0045 U	0.0043 U	0.0082 U	0.0040 U	58.5	2.9 I	2.0	23.5	62.1	
SB-2 (6"-2')	06/14/2017	0	0.0029 U	0.0038 I	0.016	0.0057 U	0.0028 U	12.3	25.5	0.16	11.2	19.8	
SB-3 (0-6")	06/14/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	NS	5.6	NS	NS	41.1	
SB-3 (6"-2')	06/14/2017	0	0.0033 U	0.0036 U	0.0035 U	0.0066 U	0.0032 U	NS	55.4	NS	NS	103	
SB-3 E50 (0-6")	06/14/2017	0	0.0035 U	0.0038 U	0.0037 U	0.0070 U	0.0034 U	NS	0.82	NS	NS	20.0	
SB-3 E50 (6"-2')	06/14/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	0.42 I	NS	NS	1.5	
SB-3 W25 (0-6")	06/14/2017	0	0.0029 U	0.0032 U	0.0031 U	0.0059 U	0.0028 U	NS	4.2	NS	NS	79.2	
SB-3 W25 (6"-2')	06/14/2017	0	0.0030 U	0.0033 U	0.0031 U	0.0060 U	0.0029 U	NS	4.4	NS	NS	671	
SB-4 (0-6")	06/20/2017	0	0.0034 U	0.0037 U	0.0035 U	0.0067 U	0.0033 U	NS	4.0	NS	NS	20.9	
SB-4 (6"-2')	06/20/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	11.4	NS	NS	21.4	
SB-4E25 (0-6")	06/20/2017	0	0.0034 U	0.0038 U	0.0036 U	0.0068 U	0.0033 U	NS	3.6	NS	NS	48.3	
SB-4E25 (6"-2')	06/20/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0062 U	0.0030 U	NS	4.8	NS	NS	68.1	
SB-4W25 (0-6")	06/20/2017	0	0.0022 U	0.0024 U	0.0023 U	0.0043 U	0.0021 U	NS	1.9	NS	NS	49.4	
SB-4W25 (6"-2')	06/20/2017	0	0.0024 U	0.0027 U	0.0025 U	0.0048 U	0.0024 U	NS	5.4	NS	NS	33.8	
SB-5 (0-6")	06/20/2017	0	0.0036 U	0.0040 U	0.0038 U	0.0073 U	0.0035 U	6.9 U	3.9	0.26	7.0	66.2	
SB-5 (6"-2')	06/20/2017	0	0.0025 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	9.0 I	3.6	0.73 U	8.2	64.7	
SB-6 (0-6")	06/20/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	2.9 I	5.7	0.53 U	6.6	22.6	
SB-6 (6"-2')	06/20/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0062 U	0.0030 U	8.3 I	4.8	0.63 U	6.5	47.8	
SB-7 (0-6")	06/16/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0062 U	0.0030 U	7.5 U	2.7	0.13	9.4	6.6	
SB-7 (6"-2')	06/16/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	4.5 I	27.2	0.17 I	4.7	60.9	
SB-8 (0-6")	06/14/2017	0	0.0037 U	0.0041 U	0.0039 U	0.0074 U	0.0036 U	NS	4.8	NS	NS	16.1	
SB-8 (6"-2')	06/14/2017	0	0.0024 U	0.0027 U	0.0025 U	0.0048 U	0.0023 U	NS	9.1	NS	NS	4.1	
SB-8 E25 (0-6')	06/14/2017	0	0.0025 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	3.9	NS	NS	20.9	
SB-8 E25 (6"-2')	06/14/2017	0	0.0025 U	0.0028 U	0.0026 U	0.0050 U	0.0024 U	NS	18.8	NS	NS	12.7	
SB-8 E50 (0-6')	06/14/2017	0	0.0015 U	0.0017 U	0.0016 U	0.0031 U	0.0015 U	NS	3.8	NS	NS	21.9	
SB-8 E50 (6"-2')	06/14/2017	0	0.0026 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	21.9	NS	NS	3.6	
SB-9 (0-6")	06/14/2017	0	0.0025 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	8.4	NS	NS	12.4	
SB-9 (6"-2')	06/14/2017	0	0.0021 U	0.0024 U	0.0023 U	0.0043 U	0.0021 U	NS	10.9	NS	NS	0.33 U	
SB-9 E25 (0-6")	06/14/2017	0	0.0032 U	0.0036 U	0.0034 U	0.0065 U	0.0032 U	NS	1.7	NS	NS	9.7	

DTPW The Underline
Soil Analytical Results
Amec Foster Wheeler Project#6783-17-2970

TABLE 2: SOIL ANALYTICAL SUMMARY - VOAs and Metals

Sample		OVA	Laboratory Analyses										Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzene	Ethyl-benzene	Toluene	Total Xylenes	MTBE	TRPHs	Arsenic	Cadmium	Chro-mium	Lead	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-9 E25 (6"-2')	06/14/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	NS	1.6 U	0.16 U	3.3	1.6 U	
SB-9 W25 (0-6")	06/14/2017	0	0.0032 U	0.0036 U	0.0034 U	0.0065 U	0.0032 U	NS	4.1	NS	NS	9.1	
SB-9 W25 (6"-2')	06/14/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	0.31 I	NS	NS	1.5 U	
SB-10 (0-6")	06/15/2017	0	0.0028 U	0.0031 U	0.0030 U	0.0056 U	0.0027 U	5.2 U	3.3	0.19	7.2	73.4	
SB-10 (6"-2')	06/15/2017	0	0.0031 U	0.0034 U	0.0032 U	0.0061 U	0.0030 U	5.2 U	0.98	0.034 U	7.0	5.4	
SB-11 (0-6")	06/15/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	2.4	NS	NS	13.6	
SB-11 (6"-2')	06/15/2017	0	0.0024 U	0.0026 U	0.0025 U	0.0048 U	0.0023 U	NS	3.0	NS	NS	8.4	
SB-11 E25 (0-6")	06/15/2017	0	0.0030 U	0.0033 U	0.0031 U	0.0060 U	0.0029 U	NS	2.8	NS	NS	13.6	
SB-11 E25 (6"-2')	06/15/2017	0	0.0031 U	0.0035 U	0.0033 U	0.0063 U	0.0031 U	NS	0.75 I	NS	NS	1.5	
SB-11 W25 (0-6")	06/15/2017	0	0.0033 U	0.0037 U	0.0035 U	0.0066 U	0.0032 U	NS	2.8	NS	NS	39.2	
SB-11 W25 (6"-2')	06/15/2017	0	0.0027 U	0.0029 U	0.0028 U	0.0054 U	0.0026 U	NS	0.59 I	NS	NS	1.8	
SB-12 (0-6")	06/27/2017	0	0.0021 U	0.0024 U	0.0023 U	0.0043 U	0.0021 U	NS	30.4	NS	NS	75.0	
SB-12 (6"-2')	06/27/2017	0	0.0035 U	0.0038 U	0.0037 U	0.0070 U	0.0034 U	NS	43.6	NS	NS	5.1	
SB-12 E25 (0-6")	06/15/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	9.4	NS	NS	24.0	
SB-12 E25 (6"-2')	06/15/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	23.3	NS	NS	4.1	
SB-12 W25 (0-6")	06/15/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	NS	18.6	NS	NS	38.3	
SB-12 W25 (6"-2')	06/15/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	NS	76.1	NS	NS	3.0	
SB-13 (0-6")	06/15/2017	0	0.0036 U	0.0039 U	0.0038 U	0.0072 U	0.0035 U	6.8 U	1.2	0.12	8.5	8.3	
SB-13 (6"-2')	06/15/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0063 U	0.0030 U	20.4	1.7 U	0.17 U	3.9	1.7 U	
SB-14 (0-6")	06/27/2017	0	0.0027 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	2.6	NS	NS	43.8	
SB-14 (6"-2')	06/27/2017	0	0.0028 U	0.0031 U	0.0029 U	0.0056 U	0.0027 U	NS	0.27 U	NS	NS	0.27 U	
SB-14 E25 (0-6')	06/15/2017	0	0.0036 U	0.0040 U	0.0038 U	0.0072 U	0.0035 U	NS	3.4	NS	NS	100	
SB-14 E25 (6"-2')	06/15/2017	0	0.0041 U	0.0045 U	0.0043 U	0.0082 U	0.0040 U	NS	56.8	NS	NS	533	
SB-14 W25 (0-6")	06/15/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	NS	0.74	NS	NS	13.9	
SB-14 W25 (6-2)	06/15/2017	0	0.0063 U	0.0069 U	0.0066 U	0.013 U	0.0061 U	NS	3.1 U	NS	NS	5.5 I	
SB-15 (0-6")	06/16/2017	0	0.0024 U	0.0027 U	0.0025 U	0.0048 U	0.0024 U	107	19.5	0.62	20.1	120	
SB-15 (6"-2')	06/16/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	141	8.5	0.83	28.4	162	
SB-16 (0-6")	06/27/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0062 U	0.0030 U	NS	18.9	NS	NS	15.2	
SB-16 (6"-2')	06/27/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0052 U	0.0025 U	NS	35.8	NS	NS	5.7	
SB-16 E25 (0-6")	06/16/2017	0	0.0033 U	0.0036 U	0.0035 U	0.0066 U	0.0032 U	NS	5.4	NS	NS	20.7	
SB-16 E25 (6"-2')	06/16/2017	0	0.0028 U	0.0031 U	0.0029 U	0.0056 U	0.0027 U	NS	18.2	NS	NS	56.3	
SB-16 E50 (0-6")	06/16/2017	0	0.0028 U	0.0031 U	0.0030 U	0.0057 U	0.0028 U	NS	7.1	NS	NS	26.4	
SB-16 E50 (6"-2')	06/16/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	148	NS	NS	236	
SB-17 (0-6")	06/27/2017	0	0.0028 U	0.0031 U	0.0030 U	0.0057 U	0.0028 U	NS	7.1	NS	NS	43.3	
SB-17 (6"-2')	06/27/2017	0	0.0023 U	0.0026 U	0.0024 U	0.0046 U	0.0023 U	NS	14.1	NS	NS	81.5	

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TABLE 2: SOIL ANALYTICAL SUMMARY - VOAs and Metals

Sample		OVA	Laboratory Analyses										Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzene	Ethyl-benzene	Toluene	Total Xylenes	MTBE	TRPHs	Arsenic	Cadmium	Chro-mium	Lead	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-17 E25 (0-6")	06/16/2017	0	0.0039 U	0.0043 U	0.0041 U	0.0079 U	0.0038 U	NS	5.4	NS	NS	30.9	
SB-17 E25 (6"-2')	06/16/2017	0	0.0032 U	0.0036 U	0.0034 U	0.0065 U	0.0032 U	NS	4.7	NS	NS	122	
SB-17 W50 (0-6")	06/16/2017	0	0.0021 U	0.0024 U	0.0023 U	0.0043 U	0.0021 U	NS	18.0	NS	NS	726	
SB-17 W50 (6"-2')	06/16/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	NS	10.0	NS	NS	51.1	
SB-18 (0-6")	06/20/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	NS	12.4	NS	NS	23.8	
SB-18 (6"-2')	06/20/2017	0	0.0026 U	0.0028 U	0.0027 U	0.0052 U	0.0025 U	NS	7.2 U	NS	NS	14.9	
SB-18E25 (0-6")	06/20/2017	0	0.0031 U	0.0034 U	0.0032 U	0.0061 U	0.0030 U	NS	7.4 U	NS	NS	335	
SB-18E25 (6"-2')	06/20/2017	0	0.0025 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	10.9	NS	NS	69.0	
SB-18W25 (0-6")	06/20/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0062 U	0.0030 U	NS	7.3	NS	NS	63.3	
SB-18W25 (6"-2')	06/20/2017	0	0.0023 U	0.0025 U	0.0024 U	0.0045 U	0.0022 U	NS	4.2	NS	NS	6.6	
SB-19 (0-6")	06/21/2017	0	0.0023 U	0.0026 U	0.0024 U	0.0047 U	0.0023 U	36.2	5.0	0.33	11.2	18.0	
SB-19 (6"-2')	06/21/2017	0	0.0023 U	0.0025 U	0.0024 U	0.0045 U	0.0022 U	3.5 I	5.0	0.32	12.3	16.1	
SB-20 (0-6")	06/20/2017	0	0.0031 U	0.0034 U	0.0033 U	0.0063 U	0.0030 U	NS	0.98	NS	NS	2.8 I	
SB-20 (6"-2')	06/20/2017	0	0.0023 U	0.0026 U	0.0025 U	0.0047 U	0.0023 U	NS	2.5	NS	NS	5.7	
SB-20E25 (0-6")	06/20/2017	0	0.0024 U	0.0026 U	0.0025 U	0.0047 U	0.0023 U	NS	0.44 I	NS	NS	3.2 U	
SB-20E25 (6"-2')	06/20/2017	0	0.0035 U	0.0038 U	0.0036 U	0.0069 U	0.0034 U	NS	1.0	NS	NS	5.4 I	
SB-20W40 (0-6")	06/20/2017	0	0.0025 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	0.43 I	NS	NS	2.6 U	
SB-20W40 (6"-2')	06/20/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	NS	1.2	NS	NS	3.1	
SB-21 (0-6")	06/21/2017	0	0.0024 U	0.0026 U	0.0025 U	0.0047 U	0.0023 U	12.6	1.1	0.21	6.6	12.6	
SB-21 (6"-2')	06/21/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	16.1	2.9	0.19	8.0	48.9	
SB-22 (0-6")	06/21/2017	0	0.0023 U	0.0025 U	0.0024 U	0.0046 U	0.0022 U	NS	0.42 I	NS	NS	2.7 U	
SB-22 (6"-2')	06/21/2017	0	0.0024 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	18.7	NS	NS	50.4	
SB-22 E25 (0-6")	06/21/2017	0	0.0022 U	0.0024 U	0.0023 U	0.0044 U	0.0021 U	NS	0.72	NS	NS	2.7 U	
SB-22 E25 (6"-2')	06/21/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0054 U	0.0026 U	NS	4.6	NS	NS	34.3	
SB-22 W25 (0-6")	06/21/2017	0	0.0029 U	0.0032 U	0.0031 U	0.0058 U	0.0028 U	NS	0.65	NS	NS	2.8 U	
SB-22 W25 (6"-2')	06/21/2017	0	0.0022 U	0.0024 U	0.0023 U	0.0044 U	0.0021 U	NS	4.0	NS	NS	38.1	
SB-23 (0-6")	06/21/2017	0	0.0028 U	0.0031 U	0.0030 U	0.0056 U	0.0027 U	NS	23.7	NS	NS	417	
SB-23 (6"-2')	06/21/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	34.5	NS	NS	339	
SB-23 E25 (0-6")	06/21/2017	0	0.0026 U	0.0029 U	0.0028 U	0.0053 U	0.0026 U	NS	6.1	NS	NS	1960	
SB-23 E25 (6"-2')	06/21/2017	0	0.0030 U	0.0033 U	0.0032 U	0.0060 U	0.0029 U	NS	4.9	NS	NS	84.7	
SB-23 W25 (0-6")	06/21/2017	0	0.0026 U	0.0028 U	0.0027 U	0.0051 U	0.0025 U	NS	2.3	NS	NS	16.4	
SB-23 W25 (6"-2')	06/21/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	NS	88.3	NS	NS	6.6	
SB-24 (0-6")	06/21/2017	0	0.0026 U	0.0029 U	0.0027 U	0.0052 U	0.0025 U	NS	28.8	NS	NS	114	
SB-24 (6"-2')	06/21/2017	0	0.0027 U	0.0030 U	0.0028 U	0.0054 U	0.0026 U	NS	16.9	NS	NS	84.0	
SB-24 E25 (0-6")	06/21/2017	0	0.0022 U	0.0024 U	0.0023 U	0.0044 U	0.0021 U	NS	14.0	NS	NS	45.1	

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TABLE 2: SOIL ANALYTICAL SUMMARY - VOAs and Metals

Sample		OVA	Laboratory Analyses										Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzene	Ethyl-benzene	Toluene	Total Xylenes	MTBE	TRPHs	Arsenic	Cadmium	Chro-mium	Lead	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-24 E25 (6'-2')	06/21/2017	0	0.0025 U	0.0027 U	0.0026 U	0.0049 U	0.0024 U	NS	22.5	NS	NS	94.5	
SB-24 W25 (0-6")	06/21/2017	0	0.0027 U	0.0030 U	0.0029 U	0.0055 U	0.0027 U	NS	19.3	NS	NS	83.9	
SB-24 W25 (6"-2')	06/21/2017	0	0.0028 U	0.0031 U	0.0029 U	0.0056 U	0.0027 U	NS	10.1	NS	NS	135	
SB-25 (0-6")	06/21/2017	0	0.0029 U	0.0032 U	0.0030 U	0.0058 U	0.0028 U	NS	3.0	NS	NS	8.7	
SB-25 (6'-2')	06/21/2017	0	0.0030 U	0.0033 U	0.0032 U	0.0061 U	0.0029 U	NS	36.5	NS	NS	15.2	
SB-25 E25 (0-6")	06/21/2017	0	0.0032 U	0.0035 U	0.0034 U	0.0064 U	0.0031 U	NS	3.3	NS	NS	4.1	
SB-25 E25 (6'-2')	06/21/2017	0	0.0031 U	0.0034 U	0.0032 U	0.0062 U	0.0030 U	NS	47.4	NS	NS	31.3	
SB-25 W25 (0-6")	06/21/2017	0	0.0033 U	0.0037 U	0.0035 U	0.0066 U	0.0032 U	NS	2.6	NS	NS	7.9	
SB-25 W25 (6"-2')	06/21/2017	0	0.0024 U	0.0026 U	0.0025 U	0.0047 U	0.0023 U	NS	2.9	NS	NS	9.5	
Leachability Based on Groundwater Criteria (mg/kg)			0.007	0.6	0.5	0.2	0.09	340	*	7.5	38	*	
Direct Exposure Residential (mg/kg)			1.2	1500	7500	130	4400	460	2.1	82	210	400	
Direct Exposure Commercial/Industrial (mg/kg)			1.7	9200	60000	700	24000	2700	12	1700	470	1400	

Notes:

NA = Not Available

NS = Not Sampled

* = Leachability value may be determined using TCLP

- Exceeds Leachability Based on Groundwater Criteria Limits
- Exceeds Direct Exposure Residential Limits
- Exceeds Direct Exposure Commercial/Industrial Limits

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TABLE 3: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Sample		OVA	Laboratory Analyses											Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthra-cene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-1 (0-6")	06/14/2017	0	0.012 U	0.013 U	0.015 U	0.016 I	0.11	0.14	0.52	0.88	0.018 I	0.18	1.2	
SB-1 (6"-2')	06/14/2017	0	0.037 U	0.040 U	0.046 U	0.042 U	0.035 U	0.035 U	0.041 U	0.083 I	0.051 U	0.043 U	0.12	
SB-1 E25 (0-6")	06/14/2017	0	0.012 U	0.014 U	0.016 U	0.014 U	0.014 I	0.027 I	0.085	0.18	0.017 U	0.060	0.21	
SB-1 E25 (6"-2')	06/14/2017	0	0.043 U	0.047 U	0.053 U	0.048 U	0.041 U	0.040 U	0.047 U	0.043 U	0.059 U	0.050 U	0.066 U	
SB-1 W25 (0-6")	06/14/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.012 U	0.012 U	0.014 U	0.019 I	0.018 U	0.015 U	0.020 U	
SB-1 W25 (6"-2')	06/14/2017	0	0.040 U	0.044 U	0.050 U	0.045 U	0.039 U	0.038 U	0.045 U	0.10 I	0.056 U	0.050 I	0.086 I	
SB-2 (0-6")	06/14/2017	0	0.039 U	0.043 U	0.049 U	0.044 U	0.077 I	0.078 I	0.41	0.70	0.055 U	0.15	0.69	
SB-2 (6"-2')	06/14/2017	0	0.036 U	0.039 U	0.045 U	0.041 U	0.058 I	0.039 I	0.11	0.16	0.050 U	0.042 U	0.16	
SB-3 (0-6")	06/14/2017	0	0.026 I	0.027 I	0.033 I	0.013 U	0.050	0.044	0.067	0.093	0.016 U	0.033 I	0.098	
SB-3 (6"-2')	06/14/2017	0	0.10	0.11	0.13	0.013 U	0.14	0.14	0.21	0.26	0.016 U	0.11	0.29	
SB-3 E50 (0-6")	06/14/2017	0	0.028 U	0.031 U	0.035 U	0.032 U	0.027 U	0.027 I	0.11	0.23	0.039 U	0.13	0.17	
SB-3 E50 (6"-2')	06/14/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.012 U	0.011 U	0.016 U	0.013 U	0.017 U	
SB-3 W25 (0-6")	06/14/2017	0	0.012 U	0.013 U	0.015 U	0.018 I	0.014 I	0.066	0.33	0.84	0.016 U	0.18	0.74	
SB-3 W25 (6"-2')	06/14/2017	0	0.011 U	0.013 U	0.014 U	0.013 U	0.014 I	0.014 I	0.036	0.053	0.016 U	0.028 I	0.052	
SB-4 (0-6")	06/20/2017	0	0.012 U	0.014 U	0.016 U	0.014 U	0.014 I	0.012 I	0.051	0.078	0.017 U	0.023 I	0.098	
SB-4 (6"-2')	06/20/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 I	0.012 U	0.025 I	0.043	0.017 U	0.014 U	0.053	
SB-4E25 (0-6")	06/20/2017	0	0.032 U	0.035 U	0.040 U	0.036 U	0.030 U	0.030 U	0.072 I	0.11	0.044 U	0.037 U	0.10	
SB-4E25 (6"-2')	06/20/2017	0	0.027 U	0.030 U	0.034 U	0.031 U	0.026 U	0.026 U	0.064 I	0.16	0.038 U	0.086	0.18	
SB-4W25 (0-6")	06/20/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.029 I	0.081	0.24	0.017 U	0.094	0.20	
SB-4W25 (6"-2')	06/20/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.011 U	0.041	0.10	0.24	0.016 U	0.050	0.25	
SB-5 (0-6")	06/20/2017	0	0.029 U	0.031 U	0.036 U	0.032 U	0.028 U	0.027 U	0.032 U	0.041 I	0.040 U	0.033 U	0.045 U	
SB-5 (6"-2')	06/20/2017	0	0.028 U	0.030 U	0.035 U	0.031 U	0.027 U	0.026 U	0.031 U	0.028 I	0.039 U	0.032 U	0.043 U	
SB-6 (0-6")	06/20/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.022 I	0.025 I	0.064	0.21	0.017 U	0.063	0.19	
SB-6 (6"-2')	06/20/2017	0	0.027 U	0.030 U	0.034 U	0.031 U	0.026 U	0.026 U	0.030 U	0.032 I	0.038 U	0.032 U	0.043 U	
SB-7 (0-6")	06/16/2017	0	0.038 U	0.042 U	0.048 U	0.044 U	0.037 U	0.036 U	0.043 U	0.039 U	0.054 U	0.045 U	0.060 U	
SB-7 (6"-2')	06/16/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.036 I	0.032 I	0.042	0.089	0.018 U	0.020 I	0.083	
SB-8 (0-6")	06/14/2017	0	0.032 U	0.035 U	0.040 U	0.036 U	0.030 U	0.067 I	0.094 I	0.15	0.044 U	0.037 U	0.17	
SB-8 (6"-2')	06/14/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.032 I	0.026 I	0.041	0.046	0.017 U	0.014 U	0.056	
SB-8 E25 (0-6')	06/14/2017	0	0.013 I	0.013 U	0.015 U	0.014 U	0.084	0.085	0.12	0.36	0.017 U	0.11	0.30	
SB-8 E25 (6"-2')	06/14/2017	0	0.065	0.017 I	0.035 I	0.030 I	0.62	0.58	0.89	1.2	0.039	0.13	1.4	
SB-8 E50 (0-6')	06/14/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.11	0.094	0.13	0.16	0.017 U	0.020 I	0.19	
SB-8 E50 (6"-2')	06/14/2017	0	0.027 U	0.029 U	0.033 U	0.030 U	0.16	0.14	0.19	0.21	0.037 U	0.031 U	0.25	
SB-9 (0-6")	06/14/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.042	0.040	0.053	0.071	0.017 U	0.016 I	0.073	
SB-9 (6"-2')	06/14/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.011 U	0.013 U	0.012 U	0.017 U	0.014 U	0.019 U	
SB-9 E25 (0-6")	06/14/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.012 U	0.012 U	0.027 I	0.033 I	0.018 U	0.015 U	0.031 I	

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TABLE 3: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Sample		OVA	Laboratory Analyses											Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthra-cene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-9 E25 (6"-2')	06/14/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.012 U	0.014 U	0.012 U	0.017 U	0.014 U	0.019 U	
SB-9 W25 (0-6")	06/14/2017	0	0.014 U	0.015 U	0.017 U	0.016 U	0.040 I	0.032 I	0.053	0.066	0.019 U	0.016 U	0.071	
SB-9 W25 (6"-2')	06/14/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.012 U	0.012 U	0.014 U	0.013 U	0.018 U	0.015 U	0.020 U	
SB-10 (0-6")	06/15/2017	0	0.013 U	0.015 U	0.017 U	0.015 U	0.016 I	0.013 U	0.055	0.061	0.019 U	0.016 U	0.071	
SB-10 (6"-2')	06/15/2017	0	0.013 U	0.014 U	0.016 U	0.015 U	0.012 U	0.012 U	0.014 U	0.013 U	0.018 U	0.015 U	0.020 U	
SB-11 (0-6")	06/15/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.011 U	0.035 I	0.064	0.017 U	0.014 U	0.065	
SB-11 (6"-2')	06/15/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.011 U	0.013 U	0.018 I	0.017 U	0.014 U	0.019 U	
SB-11 E25 (0-6")	06/15/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.011 U	0.038	0.056	0.017 U	0.017 I	0.055	
SB-11 E25 (6"-2')	06/15/2017	0	0.015 U	0.017 U	0.019 U	0.017 U	0.015 U	0.015 U	0.017 U	0.016 U	0.021 U	0.018 U	0.024 U	
SB-11 W25 (0-6")	06/15/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.049	0.29	0.74	0.017 U	0.19	0.66	
SB-11 W25 (6"-2')	06/15/2017	0	0.012 U	0.013 U	0.014 U	0.013 U	0.011 U	0.011 U	0.013 U	0.012 U	0.016 U	0.013 U	0.018 U	
SB-12 (0-6")	06/27/2017	0	0.10	0.085	0.11	0.027 U	0.37	0.23	0.63	0.86	0.033 U	0.14	0.99	
SB-12 (6"-2')	06/27/2017	0	0.023 U	0.025 U	0.028 U	0.026 U	0.022 U	0.021 U	0.025 U	0.023 U	0.031 U	0.026 U	0.035 U	
SB-12 E25 (0-6")	06/15/2017	0	0.019 I	0.023 I	0.023 I	0.013 U	0.042	0.033 I	0.19	0.30	0.017 U	0.070	0.31	
SB-12 E25 (6"-2')	06/15/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.022 I	0.011 I	0.044	0.064	0.016 U	0.014 U	0.072	
SB-12 W25 (0-6")	06/15/2017	0	0.017 I	0.020 I	0.019 I	0.014 U	0.020 I	0.015 I	0.082	0.16	0.018 U	0.044	0.15	
SB-12 W25 (6"-2')	06/15/2017	0	0.019 I	0.030 I	0.036	0.013 U	0.021 I	0.013 I	0.042	0.025 I	0.016 U	0.023 I	0.038	
SB-13 (0-6")	06/15/2017	0	0.017 U	0.019 U	0.022 U	0.020 U	0.017 U	0.028 I	0.074	0.15	0.024 U	0.13	0.12	
SB-13 (6"-2')	06/15/2017	0	0.026 I	0.019 I	0.019 I	0.10	0.028 I	0.21	0.43	0.96	0.077	0.90	0.86	
SB-14 (0-6")	06/27/2017	0	0.022 U	0.025 U	0.028 U	0.025 U	0.047 I	0.035 I	0.095	0.10	0.031 U	0.026 U	0.11	
SB-14 (6"-2')	06/27/2017	0	0.023 U	0.025 U	0.029 U	0.026 U	0.022 U	0.022 U	0.026 U	0.023 U	0.032 U	0.027 U	0.036 U	
SB-14 E25 (0-6")	06/15/2017	0	0.015 U	0.016 U	0.018 U	0.016 U	0.014 U	0.017 I	0.15	0.18	0.020 U	0.046	0.15	
SB-14 E25 (6"-2')	06/15/2017	0	0.052 I	0.046 I	0.046 I	0.019 U	0.68	0.28	1.3	2.2	0.023 U	0.13	2.8	
SB-14 W25 (0-6")	06/15/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.019 I	0.015 I	0.038	0.071	0.017 U	0.014 U	0.081	
SB-14 W25 (6"-2')	06/15/2017	0	0.026 U	0.028 U	0.032 U	0.029 U	0.025 U	0.024 U	0.029 U	0.026 U	0.036 U	0.030 U	0.040 U	
SB-15 (0-6")	06/16/2017	0	0.016 I	0.014 U	0.016 U	0.016 I	1.1	0.75	1.0	2.6	0.034 I	0.079	2.9	
SB-15 (6"-2')	06/16/2017	0	0.014 I	0.013 U	0.020 I	0.013 U	0.40	0.30	0.35	0.67	0.016 U	0.045	0.90	
SB-16 (0-6")	06/27/2017	0	0.024 U	0.026 U	0.029 U	0.027 U	0.065 I	0.038 I	0.074	0.061 I	0.033 U	0.028 U	0.066 I	
SB-16 (6"-2')	06/27/2017	0	0.022 U	0.024 U	0.027 U	0.025 U	0.021 U	0.021 U	0.028 I	0.035 I	0.030 U	0.025 U	0.034 U	
SB-16 E25 (0-6")	06/16/2017	0	0.014 U	0.015 U	0.017 U	0.016 U	0.077	0.051	0.063	0.23	0.019 U	0.025 I	0.25	
SB-16 E25 (6"-2')	06/16/2017	0	0.038 U	0.042 U	0.048 U	0.044 U	0.26	0.12	0.40	0.73	0.054 U	0.099 I	0.71	
SB-16 E50 (0-6")	06/16/2017	0	0.037 I	0.014 U	0.016 U	0.014 U	0.22	0.17	0.25	0.52	0.017 U	0.10	0.44	
SB-16 E50 (6"-2')	06/16/2017	0	0.84	0.13	0.31	0.087	1.1	1.2	1.2	3.1	0.11	1.0	2.9	
SB-17 (0-6")	06/27/2017	0	0.031 U	0.034 U	0.039 U	0.036 U	0.033 I	0.030 U	0.068 I	0.059 I	0.044 U	0.037 U	0.071 I	
SB-17 (6"-2')	06/27/2017	0	0.054 U	0.059 U	0.068 U	0.061 U	0.076 I	0.055 I	0.12 I	0.17	0.075 U	0.063 U	0.18	

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TABLE 3: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Sample		OVA	Laboratory Analyses											Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthra-cene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-17 E25 (0-6")	06/16/2017	0	0.024 U	0.026 U	0.030 U	0.027 U	0.023 U	0.023 U	0.027 U	0.024 U	0.033 U	0.028 U	0.037 U	
SB-17 E25 (6"-2')	06/16/2017	0	0.043 U	0.047 U	0.054 U	0.049 U	0.11 I	0.13 I	0.11 I	0.14	0.060 U	0.051 U	0.13 I	
SB-17 W50 (0-6")	06/16/2017	0	0.058 U	0.063 U	0.073 U	0.065 U	0.23	0.18	0.16 I	0.22	0.081 U	0.068 U	0.22	
SB-17 W50 (6"-2')	06/16/2017	0	0.017 I	0.018 I	0.020 I	0.013 U	0.051	0.052	0.057	0.086	0.016 U	0.034 I	0.080	
SB-18 (0-6")	06/20/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.019 I	0.011 U	0.016 U	0.013 U	0.018 U	
SB-18 (6"-2')	06/20/2017	0	0.028 U	0.031 U	0.036 U	0.032 U	0.027 U	0.027 U	0.032 U	0.029 U	0.040 U	0.033 U	0.044 U	
SB-18E25 (0-6")	06/20/2017	0	0.032 U	0.034 U	0.039 U	0.036 U	0.030 U	0.030 U	0.039 I	0.13	0.044 U	0.046 I	0.13	
SB-18E25 (6"-2')	06/20/2017	0	0.026 U	0.029 U	0.033 U	0.030 U	0.025 U	0.025 U	0.029 U	0.026 U	0.037 U	0.031 U	0.041 U	
SB-18W25 (0-6")	06/20/2017	0	0.014 U	0.015 U	0.018 U	0.016 U	0.014 U	0.013 U	0.062	0.088	0.020 U	0.016 U	0.091	
SB-18W25 (6"-2')	06/20/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.011 U	0.014 U	0.012 U	0.017 U	0.014 U	0.019 U	
SB-19 (0-6")	06/21/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.011 U	0.011 U	0.030 I	0.058	0.016 U	0.015 I	0.056	
SB-19 (6"-2')	06/21/2017	0	0.034 I	0.036 I	0.039	0.013 U	0.011 U	0.011 U	0.097	0.085	0.017 U	0.022 I	0.087	
SB-20 (0-6")	06/20/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.012 U	0.011 U	0.016 U	0.013 U	0.017 U	
SB-20 (6"-2')	06/20/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.013 U	0.011 U	0.016 U	0.013 U	0.018 U	
SB-20E25 (0-6")	06/20/2017	0	0.011 U	0.012 U	0.014 U	0.055	0.011 U	0.10	0.050	0.36	0.067	0.34	0.27	
SB-20E25 (6"-2')	06/20/2017	0	0.032 U	0.035 U	0.040 U	0.036 U	0.030 U	0.030 U	0.035 U	0.032 U	0.044 U	0.037 U	0.049 U	
SB-20W40 (0-6")	06/20/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.011 U	0.011 U	0.013 U	0.012 U	0.016 U	0.014 U	0.018 U	
SB-20W40 (6"-2')	06/20/2017	0	0.059 U	0.064 U	0.074 U	0.067 U	0.057 U	0.28	0.70	3.0	0.13 I	1.5	1.9	
SB-21 (0-6")	06/21/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.011 U	0.011 U	0.060	0.073	0.016 U	0.023 I	0.059	
SB-21 (6"-2')	06/21/2017	0	0.019 I	0.017 I	0.020 I	0.014 U	0.012 U	0.012 U	0.036 I	0.066	0.017 U	0.017 I	0.060	
SB-22 (0-6")	06/21/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.013 U	0.012 U	0.016 U	0.013 U	0.018 U	
SB-22 (6"-2')	06/21/2017	0	0.011 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.012 U	0.011 U	0.015 U	0.013 U	0.017 U	
SB-22 E25 (0-6")	06/21/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.012 U	0.011 U	0.016 U	0.013 U	0.017 U	
SB-22 E25 (6"-2')	06/21/2017	0	0.012 U	0.017 I	0.015 U	0.014 U	0.012 U	0.011 U	0.023 I	0.035 I	0.017 U	0.019 I	0.045	
SB-22 W25 (0-6")	06/21/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.012 U	0.012 U	0.014 U	0.013 U	0.018 U	0.015 U	0.020 U	
SB-22 W25 (6"-2')	06/21/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.011 U	0.011 U	0.013 I	0.045	0.016 U	0.013 U	0.036	
SB-23 (0-6")	06/21/2017	0	0.014 U	0.015 U	0.017 U	0.015 U	0.031 I	0.022 I	0.088	0.17	0.019 U	0.031 I	0.18	
SB-23 (6"-2')	06/21/2017	0	0.026 U	0.029 U	0.033 U	0.030 U	0.039 I	0.027 I	0.14	0.43	0.037 U	0.043 I	0.40	
SB-23 E25 (0-6")	06/21/2017	0	0.013 U	0.014 U	0.017 U	0.015 U	0.015 I	0.031 I	0.32	0.59	0.018 U	0.14	0.47	
SB-23 E25 (6"-2')	06/21/2017	0	0.014 U	0.015 U	0.017 U	0.016 U	0.013 U	0.013 U	0.017 I	0.021 I	0.019 U	0.016 U	0.022 U	
SB-23 W25 (0-6")	06/21/2017	0	0.012 U	0.014 U	0.016 U	0.014 U	0.012 U	0.012 U	0.014 U	0.025 I	0.017 U	0.014 U	0.023 I	
SB-23 W25 (6"-2')	06/21/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.011 U	0.018 I	0.035 I	0.11	0.016 U	0.076	0.078	
SB-24 (0-6")	06/21/2017	0	0.022 I	0.019 I	0.028 I	0.012 U	0.15	0.10	0.37	0.53	0.015 U	0.069	0.56	
SB-24 (6"-2')	06/21/2017	0	0.011 U	0.012 U	0.014 U	0.013 U	0.076	0.039	0.13	0.19	0.016 U	0.013 U	0.25	
SB-24 E25 (0-6")	06/21/2017	0	0.012 U	0.013 U	0.015 U	0.013 U	0.044	0.024 I	0.075	0.081	0.016 U	0.014 U	0.10	

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TABLE 3: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs

Sample		OVA	Laboratory Analyses											Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthra-cene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-24 E25 (6"-2')	06/21/2017	0	0.021 I	0.016 I	0.023 I	0.014 U	0.058	0.035 I	0.11	0.16	0.017 U	0.025 I	0.20	
SB-24 W25 (0-6")	06/21/2017	0	0.013 U	0.014 U	0.017 U	0.015 U	0.13	0.095	0.40	0.62	0.018 U	0.099	0.70	
SB-24 W25 (6"-2')	06/21/2017	0	0.025 U	0.028 U	0.032 U	0.029 U	0.37	0.14	0.86	2.0	0.035 U	0.053 I	2.1	
SB-25 (0-6")	06/21/2017	0	0.013 U	0.014 U	0.016 U	0.014 U	0.012 U	0.012 U	0.031 I	0.046	0.018 U	0.015 U	0.040	
SB-25 (6"-2')	06/21/2017	0	0.028 U	0.031 U	0.036 U	0.032 U	0.031 I	0.027 U	0.078 I	0.12	0.040 U	0.033 U	0.12	
SB-25 E25 (0-6")	06/21/2017	0	0.026 U	0.029 U	0.033 U	0.030 U	0.025 U	0.025 U	0.029 U	0.045 I	0.037 U	0.031 U	0.041 U	
SB-25 E25 (6"-2')	06/21/2017	0	0.033 U	0.036 U	0.041 U	0.037 U	0.31	0.13	0.58	2.2	0.046 U	0.039 I	2.0	
SB-25 W25 (0-6")	06/21/2017	0	0.012 U	0.013 U	0.015 U	0.014 U	0.012 U	0.012 U	0.043	0.092	0.017 U	0.039	0.078	
SB-25 W25 (6"-2')	06/21/2017	0	0.023 U	0.025 U	0.029 U	0.026 U	0.022 U	0.022 U	0.036 I	0.066 I	0.032 U	0.027 U	0.065 I	
Leachability Based on Groundwater Criteria (mg/kg)			1.2	3.1	8.5	2.1	27	2500	32000	1200	160	250	880	
Direct Exposure Residential (mg/kg)			55	200	210	2400	1800	21000	2500	3200	2600	2200	2400	
Direct Exposure Commercial/Industrial (mg/kg)			300	1800	2100	20000	20000	300000	52000	59000	33000	36000	45000	

Notes:

NA = Not Available

NS = Not Sampled

Exceeds Leachability Based on Groundwater Criteria Limits

Exceeds Direct Exposure Residential Limits

Exceeds Direct Exposure Commercial/Industrial Limits

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TABLE 3A: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs

Sample		OVA	Laboratory Analyses								Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chrysene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene	Benzo (a) pyrene equivalent	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-1 (0-6")	06/14/2017	0	0.74	0.66	1.1	0.41	0.68	0.11	0.43	1.1	
SB-1 (6"-2')	06/14/2017	0	0.013 U	0.048 I	0.086 U	0.025 U	0.041 I	0.057 U	0.057 U	0.047	
SB-1 E25 (0-6")	06/14/2017	0	0.12	0.12	0.16	0.11	0.13	0.021 I	0.066	0.18	
SB-1 E25 (6"-2')	06/14/2017	0	0.031 I	0.048 I	0.099 U	0.039 I	0.052 I	0.066 U	0.066 U	0.077	
SB-1 W25 (0-6")	06/14/2017	0	0.013 I	0.013 I	0.030 U	0.011 I	0.017 I	0.020 U	0.020 U	0.027	
SB-1 W25 (6"-2')	06/14/2017	0	0.050 I	0.059 I	0.093 U	0.037 I	0.064 I	0.062 U	0.062 U	0.095	
SB-2 (0-6")	06/14/2017	0	0.49	0.38	1.1	0.026 U	0.56	0.095 I	0.33	0.77	
SB-2 (6"-2')	06/14/2017	0	0.13	0.11 I	0.22	0.12	0.17	0.056 U	0.083 I	0.20	
SB-3 (0-6")	06/14/2017	0	0.074	0.069	0.13	0.052	0.092	0.018 U	0.053	0.11	
SB-3 (6"-2')	06/14/2017	0	0.22	0.19	0.39	0.18	0.25	0.053	0.15	0.35	
SB-3 E50 (0-6")	06/14/2017	0	0.12	0.11	0.15	0.10	0.13	0.044 U	0.077 I	0.18	
SB-3 E50 (6"-2')	06/14/2017	0	0.0040 U	0.010 U	0.026 U	0.0075 U	0.012 U	0.017 U	0.017 U	0.013 U	
SB-3 W25 (0-6")	06/14/2017	0	0.57	0.56	0.76	0.27	0.51	0.11	0.29	0.84	
SB-3 W25 (6"-2')	06/14/2017	0	0.041	0.048	0.052	0.028 I	0.034 I	0.018 U	0.028 I	0.063	
SB-4 (0-6")	06/20/2017	0	0.061	0.051	0.098	0.039	0.071	0.019 U	0.034 I	0.089	
SB-4 (6"-2')	06/20/2017	0	0.041	0.036 I	0.060	0.041	0.039	0.019 U	0.022 I	0.063	
SB-4E25 (0-6")	06/20/2017	0	0.085 I	0.10	0.092 I	0.076 I	0.070 I	0.049 U	0.057 I	0.14	
SB-4E25 (6"-2')	06/20/2017	0	0.094	0.13	0.15	0.047 I	0.074 I	0.042 U	0.052 I	0.15	
SB-4W25 (0-6")	06/20/2017	0	0.11	0.14	0.15	0.079	0.10	0.019 U	0.066	0.16	
SB-4W25 (6"-2')	06/20/2017	0	0.14	0.17	0.18	0.12	0.11	0.032 I	0.081	0.22	
SB-5 (0-6")	06/20/2017	0	0.029 I	0.030 I	0.066 U	0.026 I	0.033 I	0.045 U	0.045 U	0.060	
SB-5 (6"-2')	06/20/2017	0	0.017 I	0.025 U	0.065 U	0.019 I	0.031 U	0.043 U	0.043 U	0.045	
SB-6 (0-6")	06/20/2017	0	0.10	0.11	0.20	0.0082 U	0.12	0.019 U	0.058	0.15	
SB-6 (6"-2')	06/20/2017	0	0.019 I	0.024 U	0.064 U	0.021 I	0.030 U	0.043 U	0.043 U	0.047	
SB-7 (0-6")	06/16/2017	0	0.019 I	0.034 U	0.090 U	0.026 U	0.042 U	0.060 U	0.060 U	0.058	
SB-7 (6"-2')	06/16/2017	0	0.072	0.11	0.12	0.056	0.085	0.020 U	0.036 I	0.11	
SB-8 (0-6")	06/14/2017	0	0.11	0.15	0.20	0.082 I	0.10	0.049 U	0.075 I	0.18	
SB-8 (6"-2')	06/14/2017	0	0.056	0.049	0.085	0.039	0.044	0.019 U	0.035 I	0.083	
SB-8 E25 (0-6")	06/14/2017	0	0.15	0.13	0.29	0.13	0.24	0.038	0.098	0.24	
SB-8 E25 (6"-2')	06/14/2017	0	1.4	1.6	2.6	1.2	1.3	0.34	0.89	2.3	
SB-8 E50 (0-6")	06/14/2017	0	0.18	0.14	0.29	0.12	0.12	0.040	0.11	0.28	
SB-8 E50 (6"-2')	06/14/2017	0	0.29	0.26	0.45	0.21	0.19	0.062 I	0.17	0.44	
SB-9 (0-6")	06/14/2017	0	0.068	0.058	0.13	0.051	0.058	0.019 U	0.043	0.10	
SB-9 (6"-2')	06/14/2017	0	0.0044 U	0.011 U	0.028 U	0.0081 U	0.013 U	0.019 U	0.019 U	0.015 U	
SB-9 E25 (0-6")	06/14/2017	0	0.024 I	0.028 I	0.046	0.012 I	0.025 I	0.020 U	0.020 I	0.044	

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TABLE 3A: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs

Sample		OVA	Laboratory Analyses								Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chrysene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene	Benzo (a) pyrene equivalent	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-9 E25 (6"-2')	06/14/2017	0	0.0045 U	0.011 U	0.029 U	0.0082 U	0.014 U	0.019 U	0.019 U	0.015 U	
SB-9 W25 (0-6")	06/14/2017	0	0.063	0.059	0.12	0.037 I	0.056	0.021 U	0.044	0.096	
SB-9 W25 (6"-2')	06/14/2017	0	0.0046 U	0.011 U	0.030 U	0.0085 U	0.014 U	0.020 U	0.020 U	0.015 U	
SB-10 (0-6")	06/15/2017	0	0.068	0.041 I	0.080	0.076	0.065	0.021 U	0.043	0.096	
SB-10 (6"-2')	06/15/2017	0	0.0047 U	0.012 U	0.030 U	0.0086 U	0.014 U	0.020 U	0.020 U	0.016 U	
SB-11 (0-6")	06/15/2017	0	0.045	0.034 I	0.058	0.040	0.046	0.019 U	0.027 I	0.067	
SB-11 (6"-2')	06/15/2017	0	0.0081 I	0.011 U	0.028 U	0.0081 U	0.013 U	0.019 U	0.019 U	0.021	
SB-11 E25 (0-6")	06/15/2017	0	0.038	0.031 I	0.049	0.035 I	0.042	0.019 U	0.025 I	0.058	
SB-11 E25 (6"-2')	06/15/2017	0	0.0056 U	0.014 U	0.036 U	0.010 U	0.017 U	0.024 U	0.024 U	0.019 U	
SB-11 W25 (0-6")	06/15/2017	0	0.39	0.28	0.76	0.0082 U	0.46	0.068	0.25	0.59	
SB-11 W25 (6"-2')	06/15/2017	0	0.0075 I	0.010 U	0.027 U	0.0077 U	0.013 U	0.018 U	0.018 U	0.019	
SB-12 (0-6")	06/27/2017	0	0.77	0.63	1.4	0.48	0.76	0.16	0.52	1.2	
SB-12 (6"-2')	06/27/2017	0	0.0082 U	0.020 U	0.053 U	0.015 U	0.025 U	0.035 U	0.035 U	0.027 U	
SB-12 E25 (0-6")	06/15/2017	0	0.21	0.15	0.34	0.19	0.23	0.034 I	0.14	0.31	
SB-12 E25 (6"-2')	06/15/2017	0	0.063	0.046	0.12	0.0078 U	0.061	0.018 U	0.038	0.093	
SB-12 W25 (0-6")	06/15/2017	0	0.12	0.068	0.17	0.085	0.11	0.020 U	0.069	0.16	
SB-12 W25 (6"-2')	06/15/2017	0	0.046	0.017 I	0.075	0.043	0.043	0.018 U	0.031 I	0.068	
SB-13 (0-6")	06/15/2017	0	0.082	0.11	0.13	0.065	0.061	0.027 U	0.056	0.13	
SB-13 (6"-2')	06/15/2017	0	0.54	0.62	0.72	0.30	0.54	0.13	0.36	0.84	
SB-14 (0-6")	06/27/2017	0	0.095	0.069	0.19	0.063 I	0.11	0.035 U	0.073	0.15	
SB-14 (6"-2')	06/27/2017	0	0.0083 U	0.021 U	0.053 U	0.015 U	0.025 U	0.036 U	0.036 U	0.028 U	
SB-14 E25 (0-6")	06/15/2017	0	0.14	0.12	0.22	0.13	0.15	0.051	0.12	0.24	
SB-14 E25 (6"-2')	06/15/2017	0	2.0	1.5	2.8	1.9	1.9	0.33	1.1	2.9	
SB-14 W25 (0-6")	06/15/2017	0	0.060	0.045	0.087	0.052	0.063	0.019 U	0.031 I	0.086	
SB-14 W25 (6"-2')	06/15/2017	0	0.0094 U	0.023 U	0.060 U	0.017 U	0.029 U	0.040 U	0.040 U	0.031 U	
SB-15 (0-6")	06/16/2017	0	2.0	1.8	3.4	1.1	1.5	0.33	0.97	3.0	
SB-15 (6"-2')	06/16/2017	0	0.61	0.57	1.2	0.44	0.48	0.11	0.33	0.93	
SB-16 (0-6")	06/27/2017	0	0.069 I	0.052 I	0.12	0.044 I	0.051 I	0.037 U	0.054 I	0.11	
SB-16 (6"-2')	06/27/2017	0	0.027 I	0.022 I	0.051 U	0.024 I	0.024 U	0.034 U	0.034 U	0.051	
SB-16 E25 (0-6")	06/16/2017	0	0.13	0.13	0.23	0.068	0.10	0.024 I	0.065	0.20	
SB-16 E25 (6"-2')	06/16/2017	0	0.64	0.65	0.98	0.36	0.61	0.14	0.35	0.98	
SB-16 E50 (0-6")	06/16/2017	0	0.39	0.41	0.55	0.26	0.40	0.074	0.22	0.59	
SB-16 E50 (6"-2')	06/16/2017	0	2.2	2.6	3.0	1.5	2.5	0.42	1.2	3.3	
SB-17 (0-6")	06/27/2017	0	0.068 I	0.039 I	0.13	0.053 I	0.052 I	0.049 U	0.056 I	0.12	
SB-17 (6"-2')	06/27/2017	0	0.14 I	0.12 I	0.24	0.12 I	0.13 I	0.084 U	0.091 I	0.23	

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TABLE 3A: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs

Sample		OVA	Laboratory Analyses								Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chrysene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene	Benzo (a) pyrene equivalent	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-17 E25 (0-6")	06/16/2017	0	0.029 I	0.039 I	0.056 U	0.020 I	0.026 U	0.037 U	0.037 U	0.056	
SB-17 E25 (6"-2')	06/16/2017	0	0.16	0.24	0.28	0.13 I	0.17	0.067 U	0.089 I	0.26	
SB-17 W50 (0-6")	06/16/2017	0	0.23	0.21	0.32	0.18	0.17 I	0.090 U	0.12 I	0.34	
SB-17 W50 (6"-2')	06/16/2017	0	0.076	0.074	0.13	0.051	0.082	0.018 U	0.049	0.11	
SB-18 (0-6")	06/20/2017	0	0.024 I	0.010 U	0.030 I	0.010 I	0.017 I	0.018 U	0.018 U	0.038	
SB-18 (6"-2')	06/20/2017	0	0.010 U	0.025 U	0.066 U	0.019 U	0.031 U	0.044 U	0.044 U	0.034 U	
SB-18E25 (0-6")	06/20/2017	0	0.069 I	0.10	0.10	0.053 I	0.064 I	0.049 U	0.057 I	0.12	
SB-18E25 (6"-2')	06/20/2017	0	0.0095 U	0.023 U	0.061 U	0.018 U	0.029 U	0.041 U	0.041 U	0.032 U	
SB-18W25 (0-6")	06/20/2017	0	0.077	0.060	0.098	0.068	0.061	0.022 U	0.052	0.11	
SB-18W25 (6"-2')	06/20/2017	0	0.0044 U	0.011 U	0.028 U	0.0081 U	0.013 U	0.019 U	0.019 U	0.015 U	
SB-19 (0-6")	06/21/2017	0	0.043	0.025 I	0.045	0.048	0.048	0.018 U	0.024 I	0.062	
SB-19 (6"-2')	06/21/2017	0	0.10	0.089	0.15	0.073	0.11	0.048	0.080	0.18	
SB-20 (0-6")	06/20/2017	0	0.0041 U	0.010 U	0.026 U	0.0075 U	0.012 U	0.017 U	0.017 U	0.013 U	
SB-20 (6"-2')	06/20/2017	0	0.0041 U	0.010 U	0.026 U	0.0076 U	0.012 U	0.018 U	0.018 U	0.014 U	
SB-20E25 (0-6")	06/20/2017	0	0.097	0.10	0.11	0.070	0.13	0.017 U	0.044	0.13	
SB-20E25 (6"-2')	06/20/2017	0	0.011 U	0.028 U	0.074 U	0.021 U	0.035 U	0.049 U	0.049 U	0.038 U	
SB-20W40 (0-6")	06/20/2017	0	0.0047 I	0.010 U	0.027 U	0.0078 U	0.013 U	0.018 U	0.018 U	0.016	
SB-20W40 (6"-2')	06/20/2017	0	0.88	1.2	1.4	0.56	0.88	0.20	0.63	1.4	
SB-21 (0-6")	06/21/2017	0	0.040	0.029 I	0.072	0.033 I	0.052	0.018 U	0.041	0.064	
SB-21 (6"-2')	06/21/2017	0	0.040	0.035 I	0.054	0.036 I	0.048	0.019 U	0.029 I	0.062	
SB-22 (0-6")	06/21/2017	0	0.0041 U	0.010 U	0.027 U	0.0076 U	0.013 U	0.018 U	0.018 U	0.014 U	
SB-22 (6"-2')	06/21/2017	0	0.0089 I	0.0097 U	0.025 U	0.0073 U	0.012 U	0.017 U	0.017 U	0.020	
SB-22 E25 (0-6")	06/21/2017	0	0.0041 U	0.010 U	0.026 U	0.0075 U	0.012 U	0.017 U	0.017 U	0.013 U	
SB-22 E25 (6"-2')	06/21/2017	0	0.038	0.018 I	0.071	0.0081 U	0.038	0.019 U	0.022 I	0.059	
SB-22 W25 (0-6")	06/21/2017	0	0.0046 U	0.011 U	0.029 U	0.0085 U	0.014 U	0.020 U	0.020 U	0.015 U	
SB-22 W25 (6"-2')	06/21/2017	0	0.015 I	0.016 I	0.026 U	0.024 I	0.030 I	0.017 U	0.017 U	0.028	
SB-23 (0-6")	06/21/2017	0	0.11	0.094	0.17	0.071	0.12	0.021 U	0.073	0.16	
SB-23 (6"-2')	06/21/2017	0	0.19	0.16	0.41	0.018 U	0.23	0.041 U	0.12	0.28	
SB-23 E25 (0-6")	06/21/2017	0	0.36	0.27	0.50	0.25	0.38	0.11	0.27	0.58	
SB-23 E25 (6"-2')	06/21/2017	0	0.019 I	0.017 I	0.037 I	0.018 I	0.026 I	0.022 U	0.022 U	0.037	
SB-23 W25 (0-6")	06/21/2017	0	0.012 I	0.011 U	0.029 U	0.0092 I	0.015 I	0.019 U	0.019 U	0.025	
SB-23 W25 (6"-2')	06/21/2017	0	0.046	0.053	0.087	0.0078 U	0.049	0.018 U	0.030 I	0.072	
SB-24 (0-6")	06/21/2017	0	0.45	0.35	0.66	0.42	0.43	0.11	0.30	0.70	
SB-24 (6"-2')	06/21/2017	0	0.20	0.15	0.30	0.12	0.16	0.054	0.12	0.31	
SB-24 E25 (0-6")	06/21/2017	0	0.088	0.057	0.11	0.086	0.077	0.018 U	0.055	0.12	

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TABLE 3A: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs

Sample		OVA	Laboratory Analyses								Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chrysene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene	Benzo (a) pyrene equivalent	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-24 E25 (6"-2')	06/21/2017	0	0.15	0.10	0.21	0.12	0.15	0.058	0.094	0.25	
SB-24 W25 (0-6")	06/21/2017	0	0.49	0.35	0.69	0.40	0.46	0.12	0.32	0.75	
SB-24 W25 (6"-2')	06/21/2017	0	1.3	1.1	1.8	0.77	1.0	0.039 U	0.78	1.7	
SB-25 (0-6")	06/21/2017	0	0.036 I	0.029 I	0.046	0.028 I	0.033 I	0.039 I	0.025 I	0.085	
SB-25 (6"-2')	06/21/2017	0	0.087 I	0.076 I	0.14	0.059 I	0.092	0.092	0.065 I	0.21	
SB-25 E25 (0-6")	06/21/2017	0	0.029 I	0.029 I	0.061 U	0.018 U	0.029 U	0.041 U	0.041 U	0.058	
SB-25 E25 (6"-2')	06/21/2017	0	0.90	0.94	1.1	0.72	0.90	0.20	0.53	1.4	
SB-25 W25 (0-6")	06/21/2017	0	0.048	0.038	0.070	0.038	0.055	0.038	0.035 I	0.10	
SB-25 W25 (6"-2')	06/21/2017	0	0.049 I	0.043 I	0.064 I	0.028 I	0.045 I	0.067 I	0.036 U	0.13	
Leachability Based on Groundwater Criteria (mg/kg)			8	0.8	2.4	24	77	0.7	6.6	**	
Direct Exposure Residential (mg/kg)			0.1	#	#	#	#	#	#	0.1	
Direct Exposure Commercial/Industrial (mg/kg)			0.7	#	#	#	#	#	#	0.7	

Notes:

NA= Not Available

NS = Not Sampled

** = Leachability value not applicable

= Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.

Exceeds Leachability Based on Groundwater Criteria Limits

Exceeds Direct Exposure Residential Limits

Exceeds Direct Exposure Commercial/Industrial Limits

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TABLE 4: SOIL ANALYTICAL SUMMARY - TRPHs

Sample		OVA	Laboratory Analyses														Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	TRPHs (FLPRO)	C10-C12 Aliphatic Hydrocarbons	C10-C12 Aromatic Hydrocarbons	C12-C16 Aliphatic Hydrocarbons	C12-C16 Aromatic Hydrocarbons	C16-C21 Aromatic Hydrocarbons	C16-C35 Aliphatic Hydrocarbons	C21-C35 Aromatic Hydrocarbons	C5-C6 Aliphatic Hydrocarbons	C5-C7 Aromatic Hydrocarbons	C6-C8 Aliphatic Hydrocarbons	C7-C8 Aromatic Hydrocarbons	C8-C10 Aliphatic Hydrocarbons	C8-C10 Aromatic Hydrocarbons	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-1 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1 E25 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1 E25 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1 W25 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1 W25 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-2 (0-6")	06/14/2017	0	58.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-2 (6"-2')	06/14/2017	0	12.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-3 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-3 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-3 E50 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-3 E50 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-3 W25 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-3 W25 (6"-2)	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-4 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-4 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-4E25 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-4E25 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-4W25 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-4W25 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-5 (0-6")	06/20/2017	0	6.9 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-5 (6"-2')	06/20/2017	0	9.0 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-6 (0-6")	06/20/2017	0	2.9 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-6 (6"-2')	06/20/2017	0	8.3 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-7 (0-6")	06/16/2017	0	7.5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-7 (6"-2')	06/16/2017	0	4.5 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8 E25 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8 E25 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8 E50 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-8 E50 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-9 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-9 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-9 E25 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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TABLE 4: SOIL ANALYTICAL SUMMARY - TRPHs

Sample		OVA	Laboratory Analyses														Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	TRPHs (FLPRO)	C10-C12 Aliphatic Hydrocarbons	C10-C12 Aromatic Hydrocarbons	C12-C16 Aliphatic Hydrocarbons	C12-C16 Aromatic Hydrocarbons	C16-C21 Aromatic Hydrocarbons	C16-C35 Aliphatic Hydrocarbons	C21-C35 Aromatic Hydrocarbons	C5-C6 Aliphatic Hydrocarbons	C5-C7 Aromatic Hydrocarbons	C6-C8 Aliphatic Hydrocarbons	C7-C8 Aromatic Hydrocarbons	C8-C10 Aliphatic Hydrocarbons	C8-C10 Aromatic Hydrocarbons	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-9 E25 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-9 W25 (0-6")	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-9 W25 (6"-2')	06/14/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-10 (0-6")	06/15/2017	0	5.2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-10 (6"-2')	06/15/2017	0	5.2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-11 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-11 (6"-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-11 E25 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-11 E25 (6"-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-11 W25 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-11 W25 (6"-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-12 (0-6")	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-12 (6"-2')	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-12 E25 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-12 E25 (6"-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-12 W25 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-12 W25 (6"-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-13 (0-6")	06/15/2017	0	6.8 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-13 (6"-2')	06/15/2017	0	20.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14 (0-6")	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14 (6"-2')	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14 E25 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14 E25 (6"-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14 W25 (0-6")	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-14 W25 (6-2')	06/15/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-15 (0-6")	06/16/2017	0	107	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-15 (6"-2')	06/16/2017	0	141	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16 (0-6")	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16 (6"-2')	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16 E25 (0-6")	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16 E25 (6"-2')	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16 E50 (0-6")	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16 E50 (6"-2')	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-17 (0-6")	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-17 (6"-2')	06/27/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

DTPW The Underline
Soil Analytical Results
Amec Foster Wheeler Project#6783-17-2970

TABLE 4: SOIL ANALYTICAL SUMMARY - TRPHs

Sample		OVA	Laboratory Analyses														Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	TRPHs (FLPRO)	C10-C12 Aliphatic Hydrocarbons	C10-C12 Aromatic Hydrocarbons	C12-C16 Aliphatic Hydrocarbons	C12-C16 Aromatic Hydrocarbons	C16-C21 Aromatic Hydrocarbons	C16-C35 Aliphatic Hydrocarbons	C21-C35 Aromatic Hydrocarbons	C5-C6 Aliphatic Hydrocarbons	C5-C7 Aromatic Hydrocarbons	C6-C8 Aliphatic Hydrocarbons	C7-C8 Aromatic Hydrocarbons	C8-C10 Aliphatic Hydrocarbons	C8-C10 Aromatic Hydrocarbons	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-17 E25 (0-6")	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-17 E25 (6"-2')	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-17 W50 (0-6")	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-17 W50 (6"-2')	06/16/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-18 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-18 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-18E25 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-18E25 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-18W25 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-18W25 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-19 (0-6")	06/21/2017	0	36.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-19 (6"-2')	06/21/2017	0	3.5 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-20 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-20 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-20E25 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-20E25 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-20W40 (0-6")	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-20W40 (6"-2')	06/20/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-21 (0-6")	06/21/2017	0	12.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-21 (6"-2')	06/21/2017	0	16.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-22 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-22 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-22 E25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-22 E25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-22 W25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-22 W25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-23 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-23 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-23 E25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-23 E25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-23 W25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-23 W25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24 E25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

DTPW The Underline
Soil Analytical Results
Amec Foster Wheeler Project#6783-17-2970

TABLE 4: SOIL ANALYTICAL SUMMARY - TRPHs

Sample		OVA	Laboratory Analyses														Comments
Boring / Well No.	Date Collected	Net OVA Reading (ppm)	TRPHs (FLPRO)	C10-C12 Aliphatic Hydrocarbons	C10-C12 Aromatic Hydrocarbons	C12-C16 Aliphatic Hydrocarbons	C12-C16 Aromatic Hydrocarbons	C16-C21 Aromatic Hydrocarbons	C16-C35 Aliphatic Hydrocarbons	C21-C35 Aromatic Hydrocarbons	C5-C6 Aliphatic Hydrocarbons	C5-C7 Aromatic Hydrocarbons	C6-C8 Aliphatic Hydrocarbons	C7-C8 Aromatic Hydrocarbons	C8-C10 Aliphatic Hydrocarbons	C8-C10 Aromatic Hydrocarbons	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
SB-24 E25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24 W25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-24 W25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25 E25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25 E25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25 W25 (0-6")	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-25 W25 (6"-2')	06/21/2017	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Leachability Based on Groundwater Criteria (mg/kg)			340	51000	520	**	1000	3200	**	25000	470	34	1300	59	7000	340	
Direct Exposure Residential (mg/kg)			460	1700	900	2900	1500	1300	42000	2300	6200	340	8700	490	850	460	
Direct Exposure Commercial/Industrial (mg/kg)			2700	10000	5900	21000	12000	11000	NA	40000	NA	NA	46000	3700	4800	2700	

Notes:

NA = Not Available

NS = Not Sampled

* = Leachability value may be determined using TCLP.

** = Not a health concern for this exposure scenario.

Exceeds Leachability Based on Groundwater Criteria Limits

Exceeds Direct Exposure Residential Limits

Exceeds Direct Exposure Commercial/Industrial Limits

DTPW The Underline
SPLP and TCLP Analytical Results
Amec Foster Wheeler Project#6783-17-2970

TABLE 5: SPLP and TCLP ANALYTICAL SUMMARY - Metals

Sample		Arsenic (SPLP Method)	Lead (TCLP Method)
Location	Date	(ug/L)	(ug/L)
SB-1 (0-6")	06/14/2017	27	NS
SB-1 E25 (6"-2')	06/14/2017	75	NS
SB-2 (6"-2')	06/14/2017	40	NS
SB-3 (6"-2')	06/14/2017	63	NS
SB-3 W25 (6"-2')	06/14/2017	NS	150
SB-4 (6"-2')	06/20/2017	74	NS
SB-4E25 (6"-2')	06/20/2017	27	NS
SB-4W25 (6"-2')	06/20/2017	45	NS
SB-5 (6"-2')	06/20/2017	6.4 I	NS
SB-6 (0-6")	06/20/2017	36	NS
SB-6 (6"-2')	06/20/2017	14	NS
SB-7 (6"-2')	06/16/2017	45	NS
SB-8 (6"-2')	06/14/2017	66	NS
SB-8 E25 (6"-2')	06/14/2017	160	NS
SB-8 E50 (6"-2')	06/14/2017	76	NS
SB-9 (0-6")	06/14/2017	10 I	NS
SB-9 (6"-2')	06/14/2017	50	NS
SB-12 (0-6")	06/27/2017	37	NS
SB-12 (6"-2')	06/27/2017	48	NS
SB-12 E25 (0-6")	06/15/2017	14	NS
SB-12 E25 (6"-2')	06/15/2017	38	NS
SB-12 W25 (0-6")	06/15/2017	22	NS
SB-12 W25 (6"-2')	06/15/2017	95	NS
SB-14 E25 (6"-2')	06/15/2017	20	340
SB-15 (0-6")	6/16/2017	10	NS
SB-15 (6"-2')	6/16/2017	62	NS
SB-16 (0-6")	06/27/2017	8.3 I	NS
SB-16 (6"-2')	06/27/2017	57	NS
SB-16E25 (0-6")	6/16/2017	5.0 U	NS
SB-16E25 (6"-2')	6/16/2017	15	NS
SB-16E50 (0-6")	6/16/2017	5.0 U	NS
SB-16E50 (6"-2')	6/16/2017	63	37
SB-17 (0-6")	06/27/2017	5.0 U	NS
SB-17 (6"-2')	06/27/2017	36	NS
SB-17E25 (0-6")	6/16/2017	5.0 U	NS
SB-17E25 (6"-2')	6/16/2017	5.0 U	NS
SB-17W50 (0-6")	6/16/2017	100 U*	50.0 U
SB-17W50 (6"-2')	6/16/2017	21	NS
SB-18 (0-6")	06/20/2017	100	NS
SB-18 (6"-2')	06/20/2017	55	NS
SB-18E25 (0-6")	06/20/2017	13	NS
SB-18E25 (6"-2')	06/20/2017	19	NS

DTPW The Underline
 SPLP and TCLP Analytical Results
 Amec Foster Wheeler Project#6783-17-2970

TABLE 5: SPLP and TCLP ANALYTICAL SUMMARY - Metals

Sample		Arsenic (SPLP Method)	Lead (TCLP Method)
Location	Date	(ug/L)	(ug/L)
SB-18W25 (0-6")	06/20/2017	9.0 I	NS
SB-18W25 (6"-2')	06/20/2017	11	NS
SB-19 (6"-2')	06/21/2017	5.5 I	NS
SB-22 (6"-2')	06/21/2017	20	NS
SB-22 E25 (6"-2')	06/21/2017	5.0 U	NS
SB-22 W25 (6"-2')	06/21/2017	19	NS
SB-23 (0-6")	06/21/2017	100 U*	120
SB-23 (6"-2')	06/21/2017	87	NS
SB-23 E25 (0-6")	06/21/2017	100 U*	480
SB-23 E25 (6"-2')	06/21/2017	8.4 I	NS
SB-23 W25 (6"-2')	06/21/2017	560	NS
SB-24 (0-6")	06/21/2017	36	NS
SB-24 (6"-2')	06/21/2017	16	NS
SB-24 E25 (0-6")	06/21/2017	26	NS
SB-24 E25 (6"-2')	06/21/2017	69	NS
SB-24 W25 (0-6")	06/21/2017	34	NS
SB-24 W25 (6"-2')	06/21/2017	160	NS
SB-25 (6"-2')	06/21/2017	38	NS
SB-25 E25 (6"-2')	06/21/2017	59	NS
GCTLs		10	15
NADCs		100	150

Notes:

NA = Not Available

NS = Not Sampled

* = Analyzed using TCLP method

SPLP = Synthetic Precipitation Leaching Procedure

TCLP = Toxic Characteristic Leaching Procedure

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table I of Chapter 62-777, F.A.C.

Exceeds GCTL Limit

Exceeds NADC Limit



FIGURES



ATTACHMENT A

WORK ORDER

**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES, DIVISION OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM)
WORK ORDER FOR ENVIRONMENTAL CLEANUP, COMPLIANCE AND RELATED SERVICES FOR MIAMI-DADE COUNTY FACILITIES UNDER E14-RER-03**

WORK ORDER #: 004-D14/03-AMEC **DATE EXECUTED:**

CONSULTANT: AMEC Foster Wheeler Env. & Infrastructure, Inc.
5845 NW 158th Street, Miami Lakes, FL 33014

AMEC CONTACT: Ashok Aitharaju **PHONE:** (305) 826-5588 ashok.aitharaju@amecfw.com
DERM CONTACT: Becky Varley **PHONE:** (305) 372-6824 becky.varley@miamidade.gov
DTPW CONTACT: Akbar Sharifi **PHONE:** (786) 469-5269 akr@miamidade.gov

PROJECT/LOCATION: Phase 2 Environmental Site Assessment at The Underline project, located in the vicinity of South of Miami River to SW 98 ST along US1, on behalf of the Miami-Dade Department of Transportation and Public Works (DTPW)

SERVICE REQUESTED: In accordance with the AMEC Foster Wheeler Env. & Infrastructure, Inc. (AMEC) cost proposal for "Phase 2 Environmental Site Assessment" (dated May 24, 2017, attached) and pursuant to all applicable city, county, state and federal regulations and guidelines, AMEC shall complete the specified services. AMEC shall submit one copy each of the report to DERM and DTPW in addition to one electronic writable copy. Allowance and Contingency Accounts have been included to be utilized for unforeseen circumstances, which require prior written approval from DERM. The basic scope of services is issued on a lump sum basis and the charges shall not exceed the amount authorized below. A credit will be given to Miami-Dade County for any portion of lump sum tasks that are not completed.

DELIVERABLE DUE DATE: In accordance with the time frames contained in the attached cost proposals

WORK SCOPE:	\$ \$48,224.34	SBE-CONSTR GOAL: TBD
ALLOWANCE ACCOUNT:	\$ \$9,882.54	SBE GOAL: NA
CONTINGENCY ACCOUNT:	\$ \$10,000.00	SBE-GOODS/SERVICES: NA
TOTAL WORK ORDER AMOUNT:	\$ \$68,106.88 ✓	

EXPENDITURE CODE: CPK143MT0408

[Signature]
PROJECT MANAGER, DTPW

Akbar Sharifi, P.E. 615117
Print Name/Title

[Signature]
DIVISIONAL APPROVAL, DTPW

IRENE HELGEDUS, CHIEF OF TRANSP. ENHANCEMENTS 6.5.2017
Print Name/Title

[Signature]
FINANCIAL AUTHORIZATION, DTPW

Patricia Prochnicki, Chief Budget
Print Name/Title

[Signature]
for DIRECTOR'S OFFICE, DTPW

IRENE FEIL
Print Name/Title

[Signature]
AMEC, PRINCIPAL

Michael Mardome, Sr. VP
Print Name/Title

Pursuant to the E14-RER-03 Non-Exclusive Professional Services Agreement (PSA) for Environmental Cleanup, Compliance and Related Services for Miami-Dade County Facilities, Resolution No. R-638-16 approved by the MDC Board of County Commissioners on July 6, 2016, you are hereby authorized to provide the services prescribed herein. All terms and conditions of the E14-RER-03 Professional Services Agreement shall apply. Invoices shall be submitted to DERM as specified in the attached cost proposal. Each invoice shall reference the Work Order # shown above.

Direct any questions pertaining to this Work Order to the DERM Contact listed above.

DIVISION OF ENVIRONMENTAL RESOURCES MANAGEMENT USE ONLY

DERM APPROVAL _____ DATE _____
DIVISION OF ENVIRONMENTAL RESOURCES MANAGEMENT





ATTACHMENT B

DERM CORRESPONDENCE

Memorandum



Date: July 25, 2016

To: Mark A. Heinicke, Senior Park Planner
Miami-Dade Parks, Recreation & Open Spaces

From: Wilbur Mayorga, P.E., Chief
Environmental Monitoring & Restoration Division, DERM

Subject: Limited Phase 1 Environmental Site Assessment, The Underline – 10 Mile Corridor Park, Metrorail Right-of-Way, Miami River to Dadeland South Station, Miami, Florida, HWR-861

The Department of Regulatory and Economic Resources-Division of Environmental Resources Management (DERM) has reviewed the above-referenced documents received May 23, 2016 and offers the following comments:

1. Prior to the construction of the Metrorail in 1984, the subject property appears to have been a railroad and there appears to have been numerous commercial buildings and activities on either side of the railroad. As a result, the Phase 1 report shall include a review of the historical fire insurance maps, historical aerials, historical topographic maps and historical use information for the entire length of the subject property and the surrounding areas. Also, user provided information shall be gathered in relation to the conditions observed and discovered during the construction of the Metrorail to determine what areas may be discovered as contaminated but were not reported.
2. The report referenced above identified several recognized environmental conditions (RECs); however, specific recommendations for further assessment were not provided. A specific sampling plan to address the RECs is required as follows:
 - a. Dry Cleaner Contaminated Sites - at least one soil boring (0-6" and 6"-24" intervals) shall be proposed on the subject property in the vicinity of any dry cleaner contaminated sites within 500' of the property. For those facilities with an assessed (defined or undefined) chlorinated solvent plume, provide documentation of the plume boundaries not extending onto the subject property.
 - b. Petroleum Contaminated Sites - at least one soil boring (0-6" and 6"-24" intervals) shall be proposed on the subject property in the vicinity of any petroleum contaminated sites immediately adjacent to the property. For those facilities with an assessed (defined or undefined) petroleum plume, provide documentation of the plume boundaries not extending onto the subject property.
 - c. The following facilities with documented contamination were missing from the report and shall be addressed according to the comments 2.a. and 2.b. above:
 - i. Southside Park - 140 SW 11 St., HWR-779
 - ii. River Cleaners – 99 SW 7 St., IW5-4112/File 3799, FDEP-139700746
 - iii. Systems Go Dry Cleaners – 2750 SW 26 Ave., IW5-5394/File 5001, FDEP-139700068
 - iv. Redd's Dry Cleaners – 5821 Ponce De Leon Blvd, IW5-3387/File 3134, FDEP 139502588

- v. Dadeland Cleaners – 8697 South Dixie Highway, IW5-3632/File 3360, FDEP-139600768
- d. A screening sampling plan for the applicable chemicals of concern focused on the 0-6” and 6”-24” intervals shall be provided for the following situations. Incremental and/or composite sampling techniques may be proposed as applicable.
 - vi. The subject property is a former railroad. Assessment shall be conducted along the centerline of the former rail line or immediately adjacent if under the current Metrorail tracks and at staggered intervals perpendicular to the former rail line. The sampling locations shall be adjusted to coincide with commercial/industrial spurs. Based on the proposed “Character Zones” this required assessment should be more concentrated in these zones due to their proposed greater use and potential exposure.
 - vii. For all areas of the property historically and currently adjacent to major roadways assess for Pb and PAHs. Based on the proposed “Character Zones” this required assessment should be more concentrated in these zones due to their proposed greater use and potential exposure.
 - viii. Historical commercial/industrial facilities or areas of contamination discovered in response to comment 1 above.
 - ix. Include a depiction of the location and layout of the Everglades Pipeline on the subject property and a sampling plan to determine whether the pipeline has impacted the subject property.
 - x. Other commercial/industrial sites documented in the records search of the report which are adjacent to the subject property but are not known to be contaminated sites.
3. Please clarify the southern boundary of The Underline at the Dadeland South Metrorail Station or SW 98 St. since the report included RECs south of the Dadeland South Metrorail Station.
4. Where applicable, rail line tracks, ties and ballast shall be completely removed and disposed of properly.
5. Based on the results of the assessment additional soil and groundwater assessment may be required.

A Supplemental Phase 1 Environmental Site Assessment Report including the requested information and a sampling plan shall be submitted within 60 days.

If you have any questions concerning the above, please contact Rebecca Varley (varleb@miamidade.gov) of the Environmental Monitoring & Restoration Division at (305) 372-6700.

RSV

ec: Ricardo Fraxedas, P.E., Amec, (ricardo.fraxedas@amecfw.com)
Arsenio Milian, P.E., MSA, (amilian@milianswain.com)
Alejandro Zizold (PROS), (Alejandro.Zizold@miamidade.gov)
Marietta Gutierrez (PROS) (Marietta.Gutierrez@miamidade.gov)

Memorandum



Date: April 26, 2017

To: Mark A. Heinicke, Senior Park Planner
Miami-Dade Parks, Recreation & Open Spaces

Akbar Sharifi, Senior P.E.
Miami-Dade County Department of Transportation & Public Works

From: Wilbur Mayorga, P.E., Chief
Environmental Monitoring & Restoration Division, DERM 

Subject: Supplemental Phase 1 Environmental Site Assessment and Sampling Plan, The Underline – 10 Mile Corridor Park, Metrorail Right-of-Way, Miami River to SW 98 St., Miami, Florida, HWR-861

The Department of Regulatory and Economic Resources-Division of Environmental Resources Management (DERM) has reviewed the above-referenced document received March 22, 2017 and offers the following comments:

Project Scope

1. DERM acknowledges that the character zones have been spread out throughout the project and have increased from 7 zones to 20 zones and that additional historical use information was submitted. However, Sanborn maps were not available from SW 37 Ave to SW 98 St.
2. Be advised, if the character zone locations as proposed are modified, additional sampling in the areas not previously designated as character zones may be necessary.

Sampling Plan – the proposed sampling is approved with the following modifications:

1. General Sampling Plan comments

- a. The proposed sampling plan includes the following: four Dry Cleaner Samples (DCS), thirteen Petroleum Contamination Samples (PCS), thirteen Rail Line Samples (RLS) and one Solid Waste Sample (SWS). Modifications to the number and location of the proposed sample types are required (detailed below).
- b. As previously requested, for those facilities with an assessed (defined or undefined) chlorinated solvent or petroleum plume, provide documentation of the plume boundary not extending onto the subject property. However, if there are uncertainties regarding the extent of the plume a soil sample on the site is required.
- c. The proposed sample depths and parameters are approved except as follows:
 - i. Isopropyl benzene shall be included in the analysis for all of the sample types referenced above.
 - ii. The RLS shall include samples at staggered intervals (i.e. 25' and 50' from the center) perpendicular to the former rail line in addition to the proposed center line. Arsenic shall also be included for the RLS samples.
 - iii. The SWS shall also include pesticides and herbicides laboratory analyses.

- iv. Soil boring logs shall be provided that document soil classifications, solid waste percentages and types of solid waste documented, odors, staining, OVA measurements, etc.
 - v. Sub-meter GPS coordinates of the sample locations shall be collected and reported.
2. Figure 1 – The Character Zones referenced in the report differ from the Character Zones referenced on The Underline website – The Brickell Backyard Rooms. As stated previously, if the location of the proposed recreational use changes, additional sampling may be required in areas not previously designated as character zones.
 - a. At River Cleaners the DCS location shall be adjusted to the dry cleaner solvent plume area in the vicinity of the storm drain and the monitoring well near SW 7 St. Please refer to the assessment data provided in the DERM file IW5-4112 and provide a map depicting the plume boundary in relation to the Metrorail property and the revised location for the DCS as applicable.
 - b. The three proposed RLS are approved.
 - c. At Southside Park the PCS location shall be adjusted to further define the extent of Arsenic and solid waste documented off-site on Metrorail property. Please refer to the assessment data provided in the DERM file HWR-779 and provide a map depicting the plume boundary in relation to the Metrorail property and the revised location for the PCS as applicable. Please consider adding additional soil samples since the area is being proposed for extensive recreational use as the Character Zone “The Oolite Room”.
 - d. Based on the historical information provided for 104 SW 13 St., Guarantee Exterminating Co., install one PCS on the site adjacent to the building which appears in the historical aerials 1951 – 1991 and the City Directory in 1975 and 1964 as Guarantee Exterminating Co. Include pesticides and herbicides (EPA 8081B and 8151B) for laboratory analysis. Please provide a map depicting the location of the requested soil boring.
 - e. Based on the location of Brickell Cleaners, 120 SW 13 St., an additional DCS shall be proposed on the site. A plume has not yet been documented for the site; however, please refer to the DERM file IW5-10995 for additional information regarding the location and provide a map depicting the location of the requested soil boring.
3. Figure 2
 - a. The proposed RLS in front of Simpson Park should be located to coincide as much as possible with the rail line spur observed on historic aerials based on the location of the nature playground. If the Nature Playground Character Zone does not overlap with the location of the spur, the proposed location should be located at the Nature Playground as close as possible to the spur.
 - b. The second RLS is approved.
4. Figure 3
 - a. The proposed SWS is approved. Be advised, if the solid waste is on Metrorail property, it shall be removed and disposed properly (class 1 landfill) prior to

construction. Also, soil beneath the solid waste shall be scraped 6" and a representative number of soil borings to 2' bgs shall be installed and soil collected and analyzed for the proposed parameters including pesticides and herbicides from the 6"-24" interval. Please provide clarification as to whether the solid waste is on Metrorail property.

- b. The proposed RLS located near the Dog Park or Butterfly Garden and Plaza Character Zone is approved.

5. Figure 4

- a. The proposed PCS at Union 76 is approved. Please refer to the assessment data provided in the DERM file UT-1014 and provide a map depicting the plume boundary in relation to the Metrorail property and the proposed location for the PCS as applicable.
- b. Based on the location of Superior Quality Cleaners, 2482 SW 17 Ave., an additional DCS shall be proposed on the site. A plume has not yet been documented for the site; however, please refer to the DERM file IW5-2625 for additional information regarding the location and provide a map depicting the location of the requested soil boring.
- c. Based on the proximity of the site to the major roadway South Dixie Highway, an additional RLS shall be installed between SW 19 Ave and SW 24 Ave.

6. Figure 5

- a. Based on the historical information provided for 2450 SW 28 Lane., install one PCS on the site adjacent to the building which appears in the Sanborn Maps as Chemical Manufacturer between 1938 and 1950. Include pesticides and herbicides (EPA 8081B and 8151B) for laboratory analysis. Please provide a map depicting the location of the requested soil boring.
- b. Based on the location of Dry Clean USA, 2720 S. Dixie Highway, an additional DCS shall be proposed on the site. A plume has not yet been documented for the site; however, please refer to the DERM file IW5-8593 for additional information regarding the location and provide a map depicting the location of the requested soil boring.
- c. The proposed DCS for Systems Go Dry Cleaners is approved.
- d. The two proposed PCS for Grove Automotive and 7-11 Store #3760 are not necessary since the petroleum sites are not directly adjacent to the site. They are both located across South Dixie Highway. One of the sample locations should be converted to an RLS and the other should be installed as a PCS at the proposed Paved Plaza and Butterfly Garden Character Zone.

7. Figure 6

- a. The proposed PCS at Deel Volvo shall be adjusted to further define the extent of petroleum contamination documented off-site on Metrorail property. Please refer to the assessment data provided in the DERM file UT-1240 and provide a map depicting the plume boundary in relation to the Metrorail property and the revised location for the PCS as applicable.

- b. An additional PCS shall be proposed on the site adjacent to the former Royal Palm Ice Coconut Grove Plant, 3101 Douglas Rd to verify that no contamination remains due to a spill on the Metrorail property originating from the Royal Palm Ice Coconut Grove Plant. Please refer to the DERM file IW5-2979 and the inspection report and photos dated 7/13/88 and provide a map depicting the plume boundary in relation to the Metrorail property and the location for the PCS.
 - c. The proposed RLS at the Skate Park or Basketball Court is approved; however, based on the historical topographic maps The Coconut Grove Railroad Station existed where the current Douglas Road Metrorail Station is situated. Confirm whether any further development is to occur in the area adjacent to the station. Additional sampling may be required based on the response.
8. Figure 7 – The proposed PCS and RLS are approved.
9. Figure 8
 - a. The proposed RLS at the Dog Park, Performance Area and the Birding Area and Nature Trail Character Zones are approved.
 - b. The proposed PCS at the Pop-Up Retail, Plaza, Exercise Equipment Character Zone is approved.
 - c. Based on the former location of a Sewage Treatment Plant adjacent to the site a PCS is required at the Wet Prairie Garden.
 - d. The proposed DCS/PCS shall be relocated to be adjacent to Redd's Dry Cleaners. Please refer to the assessment data provided in the DERM file IW5-3387 and provide a map depicting the plume boundary in relation to the Metrorail property and the proposed location for the DCS as applicable.
10. Figure 9
 - a. Based on the location of Devon Cleaners, 1533 Madruga Ave., an additional DCS shall be proposed on the site. A plume has not yet been documented for the site; however, please refer to the DERM file IW5-20357 for additional information regarding the location and provide a map depicting the location of the requested soil boring.
 - b. The proposed PCS adjacent to the 7-11 #3760 is approved.
 - c. The proposed DCS adjacent to McDonald's and Mario's Cleaners is approved.
 - d. The proposed RLS at the Plaza in front of South Miami Hospital Garden Character Zone is approved.
11. Figure 10
 - a. The proposed PCS at the Wet Prairie Garden is approved.
 - b. The proposed PCS adjacent to the Sunshine #252 is not necessary since the Sunshine #252 is not adjacent to the site.
 - c. Based on the location of Hurricane Dry Cleaners, 6635 S. Dixie Highway, an additional DCS shall be proposed on the site. A plume has not yet been documented

for the site; however, please refer to the DERM file IW5-2855 for additional information regarding the location and provide a map depicting the location of the requested soil boring.

- d. Based on the location of Crown Cleaners, 8253 S. Dixie Highway, an additional DCS shall be proposed on the site. A plume has not yet been documented for the site; however, please refer to the DERM file IW5-11968 for additional information regarding the location and provide a map depicting the location of the requested soil boring.

12. Figure 11

- a. The proposed RLS adjacent to the Soccer Field, Basketball, Volleyball Court and Exercise Equipment Character Zone is approved.
- b. Based on the location of Dadeland Cleaners, formerly located at 8765 S. Dixie Highway, an additional DCS shall be proposed on the site. Please refer to the assessment data provided in the DERM file IW5-3632 and provide a map depicting the plume boundary in relation to the Metrorail property and the proposed location for the DCS as applicable.
- c. The proposed PCS adjacent to the Auto Perfection is not necessary since the site was recently granted closure by the FDEP on 4/7/17.

13. Figure 12

- a. The proposed PCS adjacent to the Supershine Carwash is approved. Please refer to the assessment data provided in the DERM file UT-1777 and IW5-11345 and provide a map depicting the plume boundary in relation to the Metrorail property and the proposed location for the PCS as applicable.
- b. Based on the location of Mary's Coin Wash, 9711 SW 77 Ave., an additional DCS shall be proposed on the site. A plume has not yet been documented for the site; however, please refer to the DERM file IW5-2618 for additional information regarding the location and provide a map depicting the location of the requested soil boring.

A Revised Sampling Plan addressing the comments above shall be submitted within 60 days.

If you have any questions concerning the above, please contact Rebecca Varley (varleb@miamidade.gov) of the Environmental Monitoring & Restoration Division at (305) 372-6700.

RSV

cc: Ricardo Fraxedas, P.E., Amec, (ricardo.fraxedas@amecfw.com)
Arsenio Milian, P.E., MSA, (amilian@milianswain.com)
Alejandro Zizold (PROS), (Alejandro.Zizold@miamidade.gov)
Marietta Gutierrez (PROS) (Marietta.Gutierrez@miamidade.gov)



ATTACHMENT C

HEALTH AND SAFETY PLAN



HEALTH AND SAFETY PLAN

DERM14 UNDERLINE PROJECT

SOUTH OF MIAMI RIVER TO SW 98TH STREET ALONG US-1

Miami, Miami Dade County, Florida

PREPARED BY:

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.
5845 N.W. 158th Street
Miami Lakes, Florida 33014

Amec Foster Wheeler Project No. 6783-17-2970

May 30, 2017

Amec Foster Wheeler Environment & Infrastructure, Inc.
5845 Northwest 158th Street
Miami Lakes, Florida 33014
Phone: (305) 826-5588 and Fax: (305) 826-1799

SITE HEALTH AND SAFETY PLAN

Project: DERM14 Underline Project

Project Number: 6783-17-2970

Location: South of Miami River to SW 98th Street along US-1, Miami,
Miami-Dade County, Florida

REVIEW AND APPROVAL

Site Health and Safety Officer



Jonathan Bulley

5/30/17
Date

Project Manager



Ashok Aitharaju

5/30/2017
Date

Project Coordinator

Mark Kearns

Date

DATE OF PLAN PREPARATION

May 30, 2017

DATES OF PLANNED FIELD ACTIVITIES

May 30 thru July 30 2017

MEDICAL SURVEILLANCE

Amec Foster Wheeler field personnel participate in the corporate medical surveillance program per 29 CFR1910.12(f). Due to the nature of the work, no medical surveillance is required of field personnel.

DESCRIPTION OF WORK

- The scope of work includes installation of shallow soil borings at various locations along a corridor under Metrorail.

EMERGENCY PHONE NUMBERS

HOSPITALS: South Miami Hospital, 6200 SW 73rd Street
Miami, FL 33143 **(786) 662-8500**

Baptist Health Medical Plaza, 10 Giralda Avenue
Coral Gables, FL 33134 786-467-5000 **(Urgent Care)**

EMERGENCY

CONTACTS

NAME	TELEPHONE NUMBERS	DATE OF PRE-EMERGENCY NOTIFICATION (if applicable)
Fire Department:	911	
South Miami Hospital:	(786) 662-8500	
Police Department:	911	

EMERGENCY RESPONSE EQUIPMENT

The following emergency response equipment is required for this project and shall be readily available:

- Field First Aid Kit
- Fire Extinguisher - Type ABC
- Eyewash (Note: Minimum 15 minutes of free-flowing fresh water)
- SCBA
- Shower
- Other: Respirator

COMMUNICATION

The emergency response communication system for the site is:

<input checked="" type="checkbox"/>	Verbal	
<input type="checkbox"/>	Two-way Radio – Nextel	
<input checked="" type="checkbox"/>	Cellular Telephone	
<input type="checkbox"/>	Horn	

	Siren	
	Other:	
✓	Hand signals:	

Hand gripping throat	Out of air, can't breathe
Grip partner's wrist or both hands around waist	Leave area immediately
Hands on top of head	Need assistance
Thumbs up	OK, I am all right, I understand
Thumbs down	No, negative

EMERGENCY PROCEDURES

- The SHSO (or alternate) should be immediately notified via the on-site communication system. The SHSO assumes control of the emergency response.
- The SHSO notifies the Project Manager and client contact of the emergency. The SHSO shall then contact the Environmental, Health, and Safety Officer who will then contact the Corporate Safety Officer.
- If applicable, the SHSO shall notify off-site emergency responders (e.g. fire department, hospital, police department, etc.) and shall inform the response team as to the nature and location of the emergency on-site.
- If applicable, the SHSO evacuates the site. Site workers should move to the predetermined evacuation point (See Site Map).
- For small fires, flames should be extinguished using the fire extinguisher. Large fires should be handled by the local fire department.
- In an unknown situation or if responding to toxic gas emergencies, appropriate PPE, including SCBAs, should be donned. If SCBA's are not present at the site, workers will back off.
- If chemicals are accidentally spilled or splashed into eyes or on skin:
 - Skin - remove contaminated clothing, wash with soap and water.
 - Inhalation - remove to fresh air.
 - Eye Contact - flushes with eye wash or water - get medical help if indicated.
 - Ingestion - seek medical help.
- If a worker is injured, first aid shall be administered by certified first aid provider. Medical emergencies take precedence over decontamination procedures. The route to nearest medical facility is shown on the attached map.
- Before continuing site operations after an emergency involving toxic gases, the SHSO shall don a SCBA and utilize appropriate air monitoring equipment to verify that the site is safe.
- An injured worker shall be decontaminated appropriately.
- After the response, the SHSO shall follow-up with the required company reporting procedures, including the Incident Response Form.

In the event of overt personnel exposure:

Skin - remove contaminated clothing, wash with soap and water.

Inhalation - remove to fresh air.

Eye Contact - flushes with eye wash or water - get medical help if indicated.

Ingestion - seek medical help.

In the event of personnel injury:

Administer first aid if needed. Medical emergencies take precedence over decontamination procedures. Know route to nearest medical facility. Nearest medical facility is shown on the attached map.

In the event of potential or actual fire or explosion:

Use hand extinguisher, if appropriate and if safety permits. Contact Fire Department and/or client company officials as appropriate. Contact Project Manager as soon as possible. Evacuate if necessary to upwind "clean" location.

In event of environmental accident:

1. Pick up, isolate or contain spill.
2. Evacuate area if necessary.
3. Contact Project Manager.

SITE INFORMATION

HAZARDOUS/TOXIC MATERIALS

- X Petroleum hydrocarbons, solvents
- X Arsenic, lead, copper, and other RCRA metals

HAZARD ASSESSMENT

Contamination is not known. The testing is to assess possible petroleum and solvent contamination, solid waste, metals. Characteristics of possible contaminants for the subject site are in **Table 1**. Dermal contact and oral ingestion should be avoided.

Exposure warning symptoms include eye irritation, dizziness, and headache. Odor is NOT necessarily an adequate warning of exposure.

- **Heat Stress**

Field activities create a potential for heat stress, particularly in hot climates such as Florida. The warning symptoms of heat stress include fatigue; loss of strength; reduced accuracy, comprehension and retention; and reduced alertness and mental capacity. Heat stress can escalate into heat stroke which can be fatal.

- **Drilling/Direct Push**

The operation of drilling or direct push rigs and support equipment create a potential for physical injury.

- **Noise Hazard**

Operation of equipment may present a noise hazard to workers.

LOCATION OF SITE "CLEAN AREA" AND DECONTAMINATION STATION

This is to be determined at the site by Field Safety Coordinator.

TABLE 1.

CHARACTERISTICS OF POSSIBLE CONTAMINANTS				
Hazardous/ Toxic Material (Known or Suspect)	OSHA PEL-TWA ppm (mg/m ³)	NIOSH REL ppm (mg/m ³)	ODOR THRESHOLD (PPM)	SYMPTOMS OF EXPOSURE
Benzene ⁽¹⁾⁽²⁾	1	10 ⁽³⁾	4.68	Irritation of eyes and respiratory system; dizziness; excitation; paleness; headache; breathlessness; chest constriction
Toluene	100 150 (ST)	100 150 (ST)	0.17	Irritation of eyes and upper respiratory tract; dizziness; headache; anesthesia
Ethylbenzene	100 125 (ST)	100 125 (ST)	140	Irritation of eyes and upper respiratory tract; irritation and blistering of the skin; nausea; dizziness; lethargy
TPH (as gasoline)	300 500 (ST)	300 500 (ST)	0.25	Irritation of upper respiratory tract; depression of the central nervous system; irregular heartbeat; irritation of mucous membranes
Arsenic, inorganic compounds	0.002 mg/m ³	0.01	Odorless	Ulceration of nasal septum, derm, GI disturbances, peri neur, resp irrit, hyperpig of skin

TWA = Time weighted average

ST = STEL = Short term exposure limit; A 15-minute TWA exposure which should not be exceeded at anytime during a work day, even if the 8-hour TWA is within the TLV-TWA.

References: **ACGIH**, Threshold Limit Values, 1991-1992; **OSHA**, Permissible Exposure Limits, 29 CFR 1910.1000; **NIOSH**, Pocket Guide to Chemical Hazards, 1990; G Weiss, Hazardous Chemicals Data Handbook.

SITE AND PERSONNEL MONITORING PROCEDURES

Avoid contact with contaminated soil and groundwater. Avoid areas of airborne dust and odor. The following action guidelines are to be implemented:

ACTION GUIDELINES

The site surface and adjoining areas are vegetated and drilling is with small diameter direct push rods. Particulates are not anticipated to be a significant issue.

CLOTHING AND PROTECTIVE GEAR REQUIRED

Site work will be conducted in a level D ensemble including:

1. Steel toed boots
2. Hard hats
3. Regular work clothing (long sleeve shirt and denim jeans)
4. Powder free Nitrile gloves shall be worn for any contact with soil, groundwater, or equipment that has contacted soil or groundwater. Gloves shall be changed after each sample, at a minimum.

Subcontractors and other personnel not employed by Amec Foster Wheeler E&I Engineering will not be furnished safety equipment unless prior arrangements have been made.

To be readily available on site:

Respirators to be worn in emergency only if wearer has been successfully fit-tested.

DECONTAMINATION PROCEDURES

Reusable safety gear will be washed with soap and water prior to reuse or removing from site. Sampling equipment and other tools or equipment will be decontaminated as prescribed in the Job Proposal, Job Work Plan, or as directed by the Field Safety Coordinator. Decontamination procedures may be altered (with approval by the SSHO) according to site conditions. The decontamination solution required for each task is provided in the following table:

TABLE DECONTAMINATION SOLUTION REQUIRED PER TASK	
Groundwater Sampling	Alconox, DI Water, Isopropyl Alcohol
Soil Sampling	Alconox, DI Water, Isopropyl Alcohol

DISPOSAL PROCEDURES

Based on available data, disposable items may be treated as ordinary refuse. Disposal procedures are subject to change

WORK PRECAUTIONS

1. Prior to going to the work site, the Field Safety Coordinator will review readily available data and information pertaining to site conditions, potential contaminants, and work to be accomplished.
2. Prior to beginning any work on the site, the Field Safety Coordinator shall brief field personnel on the contents of this plan.
3. No eating, drinking, smoking, chewing gum or tobacco, or putting hand in mouth while on the site.
4. Wear long sleeved shirt and steel-toed boots at all times while at the work site.
5. Remove and discard any non-impervious clothing that becomes contaminated during site activities.
6. Do not go anywhere on the site other than where directed by the Field Safety Coordinator.
7. Wash all exposed skin areas that become contaminated during site activities with soap and water before departing from the site.
8. Potable water shall be supplied near the work site in sufficient quantity to provide emergency washing.
9. Use safe and legal procedures for sample storage and shipment.
10. To prevent heat stress, personnel shall receive adequate water supplies and electrolyte replacement fluids, and maintain scheduled work/rest periods. Personnel should observe each other for signs of heat stress.
11. Amec Foster Wheeler personnel will maintain a safe distance from rigs or direct push units. Personnel will not approach a rig unless clear communication has been established with the rig operator. Non essential personnel shall not enter the drilling area.
12. Amec Foster Wheeler personnel will utilize hearing protection in close proximity to drilling rigs or direct push units.

PERSONNEL POTENTIALLY EXPOSED TO HAZARDOUS MATERIALS

By initialing and dating this form, the listed individual acknowledges that he has read and understands and will comply with the requirements of this Health and Safety Plan.

<u>Personnel Authorized to Enter Site</u>	<u>Date</u>	<u>Initials of Personnel</u>
1. <u>Jonathan Bulley</u>	<u>5/30/17</u>	<u>JAB</u>
2. <u>Angel Hernandez</u>	<u> </u>	<u> </u>
3. <u>Mark Kearns</u>	<u> </u>	<u> </u>
4. <u>Marcelo Pichardo</u>	<u> </u>	<u> </u>
5. <u> </u>	<u> </u>	<u> </u>

Other Personnel Assigned to Handle Hazardous Materials
(Decontaminate, analyze samples, etc.)


1. <u>None</u>
2. <u> </u>

FIELD SAFETY COORDINATOR'S SUMMARY

(To be completed by Field Safety Coordinator after completion of field work, and returned to Health and Safety Officer).

During the work and covered by the Safety Plan, there were:

- a. No violations of the Safety Plan provisions and no obvious contamination of Amec Foster Wheeler E&I employees or subcontractors.
- b. The following violations of the Safety Plan provisions or obvious contamination of Amec Foster Wheeler E&I personnel or subcontractors. (Give details of who, when, type of contamination, circumstances, first aid or medical assistance).

Signature  Date 6/27/17
Field Safety Coordinator

RETURN TO HEALTH AND SAFETY OFFICER

ALL ACCIDENTS AND INCIDENTS CAUSING POTENTIAL EXPOSURE TO HAZARDOUS MATERIALS MUST BE REPORTED AS SOON AS POSSIBLE TO:

HEALTH AND SAFETY OFFICER;
PROJECT MANAGER;
CHIEF ENGINEER/SCIENTIST; OR
BRANCH MANAGER

JOB NAME DERM14 Underline Project, Miami, FL
JOB NUMBER 6783-17-2970.01
DATES IN FIELD _____
NEXT PHASE OF WORK SCHEDULED FOR _____

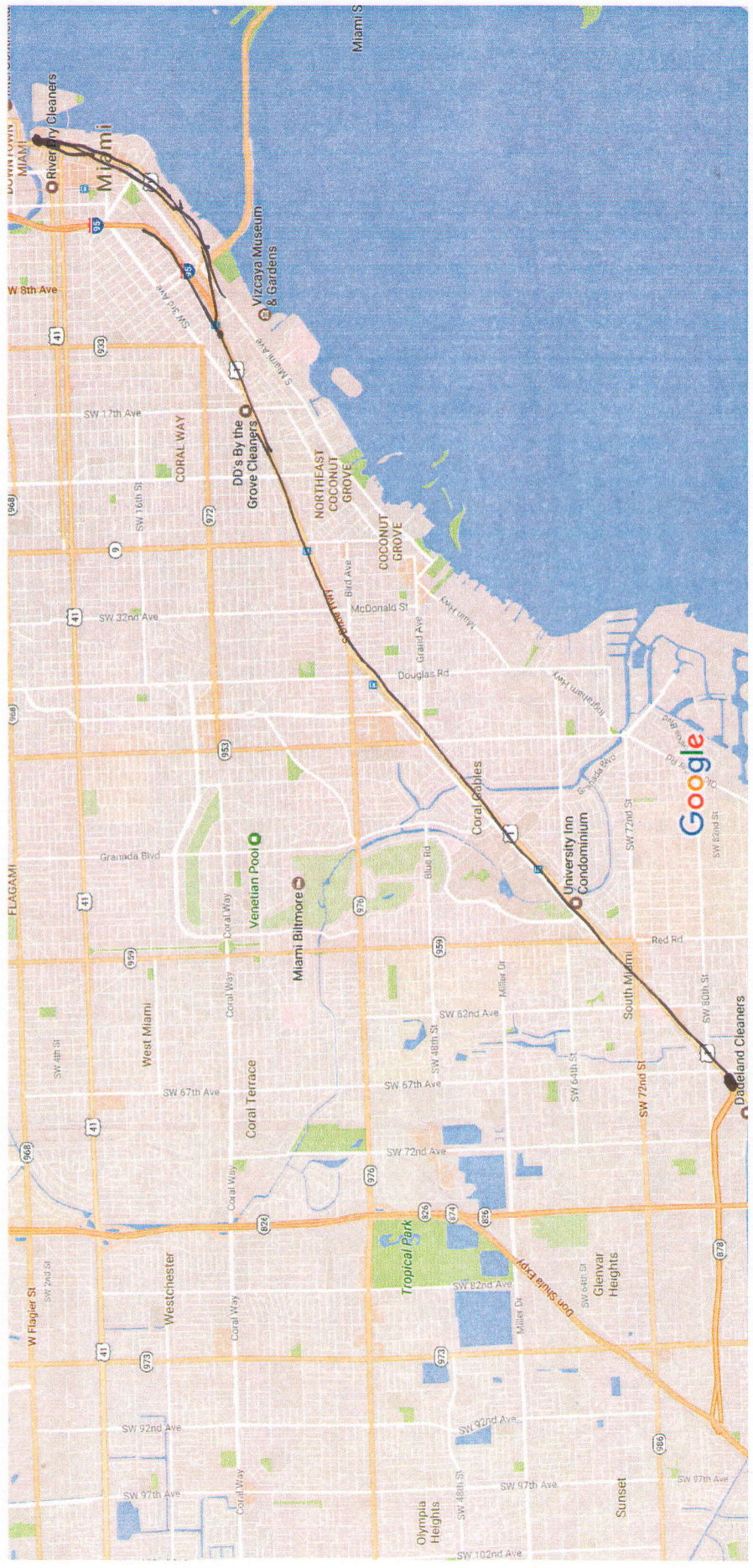
**Amec Foster Wheeler Employee
TAILGATE SAFETY MEETING LOG**

Name	Date	Initials
JONATHAN BULLY	6/6/17	JAB
"	6/8/17	JAB
"	6/9/17	JAB
"	6/12/17	JAB
"	6/13/17	JAB
"	6/14/17	JAB
MARK KEARNS	"	MMK
JONATHAN BULLY	6/15/17	JAB
MARK KEARNS	"	MMK
JONATHAN BULLY	6/16/17	JAB
MARK KEARNS	"	MMK
JONATHAN BULLY	6/20/17	JAB
MARCELO PICHARDO	"	MAP
JONATHAN BULLY	6/21/17	JAB
MARCELO PICHARDO	"	MAP
JONATHAN BULLY	6/27/17	JAB
MARK KEARNS	"	MMK

**CONTRACTOR/SUBCONTRACTOR
TAILGATE SAFETY MEETING LOG ACKNOWLEDGMENT**

This Health and Safety Plan is for the use of Amec Foster Wheeler employees and is provided to the subcontractor/contractor for informational purposes only. Amec Foster Wheeler does not assume Stop Work Authority or safety responsibility over the contractor/subcontractor and it is the sole responsibility of contractor/subcontractor to be responsible for its employee's safety.

<u>Name</u>	<u>Company</u>	<u>Date</u>	<u>Initials</u>
-------------	----------------	-------------	-----------------



Map data ©2017 Google 2000 ft

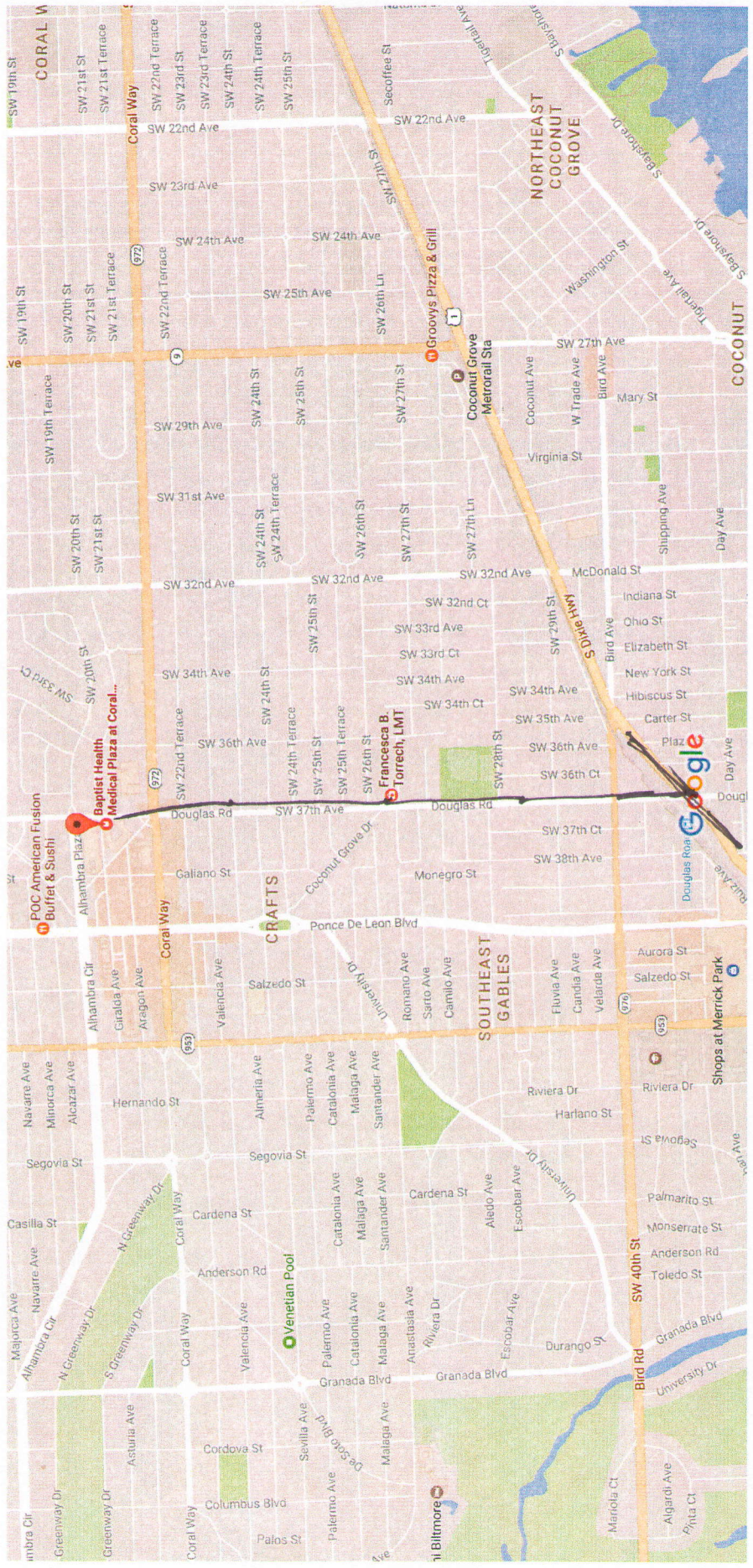
Project Limits

Google Maps



Map data ©2017 Google 200 ft

Google Maps Baptist Health Medical Plaza at Coral Gables : Urgent Care



Map data ©2017 Google 1000 ft



ATTACHMENT D

SOIL BORING LOGS



Amec Foster Wheeler Environment & Infrastructure, Inc.
 5845 NW 158th Street
 Miami Lakes, Florida, 33014
 Phone No.: (305) 826 5588
 Fax No.: (305) 826 1799

BORING NO. SB-1

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	SS	SB-1(0-6")	0	M	SW - GC		Gray fine to medium sand, with some fine to medium gravel
							Red to light gray clay, some fine to medium gravel
	SS	SB-1(6"-2')	0	M	GW		Gray fine to medium sand with fine to medium gravel
							Tan fine to coarse gravel with medium to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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 Fax No.: (305) 826 1799

BORING NO. SB-1E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-1E25(0-6")	0	M	SW		Gray, fine to medium sand, with some fine to medium gravel
	DP	SB-1E25(6"-2')	0	M	GW		Tan to gray, fine to coarse gravel with medium to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-1W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-1W25(0-6")	0	M	SW		Gray, fine to medium sand, with some fine to medium gravel
	DP	SB-1W25(6"-2')	0	M	GW		Tan to gray, fine to coarse gravel with medium to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-2

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-2(0-6")	0	M	SW		Gray, fine to medium sand, with some fine to medium gravel
	DP	SB-2(6"-2')	0	M	GW		Tan to gray, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-3

LOCATION

SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-3(0-6")	0	M	SW		Light gray to dark gray, fine to coarse sand, with some fine to medium gravel
	DP	SB-3(6"-2')	0	M	GW		Tan to gray, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-3E50

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-3E50(0-6")	0	M	SW		Dark gray, fine to medium sand, with some fine to coarse gravel
	DP	SB-3E50(6"-2')	0	M	SW		Light brown, fine to coarse sand with tan fine to coarse gravel
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-3W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-3W25(0-6")	0	M	SW		Dark gray, fine to medium sand, with some fine to coarse gravel
	DP	SB-3W25(6"-2')	0	M	SW		Gray, fine to coarse sand with tan fine to coarse gravel
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-4

LOCATION

SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	HA	SB-4(0-6")	0	M	SW		Dark gray, fine to medium sand, with some fine to coarse gravel
							Tan gray, fine to coarse gravel with some fine to coarse sand
	HA	SB-4(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-4E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-4E25(0-6")	0	M	SW		Dark gray, fine to medium sand, with some fine to coarse gravel
	DP	SB-4E25(6"-2')	0	M	GW		Tan to gray, fine to coarse gravel with some fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-4W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-4W25(0-6")	0	M	GW		Gray fine to coarse gravel with fine to coarse sand
	DP	SB-4W25(6"-2')	0	M	GW		
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-5

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 12'
APPARENT DTW: 4'
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-5(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-5(6"-2')	0	M	SW		Tan to dark gray, fine to coarse sand with fine to coarse gravel
2							
	DP			S	SW-GW		Dark gray, tan, brown fine to coarse sand with fine to coarse gravel
4							
	DP				SW-GW		Gray fine to coarse gravel with fine to coarse sand
6							
	DP			M	GW		Gray fine to medium sand with fine to coarse gravel some silt
8							
	DP			M	GW		Tan to gray fine to coarse gravel with fine to medium sand
10							
	DP			M	GW		Tan gravel
							Brown to gray, fine to coarse gravel with fine to coarse sand
12							End of boring at 12 feet below ground surface



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BORING NO. SB-6

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 6'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-6(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-6(6"-2')	0	M	SW		Tan to gray, fine to coarse sand with fine to coarse gravel
2							
							Tan to gray, fine to coarse sand with fine to coarse gravel, some red gravel
	DP			M	SW-GW		Tan, fine to coarse gravel with fine to coarse sand
4							
							Dark gray, fine to medium sand with fine to coarse gravel some silt
							Tan, fine to coarse gravel with fine to coarse sand
6							Refusal at 6 feet below ground surface
8							
10							
12							



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BORING NO. SB-7

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/16/17
DATE FINISHED: 6/16/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 12'
APPARENT DTW: 2.5'
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-7(0-6")	0	M	SW		Dark gray, fine to medium sand with fine to medium gravel
	DP	SB-7(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse
2							Tan, fine to coarse gravel with fine to coarse sand
4	DP			S	GW-GC		Gray fine to coarse gravel with fine to coarse sand
							Tan gray brown, fine to coarse gravel with fine to medium sand and clay
							Tan, fine to coarse gravel with fine to coarse sand
6							
8	DP			M	GW-GC		Gray to dark gray clay, fine to medium sand with fine to medium gravel
							Tan fine to coarse gravel with fine to coarse sand
10	DP			M	GW		
12							End of boring at 12 feet below ground surface



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BORING NO. SB-8

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-8(0-6")	0	M	SM		Dark gray fine to medium sand
							Light to tan, fine to coarse gravel with fine to coarse sand
	DP	SB-8(6"-2')	0	M	GW		
2							End of boring at 2 feet below ground surface
4							
6							



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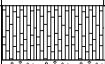
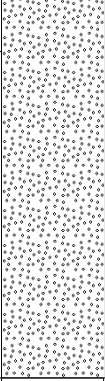
BORING NO. SB-8E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-8E25(0-6")	0	M	SM		Dark gray fine to medium sand
							Gray, fine to coarse gravel with fine to coarse sand
	DP	SB-8E25(6"-2')	0	M	GW		
2							End of boring at 2 feet below ground surface
4							
6							



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 Fax No.: (305) 826 1799

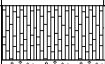
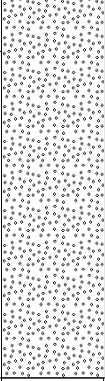
BORING NO. SB-8E50

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-8E50(0-6")	0	M	SM		Dark gray fine to medium sand
	DP	SB-8E50(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-9

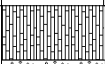
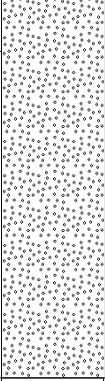
LOCATION

SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-9(0-6")	0	M	SM		Dark gray fine to medium sand
							Gray, fine to coarse gravel with fine to coarse sand
	DP	SB-9(6"-2')	0	M	GW		
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-9E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-9E25(0-6")	0	M	SW		Dark gray fine to medium sand with gravel
							Tan, fine to coarse gravel with fine to coarse sand
	DP	SB-9E25(6"-2')	0	M	GW		
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-9W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/14/17
DATE FINISHED: 6/14/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-9W25(0-6")	0	M	SW		Dark gray fine to medium sand
	DP	SB-9W25(6"-2')	0	M	GW		Tan, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-10

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-10(0-6")	0	M	SW		Dark gray fine to medium sand
	DP	SB-10(6"-2')	0	M	GW		Tan, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-11

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-11(0-6")	0	M	SW		Dark gray fine to medium sand
	DP	SB-11(6"-2')	0	M	GW		Brown, fine to coarse gravel with tan fine to coarse sand
							Tan, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-11E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-11E25(0-6")	0	M	SW		Dark gray fine to medium sand
	DP	SB-11E25(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse sand
						Brown, fine to coarse gravel with tan fine to coarse sand	
						Tan, fine to coarse gravel with tan fine to coarse sand	
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-11W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-11W25(0-6")	0	M	SW		Dark gray, fine to medium sand with with fine to medium gravel
	DP	SB-11W25(6"-2')	0	M	GW		Tan, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-12

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/27/17
DATE FINISHED: 6/27/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	HA	SB-12(0'-6")	0	M	SW		Dark gray, fine to medium sand with with fine to coarse gravel
	HA	SB-12(6"-2')	0	M	GW		Gray, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-12E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-12E25(0-6")	0	M	SW		Dark gray, fine to medium sand with with fine to coarse gravel
	DP	SB-12E25(6"-2')	0	M	GW		Tan to brown, fine to coarse gravel with tan fine to coarse sand
2							Tan, fine to coarse gravel with tan fine to coarse sand
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-12W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-12W25(0'-6")	0	M	SW		Dark gray, fine to medium sand with with fine to coarse gravel
	DP	SB-12W25(6"-2')	0	M	GW		Tan to brown, fine to coarse gravel with tan fine to coarse sand
2							Tan, fine to coarse gravel with tan fine to coarse sand
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-13

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-13(0'-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-13(6"-2')	0	M	GW		Tan, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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 Fax No.: (305) 826 1799

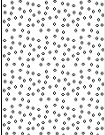

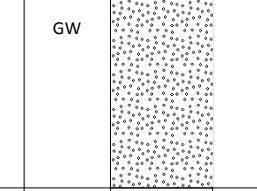
BORING NO. SB-14

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/27/17
DATE FINISHED: 6/27/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	HA	SB-14(0-6")	0	M	SW		Dark gray, fine to medium sand with fine to medium gravel
							Gray to tan, fine to medium sand with gravel
	HA	SB-14(6"-2')	0	M	GW		Tan, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-14E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-14E25(0-6")	0	M	SW		Dark gray, fine to medium sand
							Tan to gray, fine to coarse gravel with fine to coarse sand
	DP	SB-14E25(6"-2')	0	M	GW		Tan to gray, fine to coarse gravel with fine to coarse sand and some gray clay
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-14W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/15/17
DATE FINISHED: 6/15/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-14W25(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-14W25(6"-2')	0	M	GW		Tan, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-15

LOCATION

SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/16/17
DATE FINISHED: 6/16/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-15(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-15(6"-2')	0	M	GW		Tan, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-16

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/27/17
DATE FINISHED: 6/27/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	HA	SB-16(0-6")	0	M	SW		Dark gray, fine to medium sand
							Gray, fine to coarse sand with fine to coarse gravel
	HA	SB-16(6"-2')	0	M	GW		Tan, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-16E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/16/17
DATE FINISHED: 6/16/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-16E25(0-6")	0	M	SW		Dark gray, fine to medium sand with fine to medium gravel
	DP	SB-16E25(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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 Phone No.: (305) 826 5588
 Fax No.: (305) 826 1799

BORING NO. SB-16E50

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/16/17
DATE FINISHED: 6/16/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-16E50(0-6")	0	M	SW		Dark gray, fine to medium sand
							Gray to brown fine to medium sand with fine to coarse gravel
	DP	SB-16E50(6"-2')	0	M	GW		Dark gray, fine to medium gravel with fine to coarse sand
							Tan fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-17

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/27/17
DATE FINISHED: 6/27/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	HA	SB-17(0'-6")	0	M	SW		Dark gray, fine to medium sand
							Gray to brown fine to medium sand with fine to coarse gravel
	HA	SB-17(6"-2')	0	M	GW		Dark gray, fine to medium gravel with fine to coarse sand
							Tan fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-17E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/16/17
DATE FINISHED: 6/16/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-17E25(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-17E25(6"-2')	0	M	GW		Gray, fine to coarse gravel with with fine to coarse sand
2							Tan to gray, fine to coarse gravel with fine to coarse sand
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-17W50

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/16/17
DATE FINISHED: 6/16/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-17W50(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-17W50(6"-2')	0	M	GW		Gray, fine to coarse gravel with with fine to coarse sand
2							Tan to gray, fine to coarse gravel with fine to coarse sand
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-18

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-18(0-6")	0	M	SW		Dark gray, fine to medium sand
	DP	SB-18(6"-2')	0	M	GW		Gray, fine to coarse gravel with with fine to coarse sand
2							Tan to gray, fine to coarse gravel with fine to coarse sand
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-18E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-18E25(0-6")	0	M	SW		Dark gray, fine to medium sand
							Gray, fine to coarse sand with fine to coarse gravel
	DP	SB-18E25(6"-2')	0	M	SW-GW-SM		Tan to brown, fine to coarse gravel with fine to coarse sand
2							Brown, fine sand to medium sand with silt
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-18W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-18W25(0-6")	0	M	SW		Dark gray, fine to medium sand, some fine to medium gravel
							Brown, fine to medium sand with silt, some fine to coarse gravel
	DP	SB-18W25(6"-2')	0	M	SM-GW		Tan, fine to coarse gravel with brown fine to medium sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-19

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	HA	SB-19(0-6")	0	M	GW		Tan, fine to coarse gravel
							Dark gray, gravel and fine to medium sand
							Brown, fine to coarse gravel with fine to coarse sand
	HA	SB-19(6"-2')	0	M	GW		Tan, fine to coarse gravel with brown fine to medium sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-20

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-20(0-6")	0	M	GW		Asphalt
							Tan to gray, fine to coarse gravel and fine to coarse sand
	DP	SB-20(6"-2')	0	M	GW		Tan, fine to coarse gravel with brown fine to coarse sand
2							Tan, fine to coarse gravel with tan fine to coarse sand
							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-20E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-20E25(0-6")	0	M	GW		Asphalt
							Tan to gray, fine to coarse gravel and fine to coarse sand
	DP	SB-20E25(6"-2')	0	M	GW		Tan, fine to coarse gravel with brown fine to coarse sand
							Tan, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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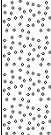

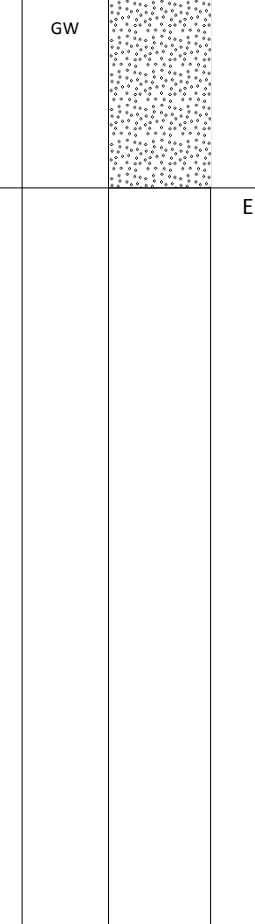
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LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/20/17
DATE FINISHED: 6/20/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. KEARNS
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-20W40(0-6")	0	M	GW		Asphalt
							Tan to brown, fine to coarse gravel and fine to coarse sand
	DP	SB-20W40(6"-2')	0	M	GW		Tan, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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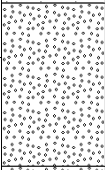
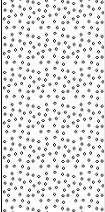
BORING NO. SB-21

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-21(0'-6")	0	M	SW		Dark gray fine to coarse sand with fine to medium gravel
							Tan to gray, fine to coarse gravel and fine to coarse sand
	DP	SB-21(6"-2')	0	M	GW		Brown to gray, fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-22

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-22(0'-6")	0	M	GW		Asphalt
							Tan, fine to coarse gravel and fine to coarse sand
	DP	SB-22(6"-2')	0	M	SM-GW		Gray, fine to medium sand, some clay, some gravel
							Brown fine to medium sand, fine to coarse gravel, some silt
							Tan and brown fine to coarse gravel
2							
4							
6							



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BORING NO. SB-22E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-22E25(0-6")	0	M	GW		Asphalt
							Tan, fine to coarse gravel and fine to coarse sand
	DP	SB-22E25(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse sand
							Brown, fine to coarse gravel with fine to coarse sand
							Tan, fine to coarse gravel with tan fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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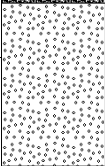
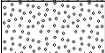
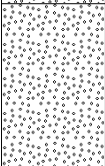
BORING NO. SB-22W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-22W25(0'-6")	0	M	GW		Asphalt
							Tan, fine to coarse gravel and fine to coarse sand
	DP	SB-22W25(6"-2')	0	M	GW		Gray, fine to coarse gravel with fine to coarse sand
							Brown, fine to medium sand with fine to medium gravel, some silt
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-23

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-23(0-6")	0	M	SW-GW		Dark gray, fine to coarse sand with fine to coarse gravel
	DP	SB-23(6"-2')	0	M	GW		Gray, fine to coarse gravel and fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-23E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-23E25(0-6")	0	M	SW		Dark gray, fine to medium sand with little fine to coarse gravel
							Gray fine to coarse sand with fine to coarse gravel
	DP	SB-23E25(6"-2')	0	M	SW-SM-GW		Brown, fine to medium sand with silt
							Tan brown, fine to coarse gravel, brown fine sand, silt
2							End of boring at 2 feet below ground surface
4							
6							



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 Fax No.: (305) 826 1799

BORING NO. SB-23W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-23W25(0'-6")	0	M	GW		Asphalt
							Gray fine to coarse gravel with fine to coarse sand
							Tan to gray, fine to coarse sand some gravel
	DP	SB-23W25(6"-2')	0	M	SW-GW		Dark gray and brown, fine to coarse sand with gravel
							Tan, fine to coarse gravel, fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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BORING NO. SB-24

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-24(0'-6")	0	D	GW		Brown, fine to coarse gravel with brown fine to coarse sand
	DP	SB-24(6"-2')	0	M	GW		Gray fine to coarse gravel with fine to coarse sand
2							End of boring at 2 feet below ground surface
4							
6							



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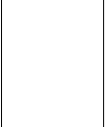
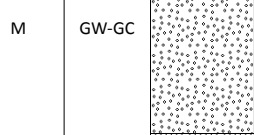
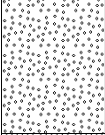

BORING NO. SB-24E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-24E25(0-6")	0	D	SW		Dark gray, fine to medium sand, some coarse gravel
							Tan to gray, fine to coarse gravel with fine to coarse sand
	DP	SB-24E25(6"-2')	0	M	GW-GC		
2							Gray clay with silts and gravel
							End of boring at 2 feet below ground surface
4							
6							



Amec Foster Wheeler Environment & Infrastructure, Inc.
 5845 NW 158th Street
 Miami Lakes, Florida, 33014
 Phone No.: (305) 826 5588
 Fax No.: (305) 826 1799

BORING NO. SB-24W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-24W25(0-6")	0	M	SW		Dark gray, fine to medium sand, some coarse gravel
	DP	SB-24W25(6"-2')	0	M	GW-GC-GW		Tan to gray, fine to coarse gravel with fine to coarse sand
							Gray clay with silts and gravel
2							Tan to gray, fine to coarse gravel with fine to coarse sand
4							
6							



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 Phone No.: (305) 826 5588
 Fax No.: (305) 826 1799

BORING NO. SB-25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-25(0-6")	0	M	SW		Dark brown, fine to medium sand,
	DP	SB-25(6"-2')	0	M	GW-GC-GW		Tan to gray, fine to coarse gravel with fine to coarse sand
							Gray clay with silts and gravel
2							Brown, fine to coarse gravel with tan fine to coarse sand
4							
6							



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 Fax No.: (305) 826 1799

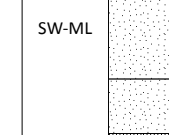
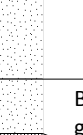

BORING NO. SB-25E25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-25E25(0-6")	0	M	CL		Gray clay
	DP	SB-25E25(6"-2')	0	M	SW-ML		Brown, fine to coarse sand, with tan fine to coarse gravel
							Brown, fine to coarse sand, with tan tan fine to coarse gravel, some roots
2							Dark brown silt
4							
6							



Amec Foster Wheeler Environment & Infrastructure, Inc.
 5845 NW 158th Street
 Miami Lakes, Florida, 33014
 Phone No.: (305) 826 5588
 Fax No.: (305) 826 1799

BORING NO. SB-25W25

LOCATION
SHEET 1 of 1

PROJECT NAME: THE UNDERLINE
PROJECT NUMBER: 6783-17-2970
CLIENT: MIAMI DADE COUNTY DTPW
DRILLING COMPANY: AMEC FOSTER WHEELER
DRILLING METHOD: DIRECT PUSH/HAND AUGER

LOGGED BY: J. BULLEY
PREPARED BY: J. BULLEY
CHECKED BY: A. AITHARAJU
DATE STARTED: 6/21/17
DATE FINISHED: 6/21/17

BOREHOLE DIAMETER: 2.25"
BOREHOLE DEPTH: 2'
APPARENT DTW: NA
DRILLER: M. PICHARDO
DRILLING EQUIP'T: GEOPROBE

DEPTH (FT)	SAMPLE TYPE	LAB SAMPLE	FID(ppmv)	MOISTURE CONTENT	U.S.C.S DESIGNATION	GRAPHIC SYMBOL	DESCRIPTION (odors, staining and other remarks)
0							Ground Surface
	DP	SB-25W25(0'-6")	0	M	SW		Brown, fine to medium sand
	DP	SB-25W25(6"-2')	0	M	GW		Gray, fine to coarse sand, with tan fine to coarse gravel
2							End of boring at 2 feet below ground surface
4							
6							



ATTACHMENT E

SOIL LABORATORY ANALYTICAL RESULTS & CHAIN OF CUSTODY FORM

July 18, 2017

Ash Aitharaju
AMEC Foster Wheeler Environment &
Infrastructure
5845 NW 158th Street
Miami Lakes, FL 33014

RE: Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Dear Ash Aitharaju:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revision 1: SPLP As has been removed from hold for SB-1 (0-6"), SB-1 E25 (6"-2'), SB-2 (6"-2'), SB-3 (6"-2'). TCLP Lead has been removed from hold for SB-3 W25 (6"-2').

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35318456001	SB-1 (0-6")	Solid	06/14/17 12:05	06/15/17 11:30
35318456002	SB-1 (6"-2')	Solid	06/14/17 12:10	06/15/17 11:30
35318456003	SB-1 E25 (0-6")	Solid	06/14/17 12:25	06/15/17 11:30
35318456004	SB-1 E25 (6"-2')	Solid	06/14/17 12:30	06/15/17 11:30
35318456005	SB-1 W25 (0-6")	Solid	06/14/17 11:45	06/15/17 11:30
35318456006	SB-1 W25 (6"-2')	Solid	06/14/17 11:50	06/15/17 11:30
35318456007	SB-2 (0-6")	Solid	06/14/17 11:14	06/15/17 11:30
35318456008	SB-2 (6"-2')	Solid	06/14/17 11:12	06/15/17 11:30
35318456009	SB-3 (0-6")	Solid	06/14/17 13:20	06/15/17 11:30
35318456010	SB-3 (6"-2')	Solid	06/14/17 13:22	06/15/17 11:30
35318456011	SB-3 W25 (0-6")	Solid	06/14/17 13:10	06/15/17 11:30
35318456012	SB-3 W25 (6"-2')	Solid	06/14/17 13:15	06/15/17 11:30
35318456013	SB-3 E50 (0-6")	Solid	06/14/17 13:42	06/15/17 11:30
35318456014	SB-3 E50 (6"-2')	Solid	06/14/17 13:44	06/15/17 11:30
35318456015	SB-8 (0-6")	Solid	06/14/17 15:22	06/15/17 11:30
35318456016	SB-8 (6"-2')	Solid	06/14/17 15:24	06/15/17 11:30
35318456017	SB-8 E25 (0-6")	Solid	06/14/17 15:42	06/15/17 11:30
35318456018	SB-8 E25 (6"-2')	Solid	06/14/17 15:44	06/15/17 11:30
35318456019	SB-8 E50 (0-6")	Solid	06/14/17 15:57	06/15/17 11:30
35318456020	SB-8 E50 (6"-2')	Solid	06/14/17 15:59	06/15/17 11:30
35318456021	SB-9 (0-6")	Solid	06/14/17 17:07	06/15/17 11:30
35318456022	SB-9 (6"-2')	Solid	06/14/17 17:09	06/15/17 11:30
35318456023	SB-9 W25 (0-6")	Solid	06/14/17 16:47	06/15/17 11:30
35318456024	SB-9 W25 (6"-2')	Solid	06/14/17 16:49	06/15/17 11:30
35318456025	SB-9 E25 (0-6")	Solid	06/14/17 17:27	06/15/17 11:30
35318456026	SB-9 E25 (6"-2')	Solid	06/14/17 17:29	06/15/17 11:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318456001	SB-1 (0'-6")	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456002	SB-1 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456003	SB-1 E25 (0'-6")	EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456004	SB-1 E25 (6"-2')	EPA 6010	LEC, RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456005	SB-1 W25 (0'-6")	EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456006	SB-1 W25 (6"-2')	EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456007	SB-2 (0'-6")	FL-PRO	JGW	3	PASI-O
		EPA 6010	RVK	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456008	SB-2 (6"-2')	FL-PRO	JGW	3	PASI-O
		EPA 6010	RVK	7	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318456009	SB-3 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456010	SB-3 (6"-2')	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456011	SB-3 W25 (0-6")	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456012	SB-3 W25 (6"-2')	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456013	SB-3 E50 (0-6")	EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
35318456014	SB-3 E50 (6"-2')	EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
35318456015	SB-8 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456016	SB-8 (6"-2')	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318456017	SB-8 E25 (0-6')	EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456018	SB-8 E25 (6"-2')	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456019	SB-8 E50 (0-6')	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456020	SB-8 E50 (6"-2')	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35318456021	SB-9 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
35318456022	SB-9 (6"-2')	EPA 8270	EAO	21	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456023	SB-9 W25 (0-6")	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456024	SB-9 W25 (6"-2')	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318456025	SB-9 E25 (0-6")	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	BTS, LEC	2	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318456026	SB-9 E25 (6"-2')	EPA 6010	BTS, LEC, RVK	26	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318456001	SB-1 (0-6")					
EPA 6010	Arsenic	7.4	mg/kg	0.51	06/20/17 11:47	
EPA 6010	Lead	166	mg/kg	0.51	06/20/17 11:47	
EPA 6010	Arsenic	0.027	mg/L	0.010	07/08/17 22:48	
EPA 8270	Acenaphthene	0.016 l	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Acenaphthylene	0.11	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Anthracene	0.14	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Benzo(a)anthracene	0.66	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Benzo(a)pyrene	0.74	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Benzo(b)fluoranthene	1.1	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Benzo(g,h,i)perylene	0.52	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Benzo(k)fluoranthene	0.41	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Chrysene	0.68	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Dibenz(a,h)anthracene	0.11	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Fluoranthene	0.88	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Fluorene	0.018 l	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Phenanthrene	0.18	mg/kg	0.037	06/21/17 02:54	
EPA 8270	Pyrene	1.2	mg/kg	0.037	06/21/17 02:54	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	06/22/17 09:36	
35318456002	SB-1 (6"-2')					
EPA 6010	Arsenic	3.4 l	mg/kg	5.8	06/20/17 15:49	D3
EPA 6010	Lead	3.2 l	mg/kg	5.8	06/20/17 15:49	D3
EPA 8270	Benzo(a)anthracene	0.048 l	mg/kg	0.11	06/21/17 03:16	
EPA 8270	Chrysene	0.041 l	mg/kg	0.11	06/21/17 03:16	
EPA 8270	Fluoranthene	0.083 l	mg/kg	0.11	06/21/17 03:16	
EPA 8270	Pyrene	0.12	mg/kg	0.11	06/21/17 03:16	
EPA 8260	Acetone	0.097	mg/kg	0.019	06/17/17 06:06	
ASTM D2974-87	Percent Moisture	13.4	%	0.10	06/22/17 09:36	
35318456003	SB-1 E25 (0-6")					
EPA 6010	Arsenic	3.0	mg/kg	0.56	06/20/17 11:55	
EPA 6010	Lead	55.7	mg/kg	0.56	06/20/17 11:55	
EPA 8270	Acenaphthylene	0.014 l	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Anthracene	0.027 l	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Benzo(a)anthracene	0.12	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Benzo(a)pyrene	0.12	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Benzo(b)fluoranthene	0.16	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Benzo(g,h,i)perylene	0.085	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Benzo(k)fluoranthene	0.11	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Chrysene	0.13	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Dibenz(a,h)anthracene	0.021 l	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Fluoranthene	0.18	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.066	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Phenanthrene	0.060	mg/kg	0.038	06/21/17 03:38	
EPA 8270	Pyrene	0.21	mg/kg	0.038	06/21/17 03:38	
EPA 8260	Acetone	0.062	mg/kg	0.019	06/17/17 06:53	J(D6)
ASTM D2974-87	Percent Moisture	13.3	%	0.10	06/22/17 09:36	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318456004	SB-1 E25 (6"-2')					
EPA 6010	Arsenic	40.0	mg/kg	0.62	06/20/17 12:00	
EPA 6010	Lead	23.1	mg/kg	6.2	06/20/17 16:02	D3
EPA 6010	Arsenic	0.075	mg/L	0.010	07/08/17 22:52	
EPA 8270	Benzo(a)anthracene	0.048	mg/kg	0.13	06/21/17 04:00	
EPA 8270	Benzo(a)pyrene	0.031	mg/kg	0.13	06/21/17 04:00	
EPA 8270	Benzo(k)fluoranthene	0.039	mg/kg	0.13	06/21/17 04:00	
EPA 8270	Chrysene	0.052	mg/kg	0.13	06/21/17 04:00	
EPA 8260	Acetone	0.14	mg/kg	0.026	06/17/17 07:16	
ASTM D2974-87	Percent Moisture	27.3	%	0.10	06/22/17 09:36	
35318456005	SB-1 W25 (0-6")					
EPA 6010	Arsenic	2.0	mg/kg	0.71	06/20/17 21:05	J(R1)
EPA 6010	Lead	14.3	mg/kg	0.71	06/20/17 21:05	J(M1)
EPA 8270	Benzo(a)anthracene	0.013	mg/kg	0.040	06/21/17 04:22	
EPA 8270	Benzo(a)pyrene	0.013	mg/kg	0.040	06/21/17 04:22	
EPA 8270	Benzo(k)fluoranthene	0.011	mg/kg	0.040	06/21/17 04:22	
EPA 8270	Chrysene	0.017	mg/kg	0.040	06/21/17 04:22	
EPA 8270	Fluoranthene	0.019	mg/kg	0.040	06/21/17 04:22	
EPA 8260	Acetone	0.016	mg/kg	0.021	06/17/17 07:39	
ASTM D2974-87	Percent Moisture	16.1	%	0.10	06/22/17 09:36	
35318456006	SB-1 W25 (6"-2')					
EPA 6010	Arsenic	2.6	mg/kg	0.76	06/20/17 21:25	
EPA 6010	Lead	68.3	mg/kg	0.76	06/20/17 21:25	
EPA 8270	Benzo(a)anthracene	0.059	mg/kg	0.12	06/21/17 04:44	
EPA 8270	Benzo(a)pyrene	0.050	mg/kg	0.12	06/21/17 04:44	
EPA 8270	Benzo(k)fluoranthene	0.037	mg/kg	0.12	06/21/17 04:44	
EPA 8270	Chrysene	0.064	mg/kg	0.12	06/21/17 04:44	
EPA 8270	Fluoranthene	0.10	mg/kg	0.12	06/21/17 04:44	
EPA 8270	Phenanthrene	0.050	mg/kg	0.12	06/21/17 04:44	
EPA 8270	Pyrene	0.086	mg/kg	0.12	06/21/17 04:44	
EPA 8260	Acetone	0.19	mg/kg	0.021	06/17/17 08:02	
EPA 8260	Tetrachloroethene	0.0027	mg/kg	0.0052	06/17/17 08:02	
ASTM D2974-87	Percent Moisture	23.0	%	0.10	06/22/17 09:36	
35318456007	SB-2 (0-6")					
FL-PRO	Petroleum Range Organics	58.5	mg/kg	4.2	06/19/17 20:23	
EPA 6010	Arsenic	2.9	mg/kg	4.0	06/20/17 21:31	
EPA 6010	Barium	37.0	mg/kg	4.0	06/20/17 21:31	
EPA 6010	Cadmium	2.0	mg/kg	0.40	06/20/17 21:31	
EPA 6010	Chromium	23.5	mg/kg	2.0	06/20/17 21:31	
EPA 6010	Lead	62.1	mg/kg	4.0	06/20/17 21:31	
EPA 7471	Mercury	0.16	mg/kg	0.012	06/20/17 14:27	
EPA 8270	Acenaphthylene	0.077	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Anthracene	0.078	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Benzo(a)anthracene	0.38	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Benzo(a)pyrene	0.49	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Benzo(b)fluoranthene	1.1	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Benzo(g,h,i)perylene	0.41	mg/kg	0.12	06/21/17 05:06	

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318456007	SB-2 (0-6")					
EPA 8270	Chrysene	0.56	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Dibenz(a,h)anthracene	0.095 l	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Fluoranthene	0.70	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.33	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Phenanthrene	0.15	mg/kg	0.12	06/21/17 05:06	
EPA 8270	Pyrene	0.69	mg/kg	0.12	06/21/17 05:06	
EPA 8260	Acetone	0.11	mg/kg	0.032	06/17/17 08:25	
ASTM D2974-87	Percent Moisture	20.7	%	0.10	06/22/17 09:36	
35318456008	SB-2 (6"-2')					
FL-PRO	Petroleum Range Organics	12.3	mg/kg	3.8	06/19/17 20:23	
EPA 6010	Arsenic	25.5	mg/kg	0.63	06/20/17 21:36	
EPA 6010	Barium	13.5	mg/kg	0.63	06/20/17 21:36	
EPA 6010	Cadmium	0.16	mg/kg	0.063	06/20/17 21:36	
EPA 6010	Chromium	11.2	mg/kg	0.32	06/20/17 21:36	
EPA 6010	Lead	19.8	mg/kg	0.63	06/20/17 21:36	
EPA 6010	Arsenic	0.040	mg/L	0.010	07/08/17 22:57	
EPA 7471	Mercury	0.14	mg/kg	0.010	06/20/17 14:29	
EPA 8270	Acenaphthylene	0.058 l	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Anthracene	0.039 l	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Benzo(a)anthracene	0.11 l	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Benzo(a)pyrene	0.13	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Benzo(b)fluoranthene	0.22	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Benzo(g,h,i)perylene	0.11	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Benzo(k)fluoranthene	0.12	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Chrysene	0.17	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Fluoranthene	0.16	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.083 l	mg/kg	0.11	06/21/17 05:29	
EPA 8270	Pyrene	0.16	mg/kg	0.11	06/21/17 05:29	
EPA 8260	2-Butanone (MEK)	0.15	mg/kg	0.0056	06/17/17 08:48	
EPA 8260	Acetone	1.0	mg/kg	0.57	06/20/17 11:51	
EPA 8260	Ethylbenzene	0.0038 l	mg/kg	0.0056	06/17/17 08:48	
EPA 8260	Styrene	0.040	mg/kg	0.0056	06/17/17 08:48	
EPA 8260	Toluene	0.016	mg/kg	0.0056	06/17/17 08:48	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	06/22/17 09:36	
35318456009	SB-3 (0-6")					
EPA 6010	Arsenic	5.6	mg/kg	0.49	06/20/17 21:41	
EPA 6010	Lead	41.1	mg/kg	0.49	06/20/17 21:41	
EPA 8270	Acenaphthylene	0.050	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Anthracene	0.044	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Benzo(a)anthracene	0.069	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Benzo(a)pyrene	0.074	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Benzo(b)fluoranthene	0.13	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Benzo(g,h,i)perylene	0.067	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Benzo(k)fluoranthene	0.052	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Chrysene	0.092	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Fluoranthene	0.093	mg/kg	0.036	06/20/17 14:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318456009	SB-3 (0-6")					
EPA 8270	Indeno(1,2,3-cd)pyrene	0.053	mg/kg	0.036	06/20/17 14:54	
EPA 8270	1-Methylnaphthalene	0.027 l	mg/kg	0.036	06/20/17 14:54	
EPA 8270	2-Methylnaphthalene	0.033 l	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Naphthalene	0.026 l	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Phenanthrene	0.033 l	mg/kg	0.036	06/20/17 14:54	
EPA 8270	Pyrene	0.098	mg/kg	0.036	06/20/17 14:54	
EPA 8260	Acetone	0.11	mg/kg	0.021	06/17/17 09:11	
ASTM D2974-87	Percent Moisture	7.5	%	0.10	06/22/17 09:36	
35318456010	SB-3 (6"-2')					
EPA 6010	Arsenic	55.4	mg/kg	0.64	06/20/17 21:46	
EPA 6010	Lead	103	mg/kg	0.64	06/20/17 21:46	
EPA 6010	Arsenic	0.063	mg/L	0.010	07/08/17 23:01	
EPA 8270	Acenaphthylene	0.14	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Anthracene	0.14	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Benzo(a)anthracene	0.19	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Benzo(a)pyrene	0.22	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Benzo(b)fluoranthene	0.39	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Benzo(g,h,i)perylene	0.21	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Benzo(k)fluoranthene	0.18	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Chrysene	0.25	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Dibenz(a,h)anthracene	0.053	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Fluoranthene	0.26	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	0.036	06/21/17 00:38	
EPA 8270	1-Methylnaphthalene	0.11	mg/kg	0.036	06/21/17 00:38	
EPA 8270	2-Methylnaphthalene	0.13	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Naphthalene	0.10	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Phenanthrene	0.11	mg/kg	0.036	06/21/17 00:38	
EPA 8270	Pyrene	0.29	mg/kg	0.036	06/21/17 00:38	
EPA 8260	Acetone	0.12	mg/kg	0.026	06/17/17 09:35	
ASTM D2974-87	Percent Moisture	7.7	%	0.10	06/22/17 09:36	
35318456011	SB-3 W25 (0-6")					
EPA 6010	Arsenic	4.2	mg/kg	0.56	06/20/17 22:01	
EPA 6010	Lead	79.2	mg/kg	0.56	06/20/17 22:01	
EPA 8270	Acenaphthene	0.018 l	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Acenaphthylene	0.014 l	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Anthracene	0.066	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Benzo(a)anthracene	0.56	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Benzo(a)pyrene	0.57	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Benzo(b)fluoranthene	0.76	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Benzo(g,h,i)perylene	0.33	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Benzo(k)fluoranthene	0.27	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Chrysene	0.51	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Dibenz(a,h)anthracene	0.11	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Fluoranthene	0.84	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.29	mg/kg	0.036	06/21/17 01:00	
EPA 8270	Phenanthrene	0.18	mg/kg	0.036	06/21/17 01:00	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318456011	SB-3 W25 (0-6")					
EPA 8270	Pyrene	0.74	mg/kg	0.036	06/21/17 01:00	
EPA 8260	Acetone	0.047	mg/kg	0.023	06/17/17 09:58	
ASTM D2974-87	Percent Moisture	9.3	%	0.10	06/22/17 09:36	
35318456012	SB-3 W25 (6"-2)					
EPA 6010	Arsenic	4.4	mg/kg	0.62	06/20/17 22:06	
EPA 6010	Lead	671	mg/kg	0.62	06/20/17 22:06	
EPA 6010	Lead	0.15	mg/L	0.10	07/08/17 22:16	
EPA 8270	Acenaphthylene	0.014 l	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Anthracene	0.014 l	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Benzo(a)anthracene	0.048	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Benzo(a)pyrene	0.041	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Benzo(b)fluoranthene	0.052	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Benzo(g,h,i)perylene	0.036	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Benzo(k)fluoranthene	0.028 l	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Chrysene	0.034 l	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Fluoranthene	0.053	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.028 l	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Phenanthrene	0.028 l	mg/kg	0.035	06/21/17 01:23	
EPA 8270	Pyrene	0.052	mg/kg	0.035	06/21/17 01:23	
EPA 8260	Acetone	0.11	mg/kg	0.023	06/17/17 10:21	
ASTM D2974-87	Percent Moisture	6.3	%	0.10	06/22/17 09:36	
35318456013	SB-3 E50 (0-6")					
EPA 6010	Arsenic	0.82	mg/kg	0.72	06/20/17 22:11	
EPA 6010	Lead	20.0	mg/kg	0.72	06/20/17 22:11	
EPA 8270	Anthracene	0.027 l	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Benzo(a)anthracene	0.11	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Benzo(a)pyrene	0.12	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Benzo(b)fluoranthene	0.15	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Benzo(g,h,i)perylene	0.11	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Benzo(k)fluoranthene	0.10	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Chrysene	0.13	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Fluoranthene	0.23	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.077 l	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Phenanthrene	0.13	mg/kg	0.087	06/21/17 01:46	
EPA 8270	Pyrene	0.17	mg/kg	0.087	06/21/17 01:46	
ASTM D2974-87	Percent Moisture	25.0	%	0.10	06/22/17 09:36	J(D6)
35318456014	SB-3 E50 (6"-2')					
EPA 6010	Arsenic	0.42 l	mg/kg	0.61	06/20/17 22:16	
EPA 6010	Lead	1.5	mg/kg	0.61	06/20/17 22:16	
EPA 8260	Acetone	0.12	mg/kg	0.019	06/17/17 11:07	
ASTM D2974-87	Percent Moisture	4.1	%	0.10	06/22/17 09:36	
35318456015	SB-8 (0-6")					
EPA 6010	Arsenic	4.8	mg/kg	0.77	06/20/17 22:21	
EPA 6010	Lead	16.1	mg/kg	0.77	06/20/17 22:21	
EPA 8270	Anthracene	0.067 l	mg/kg	0.097	06/21/17 02:31	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318456015	SB-8 (0-6")					
EPA 8270	Benzo(a)anthracene	0.15	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Benzo(a)pyrene	0.11	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Benzo(b)fluoranthene	0.20	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Benzo(g,h,i)perylene	0.094 l	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Benzo(k)fluoranthene	0.082 l	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Chrysene	0.10	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Fluoranthene	0.15	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.075 l	mg/kg	0.097	06/21/17 02:31	
EPA 8270	Pyrene	0.17	mg/kg	0.097	06/21/17 02:31	
EPA 8260	Acetone	0.13	mg/kg	0.029	06/20/17 15:52	
ASTM D2974-87	Percent Moisture	32.7	%	0.10	06/22/17 09:36	
35318456016	SB-8 (6"-2')					
EPA 6010	Arsenic	9.1	mg/kg	0.57	06/20/17 22:27	
EPA 6010	Lead	4.1	mg/kg	0.57	06/20/17 22:27	
EPA 6010	Arsenic	0.066	mg/L	0.010	07/13/17 10:45	J(M1)
EPA 8270	Acenaphthylene	0.032 l	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Anthracene	0.026 l	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Benzo(a)anthracene	0.049	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Benzo(a)pyrene	0.056	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Benzo(b)fluoranthene	0.085	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Benzo(g,h,i)perylene	0.041	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Benzo(k)fluoranthene	0.039	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Chrysene	0.044	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Fluoranthene	0.046	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.035 l	mg/kg	0.037	06/21/17 02:53	
EPA 8270	Pyrene	0.056	mg/kg	0.037	06/21/17 02:53	
EPA 8260	Acetone	0.10	mg/kg	0.019	06/17/17 11:54	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	06/22/17 09:36	
35318456017	SB-8 E25 (0-6')					
EPA 6010	Arsenic	3.9	mg/kg	0.68	06/20/17 22:32	
EPA 6010	Lead	20.9	mg/kg	0.68	06/20/17 22:32	
EPA 8270	Acenaphthylene	0.084	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Anthracene	0.085	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Benzo(a)anthracene	0.13	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Benzo(a)pyrene	0.15	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Benzo(b)fluoranthene	0.29	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Benzo(g,h,i)perylene	0.12	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Benzo(k)fluoranthene	0.13	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Chrysene	0.24	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Dibenz(a,h)anthracene	0.038	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Fluoranthene	0.36	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.098	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Naphthalene	0.013 l	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Phenanthrene	0.11	mg/kg	0.037	06/21/17 03:16	
EPA 8270	Pyrene	0.30	mg/kg	0.037	06/21/17 03:16	
EPA 8260	Acetone	0.098	mg/kg	0.020	06/19/17 16:31	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318456017	SB-8 E25 (0-6')					
ASTM D2974-87	Percent Moisture	11.3	%	0.10	06/22/17 09:36	
35318456018	SB-8 E25 (6"-2')					
EPA 6010	Arsenic	18.8	mg/kg	0.60	06/20/17 22:37	
EPA 6010	Lead	12.7	mg/kg	0.60	06/20/17 22:37	
EPA 6010	Arsenic	0.16	mg/L	0.010	07/13/17 11:02	
EPA 8270	Acenaphthene	0.030	l mg/kg	0.035	06/21/17 03:38	
EPA 8270	Acenaphthylene	0.62	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Anthracene	0.58	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Benzo(a)anthracene	1.6	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Benzo(a)pyrene	1.4	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Benzo(b)fluoranthene	2.6	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Benzo(g,h,i)perylene	0.89	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Benzo(k)fluoranthene	1.2	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Chrysene	1.3	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Dibenz(a,h)anthracene	0.34	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Fluoranthene	1.2	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Fluorene	0.039	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.89	mg/kg	0.035	06/21/17 03:38	
EPA 8270	1-Methylnaphthalene	0.017	l mg/kg	0.035	06/21/17 03:38	
EPA 8270	2-Methylnaphthalene	0.035	l mg/kg	0.035	06/21/17 03:38	
EPA 8270	Naphthalene	0.065	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Phenanthrene	0.13	mg/kg	0.035	06/21/17 03:38	
EPA 8270	Pyrene	1.4	mg/kg	0.035	06/21/17 03:38	
EPA 8260	Acetone	0.084	mg/kg	0.019	06/19/17 16:54	
ASTM D2974-87	Percent Moisture	6.5	%	0.10	06/22/17 09:36	
35318456019	SB-8 E50 (0-6')					
EPA 6010	Arsenic	3.8	mg/kg	0.55	06/20/17 22:42	
EPA 6010	Lead	21.9	mg/kg	0.55	06/20/17 22:42	
EPA 8270	Acenaphthylene	0.11	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Anthracene	0.094	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Benzo(a)anthracene	0.14	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Benzo(a)pyrene	0.18	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Benzo(b)fluoranthene	0.29	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Benzo(g,h,i)perylene	0.13	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Benzo(k)fluoranthene	0.12	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Chrysene	0.12	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Dibenz(a,h)anthracene	0.040	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Fluoranthene	0.16	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	0.037	06/21/17 04:01	
EPA 8270	Phenanthrene	0.020	l mg/kg	0.037	06/21/17 04:01	
EPA 8270	Pyrene	0.19	mg/kg	0.037	06/21/17 04:01	
EPA 8260	Acetone	0.017	mg/kg	0.012	06/19/17 17:17	
ASTM D2974-87	Percent Moisture	11.0	%	0.10	06/22/17 09:36	
35318456020	SB-8 E50 (6"-2')					
EPA 6010	Arsenic	21.9	mg/kg	0.70	06/20/17 22:47	
EPA 6010	Lead	3.6	mg/kg	0.70	06/20/17 22:47	

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318456020	SB-8 E50 (6"-2')					
EPA 6010	Arsenic	0.076	mg/L	0.010	07/13/17 14:49	
EPA 8270	Acenaphthylene	0.16	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Anthracene	0.14	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Benzo(a)anthracene	0.26	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Benzo(a)pyrene	0.29	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Benzo(b)fluoranthene	0.45	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Benzo(g,h,i)perylene	0.19	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Benzo(k)fluoranthene	0.21	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Chrysene	0.19	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Dibenz(a,h)anthracene	0.062 l	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Fluoranthene	0.21	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	0.082	06/21/17 04:24	
EPA 8270	Pyrene	0.25	mg/kg	0.082	06/21/17 04:24	
EPA 8260	Acetone	0.073	mg/kg	0.020	06/19/17 17:40	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	06/22/17 09:36	
35318456021	SB-9 (0-6")					
EPA 6010	Arsenic	8.4	mg/kg	0.68	06/20/17 23:02	
EPA 6010	Lead	12.4	mg/kg	0.68	06/20/17 23:02	
EPA 6010	Arsenic	0.010 l	mg/L	0.010	07/13/17 14:53	
EPA 8270	Acenaphthylene	0.042	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Anthracene	0.040	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Benzo(a)anthracene	0.058	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Benzo(a)pyrene	0.068	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Benzo(b)fluoranthene	0.13	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Benzo(g,h,i)perylene	0.053	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Benzo(k)fluoranthene	0.051	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Chrysene	0.058	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Fluoranthene	0.071	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.043	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Phenanthrene	0.016 l	mg/kg	0.039	06/21/17 04:46	
EPA 8270	Pyrene	0.073	mg/kg	0.039	06/21/17 04:46	
EPA 8260	Acetone	0.046	mg/kg	0.020	06/19/17 18:03	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	06/22/17 09:36	
35318456022	SB-9 (6"-2')					
EPA 6010	Arsenic	10.9	mg/kg	0.66	06/20/17 23:07	
EPA 6010	Arsenic	0.050	mg/L	0.010	07/13/17 14:57	
EPA 8260	Acetone	0.030	mg/kg	0.017	06/19/17 18:27	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	06/22/17 09:36	J(D6)
35318456023	SB-9 W25 (0-6")					
EPA 6010	Arsenic	4.1	mg/kg	0.71	06/20/17 23:13	
EPA 6010	Lead	9.1	mg/kg	0.71	06/20/17 23:13	
EPA 8270	Acenaphthylene	0.040 l	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Anthracene	0.032 l	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Benzo(a)anthracene	0.059	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Benzo(a)pyrene	0.063	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Benzo(b)fluoranthene	0.12	mg/kg	0.042	06/21/17 05:32	

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318456023	SB-9 W25 (0-6")					
EPA 8270	Benzo(g,h,i)perylene	0.053	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Benzo(k)fluoranthene	0.037 I	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Chrysene	0.056	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Fluoranthene	0.066	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	0.042	06/21/17 05:32	
EPA 8270	Pyrene	0.071	mg/kg	0.042	06/21/17 05:32	
ASTM D2974-87	Percent Moisture	21.3	%	0.10	06/22/17 09:36	
35318456024	SB-9 W25 (6"-2')					
EPA 6010	Arsenic	0.31 I	mg/kg	0.61	06/21/17 19:52	
EPA 8260	Acetone	0.034	mg/kg	0.021	06/19/17 19:13	
ASTM D2974-87	Percent Moisture	17.2	%	0.10	06/22/17 09:36	
35318456025	SB-9 E25 (0-6")					
EPA 6010	Arsenic	1.7	mg/kg	0.60	06/20/17 13:24	J(M1),J(R1)
EPA 6010	Lead	9.7	mg/kg	3.0	06/21/17 02:56	D3,J(M1),J(R1)
EPA 8270	Benzo(a)anthracene	0.028 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Benzo(a)pyrene	0.024 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Benzo(b)fluoranthene	0.046	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Benzo(g,h,i)perylene	0.027 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Benzo(k)fluoranthene	0.012 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Chrysene	0.025 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Fluoranthene	0.033 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.020 I	mg/kg	0.039	06/21/17 06:17	
EPA 8270	Pyrene	0.031 I	mg/kg	0.039	06/21/17 06:17	
ASTM D2974-87	Percent Moisture	15.5	%	0.10	06/22/17 09:36	
35318456026	SB-9 E25 (6"-2')					
EPA 6010	Aluminum	311	mg/kg	6.3	06/20/17 16:11	
EPA 6010	Barium	6.7	mg/kg	0.63	06/20/17 16:11	
EPA 6010	Calcium	329000	mg/kg	31700	06/21/17 18:19	
EPA 6010	Chromium	3.3	mg/kg	0.32	06/20/17 16:11	
EPA 6010	Copper	2.1	mg/kg	1.6	06/21/17 03:00	D3
EPA 6010	Iron	395	mg/kg	12.7	06/21/17 03:00	D3
EPA 6010	Magnesium	498	mg/kg	31.7	06/20/17 16:11	
EPA 6010	Manganese	4.0	mg/kg	1.6	06/21/17 03:00	D3
EPA 6010	Sodium	569	mg/kg	317	06/21/17 03:00	D3
EPA 6010	Strontium	3820	mg/kg	6.3	06/21/17 13:03	
EPA 6010	Zinc	6.7	mg/kg	6.3	06/21/17 03:00	D3
EPA 8260	Acetone	0.22	mg/kg	0.021	06/19/17 19:59	
EPA 8260	p-Isopropyltoluene	0.0050 I	mg/kg	0.0053	06/19/17 19:59	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	06/22/17 09:36	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 (0-6") **Lab ID: 35318456001** Collected: 06/14/17 12:05 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.4	mg/kg	0.51	0.25	1	06/18/17 15:50	06/20/17 11:47	7440-38-2	
Lead	166	mg/kg	0.51	0.25	1	06/18/17 15:50	06/20/17 11:47	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.027	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:48	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 I	mg/kg	0.037	0.014	1	06/19/17 05:35	06/21/17 02:54	83-32-9	
Acenaphthylene	0.11	mg/kg	0.037	0.012	1	06/19/17 05:35	06/21/17 02:54	208-96-8	
Anthracene	0.14	mg/kg	0.037	0.011	1	06/19/17 05:35	06/21/17 02:54	120-12-7	
Benzo(a)anthracene	0.66	mg/kg	0.037	0.011	1	06/19/17 05:35	06/21/17 02:54	56-55-3	
Benzo(a)pyrene	0.74	mg/kg	0.037	0.0043	1	06/19/17 05:35	06/21/17 02:54	50-32-8	
Benzo(b)fluoranthene	1.1	mg/kg	0.037	0.028	1	06/19/17 05:35	06/21/17 02:54	205-99-2	
Benzo(g,h,i)perylene	0.52	mg/kg	0.037	0.013	1	06/19/17 05:35	06/21/17 02:54	191-24-2	
Benzo(k)fluoranthene	0.41	mg/kg	0.037	0.0080	1	06/19/17 05:35	06/21/17 02:54	207-08-9	
Chrysene	0.68	mg/kg	0.037	0.013	1	06/19/17 05:35	06/21/17 02:54	218-01-9	
Dibenz(a,h)anthracene	0.11	mg/kg	0.037	0.019	1	06/19/17 05:35	06/21/17 02:54	53-70-3	
Fluoranthene	0.88	mg/kg	0.037	0.012	1	06/19/17 05:35	06/21/17 02:54	206-44-0	
Fluorene	0.018 I	mg/kg	0.037	0.017	1	06/19/17 05:35	06/21/17 02:54	86-73-7	
Indeno(1,2,3-cd)pyrene	0.43	mg/kg	0.037	0.019	1	06/19/17 05:35	06/21/17 02:54	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 05:35	06/21/17 02:54	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/19/17 05:35	06/21/17 02:54	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/19/17 05:35	06/21/17 02:54	91-20-3	
Phenanthrene	0.18	mg/kg	0.037	0.014	1	06/19/17 05:35	06/21/17 02:54	85-01-8	
Pyrene	1.2	mg/kg	0.037	0.019	1	06/19/17 05:35	06/21/17 02:54	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	62	%	16-123		1	06/19/17 05:35	06/21/17 02:54	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/19/17 05:35	06/21/17 02:54	321-60-8	
Terphenyl-d14 (S)	60	%	38-138		1	06/19/17 05:35	06/21/17 02:54	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/17/17 05:20	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/17/17 05:20	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/17/17 05:20	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 (0-6") **Lab ID: 35318456001** Collected: 06/14/17 12:05 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/17/17 05:20	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/17/17 05:20	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	108-10-1	
Acetone	0.0099 U	mg/kg	0.020	0.0099	1		06/17/17 05:20	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/17/17 05:20	75-05-8	
Benzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	75-25-2	J(L2)
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/17/17 05:20	75-00-3	
Chloroform	0.0029 U	mg/kg	0.0050	0.0029	1		06/17/17 05:20	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/17/17 05:20	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	74-95-3	
Dichlorodifluoromethane	0.0026 U	mg/kg	0.0050	0.0026	1		06/17/17 05:20	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/17/17 05:20	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/17/17 05:20	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/17/17 05:20	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/17/17 05:20	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/17/17 05:20	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/17/17 05:20	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/17/17 05:20	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.0099	0.0051	1		06/17/17 05:20	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 (0-6") **Lab ID: 35318456001** Collected: 06/14/17 12:05 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/17/17 05:20	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/17/17 05:20	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/17/17 05:20	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/17/17 05:20	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/17/17 05:20	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/17/17 05:20	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0050	0.0030	1		06/17/17 05:20	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/17/17 05:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 05:20	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/17/17 05:20	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 05:20	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.2	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 (6"-2') Lab ID: 35318456002 Collected: 06/14/17 12:10 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.4 I	mg/kg	5.8	2.9	10	06/18/17 15:50	06/20/17 15:49	7440-38-2	D3
Lead	3.2 I	mg/kg	5.8	2.9	10	06/18/17 15:50	06/20/17 15:49	7439-92-1	D3
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.042 U	mg/kg	0.11	0.042	1	06/19/17 05:35	06/21/17 03:16	83-32-9	
Acenaphthylene	0.035 U	mg/kg	0.11	0.035	1	06/19/17 05:35	06/21/17 03:16	208-96-8	
Anthracene	0.035 U	mg/kg	0.11	0.035	1	06/19/17 05:35	06/21/17 03:16	120-12-7	
Benzo(a)anthracene	0.048 I	mg/kg	0.11	0.033	1	06/19/17 05:35	06/21/17 03:16	56-55-3	
Benzo(a)pyrene	0.013 U	mg/kg	0.11	0.013	1	06/19/17 05:35	06/21/17 03:16	50-32-8	
Benzo(b)fluoranthene	0.086 U	mg/kg	0.11	0.086	1	06/19/17 05:35	06/21/17 03:16	205-99-2	
Benzo(g,h,i)perylene	0.041 U	mg/kg	0.11	0.041	1	06/19/17 05:35	06/21/17 03:16	191-24-2	
Benzo(k)fluoranthene	0.025 U	mg/kg	0.11	0.025	1	06/19/17 05:35	06/21/17 03:16	207-08-9	
Chrysene	0.041 I	mg/kg	0.11	0.041	1	06/19/17 05:35	06/21/17 03:16	218-01-9	
Dibenz(a,h)anthracene	0.057 U	mg/kg	0.11	0.057	1	06/19/17 05:35	06/21/17 03:16	53-70-3	
Fluoranthene	0.083 I	mg/kg	0.11	0.037	1	06/19/17 05:35	06/21/17 03:16	206-44-0	
Fluorene	0.051 U	mg/kg	0.11	0.051	1	06/19/17 05:35	06/21/17 03:16	86-73-7	
Indeno(1,2,3-cd)pyrene	0.057 U	mg/kg	0.11	0.057	1	06/19/17 05:35	06/21/17 03:16	193-39-5	
1-Methylnaphthalene	0.040 U	mg/kg	0.11	0.040	1	06/19/17 05:35	06/21/17 03:16	90-12-0	
2-Methylnaphthalene	0.046 U	mg/kg	0.11	0.046	1	06/19/17 05:35	06/21/17 03:16	91-57-6	
Naphthalene	0.037 U	mg/kg	0.11	0.037	1	06/19/17 05:35	06/21/17 03:16	91-20-3	
Phenanthrene	0.043 U	mg/kg	0.11	0.043	1	06/19/17 05:35	06/21/17 03:16	85-01-8	
Pyrene	0.12	mg/kg	0.11	0.057	1	06/19/17 05:35	06/21/17 03:16	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	16-123		1	06/19/17 05:35	06/21/17 03:16	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/19/17 05:35	06/21/17 03:16	321-60-8	
Terphenyl-d14 (S)	64	%	38-138		1	06/19/17 05:35	06/21/17 03:16	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	630-20-6	J(M1)
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 06:06	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	79-34-5	J(M1)
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 06:06	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	87-61-6	J(M1)
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	526-73-8	J(M1), N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	120-82-1	J(M1)
1,2,4-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	95-63-6	J(M1)
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	95-50-1	J(M1)
1,2-Dichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	108-67-8	J(M1)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 (6"-2')** Lab ID: **35318456002** Collected: 06/14/17 12:10 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	541-73-1	J(M1)
1,3-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	106-46-7	J(M1)
2,2-Dichloropropane	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 06:06	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	95-49-8	J(M1)
2-Hexanone	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	106-43-4	J(M1)
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	108-10-1	
Acetone	0.097	mg/kg	0.019	0.0095	1		06/17/17 06:06	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.047	0.024	1		06/17/17 06:06	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	75-25-2	J(L2), J(M0)
Bromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	108-90-7	J(M1)
Chloroethane	0.0034 U	mg/kg	0.0047	0.0034	1		06/17/17 06:06	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 06:06	67-66-3	
Chloromethane	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 06:06	75-71-8	J(M1)
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	100-41-4	J(M1)
Iodomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	74-88-4	
Isopropylbenzene (Cumene)	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 06:06	98-82-8	J(M1)
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	75-09-2	
Styrene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	127-18-4	
Toluene	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 06:06	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 06:06	75-69-4	J(M1)
Vinyl acetate	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 06:06	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/17/17 06:06	1330-20-7	MS
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0095	0.0049	1		06/17/17 06:06	179601-23-1	J(M1)
n-Butylbenzene	0.0029 U	mg/kg	0.0047	0.0029	1		06/17/17 06:06	104-51-8	J(M1)
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 06:06	103-65-1	J(M1)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 (6"-2') **Lab ID: 35318456002** Collected: 06/14/17 12:10 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	95-47-6	J(M1)
p-Isopropyltoluene	0.0029 U	mg/kg	0.0047	0.0029	1		06/17/17 06:06	99-87-6	J(M1)
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	135-98-8	J(M1)
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 06:06	98-06-6	J(M1)
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0047	0.0029	1		06/17/17 06:06	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 06:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/17/17 06:06	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	80-131		1		06/17/17 06:06	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 06:06	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.4	%	0.10	0.10	1		06/22/17 09:36		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 E25 (0-6")** Lab ID: **35318456003** Collected: 06/14/17 12:25 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.0	mg/kg	0.56	0.28	1	06/18/17 15:50	06/20/17 11:55	7440-38-2	
Lead	55.7	mg/kg	0.56	0.28	1	06/18/17 15:50	06/20/17 11:55	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/19/17 05:35	06/21/17 03:38	83-32-9	
Acenaphthylene	0.014 I	mg/kg	0.038	0.012	1	06/19/17 05:35	06/21/17 03:38	208-96-8	
Anthracene	0.027 I	mg/kg	0.038	0.012	1	06/19/17 05:35	06/21/17 03:38	120-12-7	
Benzo(a)anthracene	0.12	mg/kg	0.038	0.011	1	06/19/17 05:35	06/21/17 03:38	56-55-3	
Benzo(a)pyrene	0.12	mg/kg	0.038	0.0045	1	06/19/17 05:35	06/21/17 03:38	50-32-8	
Benzo(b)fluoranthene	0.16	mg/kg	0.038	0.029	1	06/19/17 05:35	06/21/17 03:38	205-99-2	
Benzo(g,h,i)perylene	0.085	mg/kg	0.038	0.014	1	06/19/17 05:35	06/21/17 03:38	191-24-2	
Benzo(k)fluoranthene	0.11	mg/kg	0.038	0.0083	1	06/19/17 05:35	06/21/17 03:38	207-08-9	
Chrysene	0.13	mg/kg	0.038	0.014	1	06/19/17 05:35	06/21/17 03:38	218-01-9	
Dibenz(a,h)anthracene	0.021 I	mg/kg	0.038	0.019	1	06/19/17 05:35	06/21/17 03:38	53-70-3	
Fluoranthene	0.18	mg/kg	0.038	0.013	1	06/19/17 05:35	06/21/17 03:38	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/19/17 05:35	06/21/17 03:38	86-73-7	
Indeno(1,2,3-cd)pyrene	0.066	mg/kg	0.038	0.019	1	06/19/17 05:35	06/21/17 03:38	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.038	0.014	1	06/19/17 05:35	06/21/17 03:38	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.038	0.016	1	06/19/17 05:35	06/21/17 03:38	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/19/17 05:35	06/21/17 03:38	91-20-3	
Phenanthrene	0.060	mg/kg	0.038	0.015	1	06/19/17 05:35	06/21/17 03:38	85-01-8	
Pyrene	0.21	mg/kg	0.038	0.019	1	06/19/17 05:35	06/21/17 03:38	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	65	%	16-123		1	06/19/17 05:35	06/21/17 03:38	4165-60-0	
2-Fluorobiphenyl (S)	55	%	32-129		1	06/19/17 05:35	06/21/17 03:38	321-60-8	
Terphenyl-d14 (S)	42	%	38-138		1	06/19/17 05:35	06/21/17 03:38	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/17/17 06:53	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/17/17 06:53	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	120-82-1	
1,2,4-Trimethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/17/17 06:53	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	95-50-1	
1,2-Dichloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/17/17 06:53	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 E25 (0-6")** Lab ID: **35318456003** Collected: 06/14/17 12:25 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0048	0.0025	1		06/17/17 06:53	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	108-10-1	
Acetone	0.062	mg/kg	0.019	0.0095	1		06/17/17 06:53	67-64-1	J(D6)
Acetonitrile	0.024 U	mg/kg	0.048	0.024	1		06/17/17 06:53	75-05-8	
Benzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	75-25-2	J(L2)
Bromomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0048	0.0034	1		06/17/17 06:53	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0048	0.0028	1		06/17/17 06:53	67-66-3	
Chloromethane	0.0027 U	mg/kg	0.0048	0.0027	1		06/17/17 06:53	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0048	0.0025	1		06/17/17 06:53	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/17/17 06:53	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	74-88-4	
Isopropylbenzene (Cumene)	0.0028 U	mg/kg	0.0048	0.0028	1		06/17/17 06:53	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	75-09-2	
Styrene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	127-18-4	
Toluene	0.0026 U	mg/kg	0.0048	0.0026	1		06/17/17 06:53	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0048	0.0027	1		06/17/17 06:53	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/17/17 06:53	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0048	0.0026	1		06/17/17 06:53	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/17/17 06:53	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0095	0.0049	1		06/17/17 06:53	179601-23-1	
n-Butylbenzene	0.0029 U	mg/kg	0.0048	0.0029	1		06/17/17 06:53	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0048	0.0025	1		06/17/17 06:53	103-65-1	
o-Xylene	0.0025 U	mg/kg	0.0048	0.0025	1		06/17/17 06:53	95-47-6	
p-Isopropyltoluene	0.0029 U	mg/kg	0.0048	0.0029	1		06/17/17 06:53	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 E25 (0-6") **Lab ID: 35318456003** Collected: 06/14/17 12:25 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/17/17 06:53	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/17/17 06:53	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0048	0.0029	1		06/17/17 06:53	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/17/17 06:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 06:53	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/17/17 06:53	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 06:53	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.3	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 E25 (6"-2')** Lab ID: **35318456004** Collected: 06/14/17 12:30 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	40.0	mg/kg	0.62	0.31	1	06/18/17 15:50	06/20/17 12:00	7440-38-2	
Lead	23.1	mg/kg	6.2	3.1	10	06/18/17 15:50	06/20/17 16:02	7439-92-1	D3
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.075	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:52	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.048 U	mg/kg	0.13	0.048	1	06/19/17 05:35	06/21/17 04:00	83-32-9	
Acenaphthylene	0.041 U	mg/kg	0.13	0.041	1	06/19/17 05:35	06/21/17 04:00	208-96-8	
Anthracene	0.040 U	mg/kg	0.13	0.040	1	06/19/17 05:35	06/21/17 04:00	120-12-7	
Benzo(a)anthracene	0.048 I	mg/kg	0.13	0.038	1	06/19/17 05:35	06/21/17 04:00	56-55-3	
Benzo(a)pyrene	0.031 I	mg/kg	0.13	0.015	1	06/19/17 05:35	06/21/17 04:00	50-32-8	
Benzo(b)fluoranthene	0.099 U	mg/kg	0.13	0.099	1	06/19/17 05:35	06/21/17 04:00	205-99-2	
Benzo(g,h,i)perylene	0.047 U	mg/kg	0.13	0.047	1	06/19/17 05:35	06/21/17 04:00	191-24-2	
Benzo(k)fluoranthene	0.039 I	mg/kg	0.13	0.028	1	06/19/17 05:35	06/21/17 04:00	207-08-9	
Chrysene	0.052 I	mg/kg	0.13	0.047	1	06/19/17 05:35	06/21/17 04:00	218-01-9	
Dibenz(a,h)anthracene	0.066 U	mg/kg	0.13	0.066	1	06/19/17 05:35	06/21/17 04:00	53-70-3	
Fluoranthene	0.043 U	mg/kg	0.13	0.043	1	06/19/17 05:35	06/21/17 04:00	206-44-0	
Fluorene	0.059 U	mg/kg	0.13	0.059	1	06/19/17 05:35	06/21/17 04:00	86-73-7	
Indeno(1,2,3-cd)pyrene	0.066 U	mg/kg	0.13	0.066	1	06/19/17 05:35	06/21/17 04:00	193-39-5	
1-Methylnaphthalene	0.047 U	mg/kg	0.13	0.047	1	06/19/17 05:35	06/21/17 04:00	90-12-0	
2-Methylnaphthalene	0.053 U	mg/kg	0.13	0.053	1	06/19/17 05:35	06/21/17 04:00	91-57-6	
Naphthalene	0.043 U	mg/kg	0.13	0.043	1	06/19/17 05:35	06/21/17 04:00	91-20-3	
Phenanthrene	0.050 U	mg/kg	0.13	0.050	1	06/19/17 05:35	06/21/17 04:00	85-01-8	
Pyrene	0.066 U	mg/kg	0.13	0.066	1	06/19/17 05:35	06/21/17 04:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/19/17 05:35	06/21/17 04:00	4165-60-0	
2-Fluorobiphenyl (S)	70	%	32-129		1	06/19/17 05:35	06/21/17 04:00	321-60-8	
Terphenyl-d14 (S)	36	%	38-138		1	06/19/17 05:35	06/21/17 04:00	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	630-20-6	
1,1,1-Trichloroethane	0.0036 U	mg/kg	0.0065	0.0036	1		06/17/17 07:16	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/17/17 07:16	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	75-35-4	
1,1-Dichloropropene	0.0033 U	mg/kg	0.0065	0.0033	1		06/17/17 07:16	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	120-82-1	
1,2,4-Trimethylbenzene	0.0036 U	mg/kg	0.0065	0.0036	1		06/17/17 07:16	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 E25 (6"-2') **Lab ID: 35318456004** Collected: 06/14/17 12:30 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	78-87-5	
1,3,5-Trimethylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/17/17 07:16	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	541-73-1	
1,3-Dichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	106-46-7	
2,2-Dichloropropane	0.0034 U	mg/kg	0.0065	0.0034	1		06/17/17 07:16	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	78-93-3	
2-Chlorotoluene	0.0033 U	mg/kg	0.0065	0.0033	1		06/17/17 07:16	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	108-10-1	
Acetone	0.14	mg/kg	0.026	0.013	1		06/17/17 07:16	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.065	0.032	1		06/17/17 07:16	75-05-8	
Benzene	0.0033 U	mg/kg	0.0065	0.0033	1		06/17/17 07:16	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	75-25-2	J(L2)
Bromomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	108-90-7	
Chloroethane	0.0047 U	mg/kg	0.0065	0.0047	1		06/17/17 07:16	75-00-3	
Chloroform	0.0038 U	mg/kg	0.0065	0.0038	1		06/17/17 07:16	67-66-3	
Chloromethane	0.0036 U	mg/kg	0.0065	0.0036	1		06/17/17 07:16	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	74-95-3	
Dichlorodifluoromethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/17/17 07:16	75-71-8	
Ethylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/17/17 07:16	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	74-88-4	
Isopropylbenzene (Cumene)	0.0038 U	mg/kg	0.0065	0.0038	1		06/17/17 07:16	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	75-09-2	
Styrene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	127-18-4	
Toluene	0.0035 U	mg/kg	0.0065	0.0035	1		06/17/17 07:16	108-88-3	
Trichloroethene	0.0037 U	mg/kg	0.0065	0.0037	1		06/17/17 07:16	79-01-6	
Trichlorofluoromethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/17/17 07:16	75-69-4	
Vinyl acetate	0.0033 U	mg/kg	0.0065	0.0033	1		06/17/17 07:16	108-05-4	
Vinyl chloride	0.0035 U	mg/kg	0.0065	0.0035	1		06/17/17 07:16	75-01-4	
Xylene (Total)	0.0067 U	mg/kg	0.019	0.0067	1		06/17/17 07:16	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	10061-01-5	
m&p-Xylene	0.0067 U	mg/kg	0.013	0.0067	1		06/17/17 07:16	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 E25 (6"-2') **Lab ID: 35318456004** Collected: 06/14/17 12:30 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0039 U	mg/kg	0.0065	0.0039	1		06/17/17 07:16	104-51-8	
n-Propylbenzene	0.0034 U	mg/kg	0.0065	0.0034	1		06/17/17 07:16	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0065	0.0033	1		06/17/17 07:16	95-47-6	
p-Isopropyltoluene	0.0039 U	mg/kg	0.0065	0.0039	1		06/17/17 07:16	99-87-6	
sec-Butylbenzene	0.0038 U	mg/kg	0.0065	0.0038	1		06/17/17 07:16	135-98-8	
tert-Butylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/17/17 07:16	98-06-6	
trans-1,2-Dichloroethene	0.0040 U	mg/kg	0.0065	0.0040	1		06/17/17 07:16	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0065	0.0032	1		06/17/17 07:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 07:16	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/17/17 07:16	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/17/17 07:16	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	27.3	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 W25 (0-6")** Lab ID: **35318456005** Collected: 06/14/17 11:45 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.0	mg/kg	0.71	0.35	1	06/19/17 16:45	06/20/17 21:05	7440-38-2	J(R1)
Lead	14.3	mg/kg	0.71	0.35	1	06/19/17 16:45	06/20/17 21:05	7439-92-1	J(M1)
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.040	0.014	1	06/19/17 05:35	06/21/17 04:22	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.040	0.012	1	06/19/17 05:35	06/21/17 04:22	208-96-8	
Anthracene	0.012 U	mg/kg	0.040	0.012	1	06/19/17 05:35	06/21/17 04:22	120-12-7	
Benzo(a)anthracene	0.013 I	mg/kg	0.040	0.011	1	06/19/17 05:35	06/21/17 04:22	56-55-3	
Benzo(a)pyrene	0.013 I	mg/kg	0.040	0.0046	1	06/19/17 05:35	06/21/17 04:22	50-32-8	
Benzo(b)fluoranthene	0.030 U	mg/kg	0.040	0.030	1	06/19/17 05:35	06/21/17 04:22	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.040	0.014	1	06/19/17 05:35	06/21/17 04:22	191-24-2	
Benzo(k)fluoranthene	0.011 I	mg/kg	0.040	0.0086	1	06/19/17 05:35	06/21/17 04:22	207-08-9	
Chrysene	0.017 I	mg/kg	0.040	0.014	1	06/19/17 05:35	06/21/17 04:22	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.040	0.020	1	06/19/17 05:35	06/21/17 04:22	53-70-3	
Fluoranthene	0.019 I	mg/kg	0.040	0.013	1	06/19/17 05:35	06/21/17 04:22	206-44-0	
Fluorene	0.018 U	mg/kg	0.040	0.018	1	06/19/17 05:35	06/21/17 04:22	86-73-7	
Indeno(1,2,3-cd)pyrene	0.020 U	mg/kg	0.040	0.020	1	06/19/17 05:35	06/21/17 04:22	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.040	0.014	1	06/19/17 05:35	06/21/17 04:22	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.040	0.016	1	06/19/17 05:35	06/21/17 04:22	91-57-6	
Naphthalene	0.013 U	mg/kg	0.040	0.013	1	06/19/17 05:35	06/21/17 04:22	91-20-3	
Phenanthrene	0.015 U	mg/kg	0.040	0.015	1	06/19/17 05:35	06/21/17 04:22	85-01-8	
Pyrene	0.020 U	mg/kg	0.040	0.020	1	06/19/17 05:35	06/21/17 04:22	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	62	%	16-123		1	06/19/17 05:35	06/21/17 04:22	4165-60-0	
2-Fluorobiphenyl (S)	60	%	32-129		1	06/19/17 05:35	06/21/17 04:22	321-60-8	
Terphenyl-d14 (S)	51	%	38-138		1	06/19/17 05:35	06/21/17 04:22	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/17/17 07:39	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/17/17 07:39	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/17/17 07:39	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0053	0.0029	1		06/17/17 07:39	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/17/17 07:39	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 W25 (0-6")** Lab ID: **35318456005** Collected: 06/14/17 11:45 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/17/17 07:39	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	108-10-1	
Acetone	0.016 I	mg/kg	0.021	0.011	1		06/17/17 07:39	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.053	0.026	1		06/17/17 07:39	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/17/17 07:39	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/17/17 07:39	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0053	0.0031	1		06/17/17 07:39	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/17/17 07:39	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/17/17 07:39	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/17/17 07:39	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0053	0.0030	1		06/17/17 07:39	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	75-09-2	
Styrene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	127-18-4	
Toluene	0.0028 U	mg/kg	0.0053	0.0028	1		06/17/17 07:39	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/17/17 07:39	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/17/17 07:39	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0053	0.0028	1		06/17/17 07:39	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/17/17 07:39	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.011	0.0054	1		06/17/17 07:39	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/17/17 07:39	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/17/17 07:39	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/17/17 07:39	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/17/17 07:39	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 W25 (0-6") **Lab ID: 35318456005** Collected: 06/14/17 11:45 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/17/17 07:39	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/17/17 07:39	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0053	0.0032	1		06/17/17 07:39	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/17/17 07:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/17/17 07:39	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/17/17 07:39	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/17/17 07:39	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.1	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 W25 (6"-2')** Lab ID: **35318456006** Collected: 06/14/17 11:50 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.6	mg/kg	0.76	0.38	1	06/19/17 16:45	06/20/17 21:25	7440-38-2	
Lead	68.3	mg/kg	0.76	0.38	1	06/19/17 16:45	06/20/17 21:25	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.045 U	mg/kg	0.12	0.045	1	06/19/17 05:35	06/21/17 04:44	83-32-9	
Acenaphthylene	0.039 U	mg/kg	0.12	0.039	1	06/19/17 05:35	06/21/17 04:44	208-96-8	
Anthracene	0.038 U	mg/kg	0.12	0.038	1	06/19/17 05:35	06/21/17 04:44	120-12-7	
Benzo(a)anthracene	0.059 I	mg/kg	0.12	0.036	1	06/19/17 05:35	06/21/17 04:44	56-55-3	
Benzo(a)pyrene	0.050 I	mg/kg	0.12	0.015	1	06/19/17 05:35	06/21/17 04:44	50-32-8	
Benzo(b)fluoranthene	0.093 U	mg/kg	0.12	0.093	1	06/19/17 05:35	06/21/17 04:44	205-99-2	
Benzo(g,h,i)perylene	0.045 U	mg/kg	0.12	0.045	1	06/19/17 05:35	06/21/17 04:44	191-24-2	
Benzo(k)fluoranthene	0.037 I	mg/kg	0.12	0.027	1	06/19/17 05:35	06/21/17 04:44	207-08-9	
Chrysene	0.064 I	mg/kg	0.12	0.044	1	06/19/17 05:35	06/21/17 04:44	218-01-9	
Dibenz(a,h)anthracene	0.062 U	mg/kg	0.12	0.062	1	06/19/17 05:35	06/21/17 04:44	53-70-3	
Fluoranthene	0.10 I	mg/kg	0.12	0.040	1	06/19/17 05:35	06/21/17 04:44	206-44-0	
Fluorene	0.056 U	mg/kg	0.12	0.056	1	06/19/17 05:35	06/21/17 04:44	86-73-7	
Indeno(1,2,3-cd)pyrene	0.062 U	mg/kg	0.12	0.062	1	06/19/17 05:35	06/21/17 04:44	193-39-5	
1-Methylnaphthalene	0.044 U	mg/kg	0.12	0.044	1	06/19/17 05:35	06/21/17 04:44	90-12-0	
2-Methylnaphthalene	0.050 U	mg/kg	0.12	0.050	1	06/19/17 05:35	06/21/17 04:44	91-57-6	
Naphthalene	0.040 U	mg/kg	0.12	0.040	1	06/19/17 05:35	06/21/17 04:44	91-20-3	
Phenanthrene	0.050 I	mg/kg	0.12	0.047	1	06/19/17 05:35	06/21/17 04:44	85-01-8	
Pyrene	0.086 I	mg/kg	0.12	0.062	1	06/19/17 05:35	06/21/17 04:44	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	16-123		1	06/19/17 05:35	06/21/17 04:44	4165-60-0	
2-Fluorobiphenyl (S)	69	%	32-129		1	06/19/17 05:35	06/21/17 04:44	321-60-8	
Terphenyl-d14 (S)	41	%	38-138		1	06/19/17 05:35	06/21/17 04:44	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 08:02	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 08:02	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 08:02	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 08:02	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 08:02	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-1 W25 (6"-2')** Lab ID: **35318456006** Collected: 06/14/17 11:50 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 08:02	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	108-10-1	
Acetone	0.19	mg/kg	0.021	0.010	1		06/17/17 08:02	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/17/17 08:02	75-05-8	
Benzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 08:02	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/17/17 08:02	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/17/17 08:02	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 08:02	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 08:02	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 08:02	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 08:02	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	100-42-5	
Tetrachloroethene	0.0027 I	mg/kg	0.0052	0.0026	1		06/17/17 08:02	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 08:02	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 08:02	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 08:02	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 08:02	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.016	0.0053	1		06/17/17 08:02	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	10061-01-5	
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/17/17 08:02	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/17/17 08:02	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 08:02	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 08:02	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/17/17 08:02	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-1 W25 (6"-2') **Lab ID: 35318456006** Collected: 06/14/17 11:50 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 08:02	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 08:02	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/17/17 08:02	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 08:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 08:02	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/17/17 08:02	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 08:02	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	23.0	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Sample: SB-2 (0-6") **Lab ID: 35318456007** Collected: 06/14/17 11:14 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	58.5	mg/kg	4.2	2.7	1	06/19/17 11:20	06/19/17 20:23		
Surrogates									
o-Terphenyl (S)	107	%	62-109		1	06/19/17 11:20	06/19/17 20:23	84-15-1	
N-Pentatriacontane (S)	75	%	42-159		1	06/19/17 11:20	06/19/17 20:23	630-07-09	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.9 I	mg/kg	4.0	2.0	5	06/19/17 16:45	06/20/17 21:31	7440-38-2	
Barium	37.0	mg/kg	4.0	2.0	5	06/19/17 16:45	06/20/17 21:31	7440-39-3	
Cadmium	2.0	mg/kg	0.40	0.20	5	06/19/17 16:45	06/20/17 21:31	7440-43-9	
Chromium	23.5	mg/kg	2.0	0.99	5	06/19/17 16:45	06/20/17 21:31	7440-47-3	
Lead	62.1	mg/kg	4.0	2.0	5	06/19/17 16:45	06/20/17 21:31	7439-92-1	
Selenium	3.0 U	mg/kg	6.0	3.0	5	06/19/17 16:45	06/20/17 21:31	7782-49-2	
Silver	0.99 U	mg/kg	2.0	0.99	5	06/19/17 16:45	06/20/17 21:31	7440-22-4	D3
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.16	mg/kg	0.012	0.0062	1	06/20/17 09:23	06/20/17 14:27	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.044 U	mg/kg	0.12	0.044	1	06/19/17 05:35	06/21/17 05:06	83-32-9	
Acenaphthylene	0.077 I	mg/kg	0.12	0.038	1	06/19/17 05:35	06/21/17 05:06	208-96-8	
Anthracene	0.078 I	mg/kg	0.12	0.037	1	06/19/17 05:35	06/21/17 05:06	120-12-7	
Benzo(a)anthracene	0.38	mg/kg	0.12	0.035	1	06/19/17 05:35	06/21/17 05:06	56-55-3	
Benzo(a)pyrene	0.49	mg/kg	0.12	0.014	1	06/19/17 05:35	06/21/17 05:06	50-32-8	
Benzo(b)fluoranthene	1.1	mg/kg	0.12	0.092	1	06/19/17 05:35	06/21/17 05:06	205-99-2	
Benzo(g,h,i)perylene	0.41	mg/kg	0.12	0.044	1	06/19/17 05:35	06/21/17 05:06	191-24-2	
Benzo(k)fluoranthene	0.026 U	mg/kg	0.12	0.026	1	06/19/17 05:35	06/21/17 05:06	207-08-9	
Chrysene	0.56	mg/kg	0.12	0.043	1	06/19/17 05:35	06/21/17 05:06	218-01-9	
Dibenz(a,h)anthracene	0.095 I	mg/kg	0.12	0.061	1	06/19/17 05:35	06/21/17 05:06	53-70-3	
Fluoranthene	0.70	mg/kg	0.12	0.040	1	06/19/17 05:35	06/21/17 05:06	206-44-0	
Fluorene	0.055 U	mg/kg	0.12	0.055	1	06/19/17 05:35	06/21/17 05:06	86-73-7	
Indeno(1,2,3-cd)pyrene	0.33	mg/kg	0.12	0.061	1	06/19/17 05:35	06/21/17 05:06	193-39-5	
1-Methylnaphthalene	0.043 U	mg/kg	0.12	0.043	1	06/19/17 05:35	06/21/17 05:06	90-12-0	
2-Methylnaphthalene	0.049 U	mg/kg	0.12	0.049	1	06/19/17 05:35	06/21/17 05:06	91-57-6	
Naphthalene	0.039 U	mg/kg	0.12	0.039	1	06/19/17 05:35	06/21/17 05:06	91-20-3	
Phenanthrene	0.15	mg/kg	0.12	0.046	1	06/19/17 05:35	06/21/17 05:06	85-01-8	
Pyrene	0.69	mg/kg	0.12	0.061	1	06/19/17 05:35	06/21/17 05:06	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	16-123		1	06/19/17 05:35	06/21/17 05:06	4165-60-0	
2-Fluorobiphenyl (S)	64	%	32-129		1	06/19/17 05:35	06/21/17 05:06	321-60-8	
Terphenyl-d14 (S)	56	%	38-138		1	06/19/17 05:35	06/21/17 05:06	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	630-20-6	
1,1,1-Trichloroethane	0.0044 U	mg/kg	0.0080	0.0044	1		06/17/17 08:25	71-55-6	
1,1,2,2-Tetrachloroethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	79-34-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-2 (0-6") **Lab ID: 35318456007** Collected: 06/14/17 11:14 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,2-Trichloroethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	79-00-5	
1,1-Dichloroethane	0.0044 U	mg/kg	0.0080	0.0044	1		06/17/17 08:25	75-34-3	
1,1-Dichloroethene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	75-35-4	
1,1-Dichloropropene	0.0041 U	mg/kg	0.0080	0.0041	1		06/17/17 08:25	563-58-6	
1,2,3-Trichlorobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	87-61-6	
1,2,3-Trichloropropane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	96-18-4	
1,2,3-Trimethylbenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	526-73-8	N2
1,2,4-Trichlorobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	120-82-1	
1,2,4-Trimethylbenzene	0.0045 U	mg/kg	0.0080	0.0045	1		06/17/17 08:25	95-63-6	
1,2-Dichlorobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	95-50-1	
1,2-Dichloroethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	107-06-2	
1,2-Dichloropropane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	78-87-5	
1,3,5-Trimethylbenzene	0.0046 U	mg/kg	0.0080	0.0046	1		06/17/17 08:25	108-67-8	
1,3-Dichlorobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	541-73-1	
1,3-Dichloropropane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	142-28-9	
1,4-Dichlorobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	106-46-7	
2,2-Dichloropropane	0.0041 U	mg/kg	0.0080	0.0041	1		06/17/17 08:25	594-20-7	
2-Butanone (MEK)	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	78-93-3	
2-Chlorotoluene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	95-49-8	
2-Hexanone	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	591-78-6	
4-Chlorotoluene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	108-10-1	
Acetone	0.11	mg/kg	0.032	0.016	1		06/17/17 08:25	67-64-1	
Acetonitrile	0.040 U	mg/kg	0.080	0.040	1		06/17/17 08:25	75-05-8	
Benzene	0.0041 U	mg/kg	0.0080	0.0041	1		06/17/17 08:25	71-43-2	
Bromobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	108-86-1	
Bromochloromethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	74-97-5	
Bromodichloromethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	75-27-4	
Bromoform	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	75-25-2	J(L2)
Bromomethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	74-83-9	
Carbon disulfide	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	75-15-0	
Carbon tetrachloride	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	56-23-5	
Chlorobenzene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	108-90-7	
Chloroethane	0.0057 U	mg/kg	0.0080	0.0057	1		06/17/17 08:25	75-00-3	
Chloroform	0.0047 U	mg/kg	0.0080	0.0047	1		06/17/17 08:25	67-66-3	
Chloromethane	0.0045 U	mg/kg	0.0080	0.0045	1		06/17/17 08:25	74-87-3	
Dibromochloromethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	124-48-1	
Dibromomethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	74-95-3	
Dichlorodifluoromethane	0.0043 U	mg/kg	0.0080	0.0043	1		06/17/17 08:25	75-71-8	
Ethylbenzene	0.0045 U	mg/kg	0.0080	0.0045	1		06/17/17 08:25	100-41-4	
Iodomethane	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	74-88-4	
Isopropylbenzene (Cumene)	0.0046 U	mg/kg	0.0080	0.0046	1		06/17/17 08:25	98-82-8	
Methyl-tert-butyl ether	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	1634-04-4	
Methylene Chloride	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	75-09-2	
Styrene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	100-42-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-2 (0-6") **Lab ID: 35318456007** Collected: 06/14/17 11:14 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	127-18-4	
Toluene	0.0043 U	mg/kg	0.0080	0.0043	1		06/17/17 08:25	108-88-3	
Trichloroethene	0.0045 U	mg/kg	0.0080	0.0045	1		06/17/17 08:25	79-01-6	
Trichlorofluoromethane	0.0044 U	mg/kg	0.0080	0.0044	1		06/17/17 08:25	75-69-4	
Vinyl acetate	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	108-05-4	
Vinyl chloride	0.0043 U	mg/kg	0.0080	0.0043	1		06/17/17 08:25	75-01-4	
Xylene (Total)	0.0082 U	mg/kg	0.024	0.0082	1		06/17/17 08:25	1330-20-7	
cis-1,2-Dichloroethene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	156-59-2	
cis-1,3-Dichloropropene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	10061-01-5	
m&p-Xylene	0.0082 U	mg/kg	0.016	0.0082	1		06/17/17 08:25	179601-23-1	
n-Butylbenzene	0.0048 U	mg/kg	0.0080	0.0048	1		06/17/17 08:25	104-51-8	
n-Propylbenzene	0.0042 U	mg/kg	0.0080	0.0042	1		06/17/17 08:25	103-65-1	
o-Xylene	0.0041 U	mg/kg	0.0080	0.0041	1		06/17/17 08:25	95-47-6	
p-Isopropyltoluene	0.0048 U	mg/kg	0.0080	0.0048	1		06/17/17 08:25	99-87-6	
sec-Butylbenzene	0.0046 U	mg/kg	0.0080	0.0046	1		06/17/17 08:25	135-98-8	
tert-Butylbenzene	0.0046 U	mg/kg	0.0080	0.0046	1		06/17/17 08:25	98-06-6	
trans-1,2-Dichloroethene	0.0049 U	mg/kg	0.0080	0.0049	1		06/17/17 08:25	156-60-5	
trans-1,3-Dichloropropene	0.0040 U	mg/kg	0.0080	0.0040	1		06/17/17 08:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/17/17 08:25	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/17/17 08:25	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/17/17 08:25	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	20.7	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-2 (6"-2') **Lab ID: 35318456008** Collected: 06/14/17 11:12 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	12.3	mg/kg	3.8	2.4	1	06/19/17 11:20	06/19/17 20:23		
Surrogates									
o-Terphenyl (S)	105	%	62-109		1	06/19/17 11:20	06/19/17 20:23	84-15-1	
N-Pentatriacontane (S)	90	%	42-159		1	06/19/17 11:20	06/19/17 20:23	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	25.5	mg/kg	0.63	0.32	1	06/19/17 16:45	06/20/17 21:36	7440-38-2	
Barium	13.5	mg/kg	0.63	0.32	1	06/19/17 16:45	06/20/17 21:36	7440-39-3	
Cadmium	0.16	mg/kg	0.063	0.032	1	06/19/17 16:45	06/20/17 21:36	7440-43-9	
Chromium	11.2	mg/kg	0.32	0.16	1	06/19/17 16:45	06/20/17 21:36	7440-47-3	
Lead	19.8	mg/kg	0.63	0.32	1	06/19/17 16:45	06/20/17 21:36	7439-92-1	
Selenium	0.48 U	mg/kg	0.95	0.48	1	06/19/17 16:45	06/20/17 21:36	7782-49-2	
Silver	0.16 U	mg/kg	0.32	0.16	1	06/19/17 16:45	06/20/17 21:36	7440-22-4	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.040	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:57	7440-38-2	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.14	mg/kg	0.010	0.0052	1	06/20/17 09:23	06/20/17 14:29	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.041 U	mg/kg	0.11	0.041	1	06/19/17 05:35	06/21/17 05:29	83-32-9	
Acenaphthylene	0.058 I	mg/kg	0.11	0.035	1	06/19/17 05:35	06/21/17 05:29	208-96-8	
Anthracene	0.039 I	mg/kg	0.11	0.034	1	06/19/17 05:35	06/21/17 05:29	120-12-7	
Benzo(a)anthracene	0.11 I	mg/kg	0.11	0.032	1	06/19/17 05:35	06/21/17 05:29	56-55-3	
Benzo(a)pyrene	0.13	mg/kg	0.11	0.013	1	06/19/17 05:35	06/21/17 05:29	50-32-8	
Benzo(b)fluoranthene	0.22	mg/kg	0.11	0.084	1	06/19/17 05:35	06/21/17 05:29	205-99-2	
Benzo(g,h,i)perylene	0.11	mg/kg	0.11	0.040	1	06/19/17 05:35	06/21/17 05:29	191-24-2	
Benzo(k)fluoranthene	0.12	mg/kg	0.11	0.024	1	06/19/17 05:35	06/21/17 05:29	207-08-9	
Chrysene	0.17	mg/kg	0.11	0.040	1	06/19/17 05:35	06/21/17 05:29	218-01-9	
Dibenz(a,h)anthracene	0.056 U	mg/kg	0.11	0.056	1	06/19/17 05:35	06/21/17 05:29	53-70-3	
Fluoranthene	0.16	mg/kg	0.11	0.036	1	06/19/17 05:35	06/21/17 05:29	206-44-0	
Fluorene	0.050 U	mg/kg	0.11	0.050	1	06/19/17 05:35	06/21/17 05:29	86-73-7	
Indeno(1,2,3-cd)pyrene	0.083 I	mg/kg	0.11	0.056	1	06/19/17 05:35	06/21/17 05:29	193-39-5	
1-Methylnaphthalene	0.039 U	mg/kg	0.11	0.039	1	06/19/17 05:35	06/21/17 05:29	90-12-0	
2-Methylnaphthalene	0.045 U	mg/kg	0.11	0.045	1	06/19/17 05:35	06/21/17 05:29	91-57-6	
Naphthalene	0.036 U	mg/kg	0.11	0.036	1	06/19/17 05:35	06/21/17 05:29	91-20-3	
Phenanthrene	0.042 U	mg/kg	0.11	0.042	1	06/19/17 05:35	06/21/17 05:29	85-01-8	
Pyrene	0.16	mg/kg	0.11	0.056	1	06/19/17 05:35	06/21/17 05:29	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	16-123		1	06/19/17 05:35	06/21/17 05:29	4165-60-0	
2-Fluorobiphenyl (S)	78	%	32-129		1	06/19/17 05:35	06/21/17 05:29	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/19/17 05:35	06/21/17 05:29	1718-51-0	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-2 (6"-2') **Lab ID: 35318456008** Collected: 06/14/17 11:12 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	630-20-6	
1,1,1-Trichloroethane	0.0031 U	mg/kg	0.0056	0.0031	1		06/17/17 08:48	71-55-6	
1,1,2,2-Tetrachloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	79-34-5	
1,1,2-Trichloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0056	0.0030	1		06/17/17 08:48	75-34-3	
1,1-Dichloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	75-35-4	
1,1-Dichloropropene	0.0029 U	mg/kg	0.0056	0.0029	1		06/17/17 08:48	563-58-6	
1,2,3-Trichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	87-61-6	
1,2,3-Trichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	96-18-4	
1,2,3-Trimethylbenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	526-73-8	N2
1,2,4-Trichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	120-82-1	
1,2,4-Trimethylbenzene	0.0031 U	mg/kg	0.0056	0.0031	1		06/17/17 08:48	95-63-6	
1,2-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	95-50-1	
1,2-Dichloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	107-06-2	
1,2-Dichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	78-87-5	
1,3,5-Trimethylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/17/17 08:48	108-67-8	
1,3-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	541-73-1	
1,3-Dichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	142-28-9	
1,4-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	106-46-7	
2,2-Dichloropropane	0.0029 U	mg/kg	0.0056	0.0029	1		06/17/17 08:48	594-20-7	
2-Butanone (MEK)	0.15	mg/kg	0.0056	0.0028	1		06/17/17 08:48	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	95-49-8	
2-Hexanone	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	591-78-6	
4-Chlorotoluene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	108-10-1	
Acetone	1.0	mg/kg	0.57	0.28	25		06/20/17 11:51	67-64-1	
Acetonitrile	0.028 U	mg/kg	0.056	0.028	1		06/17/17 08:48	75-05-8	
Benzene	0.0029 U	mg/kg	0.0056	0.0029	1		06/17/17 08:48	71-43-2	
Bromobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	108-86-1	
Bromochloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	74-97-5	
Bromodichloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	75-27-4	
Bromoform	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	75-25-2	J(L2)
Bromomethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	74-83-9	
Carbon disulfide	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	75-15-0	
Carbon tetrachloride	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	56-23-5	
Chlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	108-90-7	
Chloroethane	0.0040 U	mg/kg	0.0056	0.0040	1		06/17/17 08:48	75-00-3	
Chloroform	0.0033 U	mg/kg	0.0056	0.0033	1		06/17/17 08:48	67-66-3	
Chloromethane	0.0031 U	mg/kg	0.0056	0.0031	1		06/17/17 08:48	74-87-3	
Dibromochloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	124-48-1	
Dibromomethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	74-95-3	
Dichlorodifluoromethane	0.0030 U	mg/kg	0.0056	0.0030	1		06/17/17 08:48	75-71-8	
Ethylbenzene	0.0038 I	mg/kg	0.0056	0.0032	1		06/17/17 08:48	100-41-4	
Iodomethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	74-88-4	
Isopropylbenzene (Cumene)	0.0032 U	mg/kg	0.0056	0.0032	1		06/17/17 08:48	98-82-8	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-2 (6"-2') **Lab ID: 35318456008** Collected: 06/14/17 11:12 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	1634-04-4	
Methylene Chloride	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	75-09-2	
Styrene	0.040	mg/kg	0.0056	0.0028	1		06/17/17 08:48	100-42-5	
Tetrachloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	127-18-4	
Toluene	0.016	mg/kg	0.0056	0.0030	1		06/17/17 08:48	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0056	0.0031	1		06/17/17 08:48	79-01-6	
Trichlorofluoromethane	0.0030 U	mg/kg	0.0056	0.0030	1		06/17/17 08:48	75-69-4	
Vinyl acetate	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	108-05-4	
Vinyl chloride	0.0030 U	mg/kg	0.0056	0.0030	1		06/17/17 08:48	75-01-4	
Xylene (Total)	0.0057 U	mg/kg	0.017	0.0057	1		06/17/17 08:48	1330-20-7	
cis-1,2-Dichloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	156-59-2	
cis-1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	10061-01-5	
m&p-Xylene	0.0057 U	mg/kg	0.011	0.0057	1		06/17/17 08:48	179601-23-1	
n-Butylbenzene	0.0034 U	mg/kg	0.0056	0.0034	1		06/17/17 08:48	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0056	0.0029	1		06/17/17 08:48	103-65-1	
o-Xylene	0.0029 U	mg/kg	0.0056	0.0029	1		06/17/17 08:48	95-47-6	
p-Isopropyltoluene	0.0034 U	mg/kg	0.0056	0.0034	1		06/17/17 08:48	99-87-6	
sec-Butylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/17/17 08:48	135-98-8	
tert-Butylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/17/17 08:48	98-06-6	
trans-1,2-Dichloroethene	0.0034 U	mg/kg	0.0056	0.0034	1		06/17/17 08:48	156-60-5	
trans-1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		06/17/17 08:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/17/17 08:48	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/17/17 08:48	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 08:48	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.0	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 (0-6") **Lab ID: 35318456009** Collected: 06/14/17 13:20 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.6	mg/kg	0.49	0.25	1	06/19/17 16:45	06/20/17 21:41	7440-38-2	
Lead	41.1	mg/kg	0.49	0.25	1	06/19/17 16:45	06/20/17 21:41	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/19/17 11:25	06/20/17 14:54	83-32-9	
Acenaphthylene	0.050	mg/kg	0.036	0.011	1	06/19/17 11:25	06/20/17 14:54	208-96-8	
Anthracene	0.044	mg/kg	0.036	0.011	1	06/19/17 11:25	06/20/17 14:54	120-12-7	
Benzo(a)anthracene	0.069	mg/kg	0.036	0.010	1	06/19/17 11:25	06/20/17 14:54	56-55-3	
Benzo(a)pyrene	0.074	mg/kg	0.036	0.0042	1	06/19/17 11:25	06/20/17 14:54	50-32-8	
Benzo(b)fluoranthene	0.13	mg/kg	0.036	0.027	1	06/19/17 11:25	06/20/17 14:54	205-99-2	
Benzo(g,h,i)perylene	0.067	mg/kg	0.036	0.013	1	06/19/17 11:25	06/20/17 14:54	191-24-2	
Benzo(k)fluoranthene	0.052	mg/kg	0.036	0.0077	1	06/19/17 11:25	06/20/17 14:54	207-08-9	
Chrysene	0.092	mg/kg	0.036	0.013	1	06/19/17 11:25	06/20/17 14:54	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/19/17 11:25	06/20/17 14:54	53-70-3	
Fluoranthene	0.093	mg/kg	0.036	0.012	1	06/19/17 11:25	06/20/17 14:54	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/19/17 11:25	06/20/17 14:54	86-73-7	
Indeno(1,2,3-cd)pyrene	0.053	mg/kg	0.036	0.018	1	06/19/17 11:25	06/20/17 14:54	193-39-5	
1-Methylnaphthalene	0.027 I	mg/kg	0.036	0.013	1	06/19/17 11:25	06/20/17 14:54	90-12-0	
2-Methylnaphthalene	0.033 I	mg/kg	0.036	0.014	1	06/19/17 11:25	06/20/17 14:54	91-57-6	
Naphthalene	0.026 I	mg/kg	0.036	0.012	1	06/19/17 11:25	06/20/17 14:54	91-20-3	
Phenanthrene	0.033 I	mg/kg	0.036	0.013	1	06/19/17 11:25	06/20/17 14:54	85-01-8	
Pyrene	0.098	mg/kg	0.036	0.018	1	06/19/17 11:25	06/20/17 14:54	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	16-123		1	06/19/17 11:25	06/20/17 14:54	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/19/17 11:25	06/20/17 14:54	321-60-8	
Terphenyl-d14 (S)	68	%	38-138		1	06/19/17 11:25	06/20/17 14:54	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 09:11	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 09:11	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 09:11	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 09:11	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 09:11	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 (0-6") **Lab ID: 35318456009** Collected: 06/14/17 13:20 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 09:11	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	108-10-1	
Acetone	0.11	mg/kg	0.021	0.010	1		06/17/17 09:11	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/17/17 09:11	75-05-8	
Benzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 09:11	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0052	0.0038	1		06/17/17 09:11	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/17/17 09:11	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 09:11	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 09:11	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 09:11	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 09:11	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 09:11	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 09:11	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/17/17 09:11	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 09:11	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/17/17 09:11	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.010	0.0054	1		06/17/17 09:11	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0052	0.0032	1		06/17/17 09:11	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0052	0.0028	1		06/17/17 09:11	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/17/17 09:11	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0052	0.0032	1		06/17/17 09:11	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 (0-6") **Lab ID: 35318456009** Collected: 06/14/17 13:20 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 09:11	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/17/17 09:11	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/17/17 09:11	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/17/17 09:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 09:11	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/17/17 09:11	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 09:11	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.5	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 (6"-2') **Lab ID: 35318456010** Collected: 06/14/17 13:22 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	55.4	mg/kg	0.64	0.32	1	06/19/17 16:45	06/20/17 21:46	7440-38-2	
Lead	103	mg/kg	0.64	0.32	1	06/19/17 16:45	06/20/17 21:46	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.063	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 23:01	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 00:38	83-32-9	
Acenaphthylene	0.14	mg/kg	0.036	0.011	1	06/19/17 15:25	06/21/17 00:38	208-96-8	
Anthracene	0.14	mg/kg	0.036	0.011	1	06/19/17 15:25	06/21/17 00:38	120-12-7	
Benzo(a)anthracene	0.19	mg/kg	0.036	0.010	1	06/19/17 15:25	06/21/17 00:38	56-55-3	
Benzo(a)pyrene	0.22	mg/kg	0.036	0.0042	1	06/19/17 15:25	06/21/17 00:38	50-32-8	
Benzo(b)fluoranthene	0.39	mg/kg	0.036	0.027	1	06/19/17 15:25	06/21/17 00:38	205-99-2	
Benzo(g,h,i)perylene	0.21	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 00:38	191-24-2	
Benzo(k)fluoranthene	0.18	mg/kg	0.036	0.0078	1	06/19/17 15:25	06/21/17 00:38	207-08-9	
Chrysene	0.25	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 00:38	218-01-9	
Dibenz(a,h)anthracene	0.053	mg/kg	0.036	0.018	1	06/19/17 15:25	06/21/17 00:38	53-70-3	
Fluoranthene	0.26	mg/kg	0.036	0.012	1	06/19/17 15:25	06/21/17 00:38	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/19/17 15:25	06/21/17 00:38	86-73-7	
Indeno(1,2,3-cd)pyrene	0.15	mg/kg	0.036	0.018	1	06/19/17 15:25	06/21/17 00:38	193-39-5	
1-Methylnaphthalene	0.11	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 00:38	90-12-0	
2-Methylnaphthalene	0.13	mg/kg	0.036	0.015	1	06/19/17 15:25	06/21/17 00:38	91-57-6	
Naphthalene	0.10	mg/kg	0.036	0.012	1	06/19/17 15:25	06/21/17 00:38	91-20-3	
Phenanthrene	0.11	mg/kg	0.036	0.014	1	06/19/17 15:25	06/21/17 00:38	85-01-8	
Pyrene	0.29	mg/kg	0.036	0.018	1	06/19/17 15:25	06/21/17 00:38	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	72	%	16-123		1	06/19/17 15:25	06/21/17 00:38	4165-60-0	
2-Fluorobiphenyl (S)	70	%	32-129		1	06/19/17 15:25	06/21/17 00:38	321-60-8	
Terphenyl-d14 (S)	68	%	38-138		1	06/19/17 15:25	06/21/17 00:38	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0064	0.0035	1		06/17/17 09:35	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0064	0.0035	1		06/17/17 09:35	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	75-35-4	
1,1-Dichloropropene	0.0033 U	mg/kg	0.0064	0.0033	1		06/17/17 09:35	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	120-82-1	
1,2,4-Trimethylbenzene	0.0036 U	mg/kg	0.0064	0.0036	1		06/17/17 09:35	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 (6"-2') **Lab ID: 35318456010** Collected: 06/14/17 13:22 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	78-87-5	
1,3,5-Trimethylbenzene	0.0037 U	mg/kg	0.0064	0.0037	1		06/17/17 09:35	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	541-73-1	
1,3-Dichloropropane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0064	0.0033	1		06/17/17 09:35	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	108-10-1	
Acetone	0.12	mg/kg	0.026	0.013	1		06/17/17 09:35	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.064	0.032	1		06/17/17 09:35	75-05-8	
Benzene	0.0033 U	mg/kg	0.0064	0.0033	1		06/17/17 09:35	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	75-25-2	J(L2)
Bromomethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	108-90-7	
Chloroethane	0.0046 U	mg/kg	0.0064	0.0046	1		06/17/17 09:35	75-00-3	
Chloroform	0.0038 U	mg/kg	0.0064	0.0038	1		06/17/17 09:35	67-66-3	
Chloromethane	0.0036 U	mg/kg	0.0064	0.0036	1		06/17/17 09:35	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0064	0.0034	1		06/17/17 09:35	75-71-8	
Ethylbenzene	0.0036 U	mg/kg	0.0064	0.0036	1		06/17/17 09:35	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0064	0.0037	1		06/17/17 09:35	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	75-09-2	
Styrene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	127-18-4	
Toluene	0.0035 U	mg/kg	0.0064	0.0035	1		06/17/17 09:35	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0064	0.0036	1		06/17/17 09:35	79-01-6	
Trichlorofluoromethane	0.0035 U	mg/kg	0.0064	0.0035	1		06/17/17 09:35	75-69-4	
Vinyl acetate	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	108-05-4	
Vinyl chloride	0.0035 U	mg/kg	0.0064	0.0035	1		06/17/17 09:35	75-01-4	
Xylene (Total)	0.0066 U	mg/kg	0.019	0.0066	1		06/17/17 09:35	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	10061-01-5	
m&p-Xylene	0.0066 U	mg/kg	0.013	0.0066	1		06/17/17 09:35	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 (6"-2') **Lab ID: 35318456010** Collected: 06/14/17 13:22 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0039 U	mg/kg	0.0064	0.0039	1		06/17/17 09:35	104-51-8	
n-Propylbenzene	0.0034 U	mg/kg	0.0064	0.0034	1		06/17/17 09:35	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0064	0.0033	1		06/17/17 09:35	95-47-6	
p-Isopropyltoluene	0.0039 U	mg/kg	0.0064	0.0039	1		06/17/17 09:35	99-87-6	
sec-Butylbenzene	0.0037 U	mg/kg	0.0064	0.0037	1		06/17/17 09:35	135-98-8	
tert-Butylbenzene	0.0037 U	mg/kg	0.0064	0.0037	1		06/17/17 09:35	98-06-6	
trans-1,2-Dichloroethene	0.0039 U	mg/kg	0.0064	0.0039	1		06/17/17 09:35	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0064	0.0032	1		06/17/17 09:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 09:35	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/17/17 09:35	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 09:35	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.7	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-3 W25 (0-6")** Lab ID: **35318456011** Collected: 06/14/17 13:10 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	4.2	mg/kg	0.56	0.28	1	06/19/17 16:45	06/20/17 22:01	7440-38-2	
Lead	79.2	mg/kg	0.56	0.28	1	06/19/17 16:45	06/20/17 22:01	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.018 I	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 01:00	83-32-9	
Acenaphthylene	0.014 I	mg/kg	0.036	0.011	1	06/19/17 15:25	06/21/17 01:00	208-96-8	
Anthracene	0.066	mg/kg	0.036	0.011	1	06/19/17 15:25	06/21/17 01:00	120-12-7	
Benzo(a)anthracene	0.56	mg/kg	0.036	0.011	1	06/19/17 15:25	06/21/17 01:00	56-55-3	
Benzo(a)pyrene	0.57	mg/kg	0.036	0.0043	1	06/19/17 15:25	06/21/17 01:00	50-32-8	
Benzo(b)fluoranthene	0.76	mg/kg	0.036	0.027	1	06/19/17 15:25	06/21/17 01:00	205-99-2	
Benzo(g,h,i)perylene	0.33	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 01:00	191-24-2	
Benzo(k)fluoranthene	0.27	mg/kg	0.036	0.0079	1	06/19/17 15:25	06/21/17 01:00	207-08-9	
Chrysene	0.51	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 01:00	218-01-9	
Dibenz(a,h)anthracene	0.11	mg/kg	0.036	0.018	1	06/19/17 15:25	06/21/17 01:00	53-70-3	
Fluoranthene	0.84	mg/kg	0.036	0.012	1	06/19/17 15:25	06/21/17 01:00	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/19/17 15:25	06/21/17 01:00	86-73-7	
Indeno(1,2,3-cd)pyrene	0.29	mg/kg	0.036	0.018	1	06/19/17 15:25	06/21/17 01:00	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/19/17 15:25	06/21/17 01:00	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/19/17 15:25	06/21/17 01:00	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/19/17 15:25	06/21/17 01:00	91-20-3	
Phenanthrene	0.18	mg/kg	0.036	0.014	1	06/19/17 15:25	06/21/17 01:00	85-01-8	
Pyrene	0.74	mg/kg	0.036	0.018	1	06/19/17 15:25	06/21/17 01:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	16-123		1	06/19/17 15:25	06/21/17 01:00	4165-60-0	
2-Fluorobiphenyl (S)	54	%	32-129		1	06/19/17 15:25	06/21/17 01:00	321-60-8	
Terphenyl-d14 (S)	45	%	38-138		1	06/19/17 15:25	06/21/17 01:00	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	630-20-6	
1,1,1-Trichloroethane	0.0031 U	mg/kg	0.0057	0.0031	1		06/17/17 09:58	71-55-6	
1,1,2,2-Tetrachloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	79-34-5	
1,1,2-Trichloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	79-00-5	
1,1-Dichloroethane	0.0031 U	mg/kg	0.0057	0.0031	1		06/17/17 09:58	75-34-3	
1,1-Dichloroethene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	75-35-4	
1,1-Dichloropropene	0.0029 U	mg/kg	0.0057	0.0029	1		06/17/17 09:58	563-58-6	
1,2,3-Trichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	87-61-6	
1,2,3-Trichloropropane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	96-18-4	
1,2,3-Trimethylbenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	526-73-8	N2
1,2,4-Trichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	120-82-1	
1,2,4-Trimethylbenzene	0.0032 U	mg/kg	0.0057	0.0032	1		06/17/17 09:58	95-63-6	
1,2-Dichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	95-50-1	
1,2-Dichloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	107-06-2	
1,2-Dichloropropane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	78-87-5	
1,3,5-Trimethylbenzene	0.0033 U	mg/kg	0.0057	0.0033	1		06/17/17 09:58	108-67-8	
1,3-Dichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 W25 (0-6") **Lab ID: 35318456011** Collected: 06/14/17 13:10 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	142-28-9	
1,4-Dichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	106-46-7	
2,2-Dichloropropane	0.0030 U	mg/kg	0.0057	0.0030	1		06/17/17 09:58	594-20-7	
2-Butanone (MEK)	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	78-93-3	
2-Chlorotoluene	0.0029 U	mg/kg	0.0057	0.0029	1		06/17/17 09:58	95-49-8	
2-Hexanone	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	591-78-6	
4-Chlorotoluene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	108-10-1	
Acetone	0.047	mg/kg	0.023	0.011	1		06/17/17 09:58	67-64-1	
Acetonitrile	0.028 U	mg/kg	0.057	0.028	1		06/17/17 09:58	75-05-8	
Benzene	0.0029 U	mg/kg	0.0057	0.0029	1		06/17/17 09:58	71-43-2	
Bromobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	108-86-1	
Bromochloromethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	74-97-5	
Bromodichloromethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	75-27-4	
Bromoform	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	75-25-2	J(L2)
Bromomethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	74-83-9	
Carbon disulfide	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	75-15-0	
Carbon tetrachloride	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	56-23-5	
Chlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	108-90-7	
Chloroethane	0.0041 U	mg/kg	0.0057	0.0041	1		06/17/17 09:58	75-00-3	
Chloroform	0.0034 U	mg/kg	0.0057	0.0034	1		06/17/17 09:58	67-66-3	
Chloromethane	0.0032 U	mg/kg	0.0057	0.0032	1		06/17/17 09:58	74-87-3	
Dibromochloromethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	124-48-1	
Dibromomethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	74-95-3	
Dichlorodifluoromethane	0.0030 U	mg/kg	0.0057	0.0030	1		06/17/17 09:58	75-71-8	
Ethylbenzene	0.0032 U	mg/kg	0.0057	0.0032	1		06/17/17 09:58	100-41-4	
Iodomethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	74-88-4	
Isopropylbenzene (Cumene)	0.0033 U	mg/kg	0.0057	0.0033	1		06/17/17 09:58	98-82-8	
Methyl-tert-butyl ether	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	1634-04-4	
Methylene Chloride	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	75-09-2	
Styrene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	100-42-5	
Tetrachloroethene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	127-18-4	
Toluene	0.0031 U	mg/kg	0.0057	0.0031	1		06/17/17 09:58	108-88-3	
Trichloroethene	0.0032 U	mg/kg	0.0057	0.0032	1		06/17/17 09:58	79-01-6	
Trichlorofluoromethane	0.0031 U	mg/kg	0.0057	0.0031	1		06/17/17 09:58	75-69-4	
Vinyl acetate	0.0029 U	mg/kg	0.0057	0.0029	1		06/17/17 09:58	108-05-4	
Vinyl chloride	0.0031 U	mg/kg	0.0057	0.0031	1		06/17/17 09:58	75-01-4	
Xylene (Total)	0.0059 U	mg/kg	0.017	0.0059	1		06/17/17 09:58	1330-20-7	
cis-1,2-Dichloroethene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	156-59-2	
cis-1,3-Dichloropropene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	10061-01-5	
m&p-Xylene	0.0059 U	mg/kg	0.011	0.0059	1		06/17/17 09:58	179601-23-1	
n-Butylbenzene	0.0034 U	mg/kg	0.0057	0.0034	1		06/17/17 09:58	104-51-8	
n-Propylbenzene	0.0030 U	mg/kg	0.0057	0.0030	1		06/17/17 09:58	103-65-1	
o-Xylene	0.0029 U	mg/kg	0.0057	0.0029	1		06/17/17 09:58	95-47-6	
p-Isopropyltoluene	0.0034 U	mg/kg	0.0057	0.0034	1		06/17/17 09:58	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 W25 (0-6") **Lab ID: 35318456011** Collected: 06/14/17 13:10 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0033 U	mg/kg	0.0057	0.0033	1		06/17/17 09:58	135-98-8	
tert-Butylbenzene	0.0033 U	mg/kg	0.0057	0.0033	1		06/17/17 09:58	98-06-6	
trans-1,2-Dichloroethene	0.0035 U	mg/kg	0.0057	0.0035	1		06/17/17 09:58	156-60-5	
trans-1,3-Dichloropropene	0.0028 U	mg/kg	0.0057	0.0028	1		06/17/17 09:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/17/17 09:58	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/17/17 09:58	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 09:58	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.3	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 W25 (6"-2) **Lab ID: 35318456012** Collected: 06/14/17 13:15 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.4	mg/kg	0.62	0.31	1	06/19/17 16:45	06/20/17 22:06	7440-38-2	
Lead	671	mg/kg	0.62	0.31	1	06/19/17 16:45	06/20/17 22:06	7439-92-1	
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 07/05/17 15:46									
Lead	0.15	mg/L	0.10	0.050	1	07/06/17 14:10	07/08/17 22:16	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 01:23	83-32-9	
Acenaphthylene	0.014 I	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 01:23	208-96-8	
Anthracene	0.014 I	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 01:23	120-12-7	
Benzo(a)anthracene	0.048	mg/kg	0.035	0.010	1	06/19/17 15:25	06/21/17 01:23	56-55-3	
Benzo(a)pyrene	0.041	mg/kg	0.035	0.0041	1	06/19/17 15:25	06/21/17 01:23	50-32-8	
Benzo(b)fluoranthene	0.052	mg/kg	0.035	0.027	1	06/19/17 15:25	06/21/17 01:23	205-99-2	
Benzo(g,h,i)perylene	0.036	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 01:23	191-24-2	
Benzo(k)fluoranthene	0.028 I	mg/kg	0.035	0.0077	1	06/19/17 15:25	06/21/17 01:23	207-08-9	
Chrysene	0.034 I	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 01:23	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.035	0.018	1	06/19/17 15:25	06/21/17 01:23	53-70-3	
Fluoranthene	0.053	mg/kg	0.035	0.012	1	06/19/17 15:25	06/21/17 01:23	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/19/17 15:25	06/21/17 01:23	86-73-7	
Indeno(1,2,3-cd)pyrene	0.028 I	mg/kg	0.035	0.018	1	06/19/17 15:25	06/21/17 01:23	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 01:23	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/19/17 15:25	06/21/17 01:23	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 01:23	91-20-3	
Phenanthrene	0.028 I	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 01:23	85-01-8	
Pyrene	0.052	mg/kg	0.035	0.018	1	06/19/17 15:25	06/21/17 01:23	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	60	%	16-123		1	06/19/17 15:25	06/21/17 01:23	4165-60-0	
2-Fluorobiphenyl (S)	62	%	32-129		1	06/19/17 15:25	06/21/17 01:23	321-60-8	
Terphenyl-d14 (S)	56	%	38-138		1	06/19/17 15:25	06/21/17 01:23	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	630-20-6	
1,1,1-Trichloroethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/17/17 10:21	71-55-6	
1,1,2,2-Tetrachloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	79-34-5	
1,1,2-Trichloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	79-00-5	
1,1-Dichloroethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/17/17 10:21	75-34-3	
1,1-Dichloroethene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	75-35-4	
1,1-Dichloropropene	0.0030 U	mg/kg	0.0058	0.0030	1		06/17/17 10:21	563-58-6	
1,2,3-Trichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	87-61-6	
1,2,3-Trichloropropane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	96-18-4	
1,2,3-Trimethylbenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	526-73-8	N2
1,2,4-Trichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	120-82-1	
1,2,4-Trimethylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/17/17 10:21	95-63-6	
1,2-Dichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 W25 (6"-2) **Lab ID: 35318456012** Collected: 06/14/17 13:15 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	107-06-2	
1,2-Dichloropropane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	78-87-5	
1,3,5-Trimethylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/17/17 10:21	108-67-8	
1,3-Dichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	541-73-1	
1,3-Dichloropropane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	142-28-9	
1,4-Dichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	106-46-7	
2,2-Dichloropropane	0.0030 U	mg/kg	0.0058	0.0030	1		06/17/17 10:21	594-20-7	
2-Butanone (MEK)	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	78-93-3	
2-Chlorotoluene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	95-49-8	
2-Hexanone	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	591-78-6	
4-Chlorotoluene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	108-10-1	
Acetone	0.11	mg/kg	0.023	0.012	1		06/17/17 10:21	67-64-1	
Acetonitrile	0.029 U	mg/kg	0.058	0.029	1		06/17/17 10:21	75-05-8	
Benzene	0.0030 U	mg/kg	0.0058	0.0030	1		06/17/17 10:21	71-43-2	
Bromobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	108-86-1	
Bromochloromethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	74-97-5	
Bromodichloromethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	75-27-4	
Bromoform	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	75-25-2	J(L2)
Bromomethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	74-83-9	
Carbon disulfide	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	75-15-0	
Carbon tetrachloride	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	56-23-5	
Chlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	108-90-7	
Chloroethane	0.0042 U	mg/kg	0.0058	0.0042	1		06/17/17 10:21	75-00-3	
Chloroform	0.0034 U	mg/kg	0.0058	0.0034	1		06/17/17 10:21	67-66-3	
Chloromethane	0.0033 U	mg/kg	0.0058	0.0033	1		06/17/17 10:21	74-87-3	
Dibromochloromethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	124-48-1	
Dibromomethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	74-95-3	
Dichlorodifluoromethane	0.0031 U	mg/kg	0.0058	0.0031	1		06/17/17 10:21	75-71-8	
Ethylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/17/17 10:21	100-41-4	
Iodomethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	74-88-4	
Isopropylbenzene (Cumene)	0.0034 U	mg/kg	0.0058	0.0034	1		06/17/17 10:21	98-82-8	
Methyl-tert-butyl ether	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	1634-04-4	
Methylene Chloride	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	75-09-2	
Styrene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	100-42-5	
Tetrachloroethene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	127-18-4	
Toluene	0.0031 U	mg/kg	0.0058	0.0031	1		06/17/17 10:21	108-88-3	
Trichloroethene	0.0033 U	mg/kg	0.0058	0.0033	1		06/17/17 10:21	79-01-6	
Trichlorofluoromethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/17/17 10:21	75-69-4	
Vinyl acetate	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	108-05-4	
Vinyl chloride	0.0031 U	mg/kg	0.0058	0.0031	1		06/17/17 10:21	75-01-4	
Xylene (Total)	0.0060 U	mg/kg	0.017	0.0060	1		06/17/17 10:21	1330-20-7	
cis-1,2-Dichloroethene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	156-59-2	
cis-1,3-Dichloropropene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	10061-01-5	
m&p-Xylene	0.0060 U	mg/kg	0.012	0.0060	1		06/17/17 10:21	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 W25 (6"-2) **Lab ID: 35318456012** Collected: 06/14/17 13:15 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0035 U	mg/kg	0.0058	0.0035	1		06/17/17 10:21	104-51-8	
n-Propylbenzene	0.0031 U	mg/kg	0.0058	0.0031	1		06/17/17 10:21	103-65-1	
o-Xylene	0.0030 U	mg/kg	0.0058	0.0030	1		06/17/17 10:21	95-47-6	
p-Isopropyltoluene	0.0035 U	mg/kg	0.0058	0.0035	1		06/17/17 10:21	99-87-6	
sec-Butylbenzene	0.0034 U	mg/kg	0.0058	0.0034	1		06/17/17 10:21	135-98-8	
tert-Butylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/17/17 10:21	98-06-6	
trans-1,2-Dichloroethene	0.0035 U	mg/kg	0.0058	0.0035	1		06/17/17 10:21	156-60-5	
trans-1,3-Dichloropropene	0.0029 U	mg/kg	0.0058	0.0029	1		06/17/17 10:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 10:21	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/17/17 10:21	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 10:21	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.3	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-3 E50 (0-6")** Lab ID: **35318456013** Collected: 06/14/17 13:42 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	0.82	mg/kg	0.72	0.36	1	06/19/17 16:45	06/20/17 22:11	7440-38-2	
Lead	20.0	mg/kg	0.72	0.36	1	06/19/17 16:45	06/20/17 22:11	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.032 U	mg/kg	0.087	0.032	1	06/19/17 15:25	06/21/17 01:46	83-32-9	
Acenaphthylene	0.027 U	mg/kg	0.087	0.027	1	06/19/17 15:25	06/21/17 01:46	208-96-8	
Anthracene	0.027 I	mg/kg	0.087	0.027	1	06/19/17 15:25	06/21/17 01:46	120-12-7	
Benzo(a)anthracene	0.11	mg/kg	0.087	0.025	1	06/19/17 15:25	06/21/17 01:46	56-55-3	
Benzo(a)pyrene	0.12	mg/kg	0.087	0.010	1	06/19/17 15:25	06/21/17 01:46	50-32-8	
Benzo(b)fluoranthene	0.15	mg/kg	0.087	0.066	1	06/19/17 15:25	06/21/17 01:46	205-99-2	
Benzo(g,h,i)perylene	0.11	mg/kg	0.087	0.031	1	06/19/17 15:25	06/21/17 01:46	191-24-2	
Benzo(k)fluoranthene	0.10	mg/kg	0.087	0.019	1	06/19/17 15:25	06/21/17 01:46	207-08-9	
Chrysene	0.13	mg/kg	0.087	0.031	1	06/19/17 15:25	06/21/17 01:46	218-01-9	
Dibenz(a,h)anthracene	0.044 U	mg/kg	0.087	0.044	1	06/19/17 15:25	06/21/17 01:46	53-70-3	
Fluoranthene	0.23	mg/kg	0.087	0.029	1	06/19/17 15:25	06/21/17 01:46	206-44-0	
Fluorene	0.039 U	mg/kg	0.087	0.039	1	06/19/17 15:25	06/21/17 01:46	86-73-7	
Indeno(1,2,3-cd)pyrene	0.077 I	mg/kg	0.087	0.044	1	06/19/17 15:25	06/21/17 01:46	193-39-5	
1-Methylnaphthalene	0.031 U	mg/kg	0.087	0.031	1	06/19/17 15:25	06/21/17 01:46	90-12-0	
2-Methylnaphthalene	0.035 U	mg/kg	0.087	0.035	1	06/19/17 15:25	06/21/17 01:46	91-57-6	
Naphthalene	0.028 U	mg/kg	0.087	0.028	1	06/19/17 15:25	06/21/17 01:46	91-20-3	
Phenanthrene	0.13	mg/kg	0.087	0.033	1	06/19/17 15:25	06/21/17 01:46	85-01-8	
Pyrene	0.17	mg/kg	0.087	0.044	1	06/19/17 15:25	06/21/17 01:46	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	52	%	16-123		1	06/19/17 15:25	06/21/17 01:46	4165-60-0	
2-Fluorobiphenyl (S)	63	%	32-129		1	06/19/17 15:25	06/21/17 01:46	321-60-8	
Terphenyl-d14 (S)	53	%	38-138		1	06/19/17 15:25	06/21/17 01:46	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	630-20-6	
1,1,1-Trichloroethane	0.0037 U	mg/kg	0.0068	0.0037	1		06/17/17 10:44	71-55-6	
1,1,2,2-Tetrachloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	79-34-5	
1,1,2-Trichloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	79-00-5	
1,1-Dichloroethane	0.0037 U	mg/kg	0.0068	0.0037	1		06/17/17 10:44	75-34-3	
1,1-Dichloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	75-35-4	
1,1-Dichloropropene	0.0035 U	mg/kg	0.0068	0.0035	1		06/17/17 10:44	563-58-6	
1,2,3-Trichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	87-61-6	
1,2,3-Trichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	96-18-4	
1,2,3-Trimethylbenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	526-73-8	N2
1,2,4-Trichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	120-82-1	
1,2,4-Trimethylbenzene	0.0038 U	mg/kg	0.0068	0.0038	1		06/17/17 10:44	95-63-6	
1,2-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	95-50-1	
1,2-Dichloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	107-06-2	
1,2-Dichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	78-87-5	
1,3,5-Trimethylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		06/17/17 10:44	108-67-8	
1,3-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-3 E50 (0-6")** Lab ID: **35318456013** Collected: 06/14/17 13:42 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	142-28-9	
1,4-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	106-46-7	
2,2-Dichloropropane	0.0035 U	mg/kg	0.0068	0.0035	1		06/17/17 10:44	594-20-7	
2-Butanone (MEK)	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	78-93-3	
2-Chlorotoluene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	95-49-8	
2-Hexanone	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	591-78-6	
4-Chlorotoluene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	108-10-1	
Acetone	0.014 U	mg/kg	0.027	0.014	1		06/17/17 10:44	67-64-1	
Acetonitrile	0.034 U	mg/kg	0.068	0.034	1		06/17/17 10:44	75-05-8	
Benzene	0.0035 U	mg/kg	0.0068	0.0035	1		06/17/17 10:44	71-43-2	
Bromobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	108-86-1	
Bromochloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	74-97-5	
Bromodichloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	75-27-4	
Bromoform	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	75-25-2	J(L2)
Bromomethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	74-83-9	
Carbon disulfide	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	75-15-0	
Carbon tetrachloride	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	56-23-5	
Chlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	108-90-7	
Chloroethane	0.0049 U	mg/kg	0.0068	0.0049	1		06/17/17 10:44	75-00-3	
Chloroform	0.0040 U	mg/kg	0.0068	0.0040	1		06/17/17 10:44	67-66-3	
Chloromethane	0.0038 U	mg/kg	0.0068	0.0038	1		06/17/17 10:44	74-87-3	
Dibromochloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	124-48-1	
Dibromomethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	74-95-3	
Dichlorodifluoromethane	0.0036 U	mg/kg	0.0068	0.0036	1		06/17/17 10:44	75-71-8	
Ethylbenzene	0.0038 U	mg/kg	0.0068	0.0038	1		06/17/17 10:44	100-41-4	
Iodomethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	74-88-4	
Isopropylbenzene (Cumene)	0.0039 U	mg/kg	0.0068	0.0039	1		06/17/17 10:44	98-82-8	
Methyl-tert-butyl ether	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	1634-04-4	
Methylene Chloride	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	75-09-2	
Styrene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	100-42-5	
Tetrachloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	127-18-4	
Toluene	0.0037 U	mg/kg	0.0068	0.0037	1		06/17/17 10:44	108-88-3	
Trichloroethene	0.0038 U	mg/kg	0.0068	0.0038	1		06/17/17 10:44	79-01-6	
Trichlorofluoromethane	0.0037 U	mg/kg	0.0068	0.0037	1		06/17/17 10:44	75-69-4	
Vinyl acetate	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	108-05-4	
Vinyl chloride	0.0036 U	mg/kg	0.0068	0.0036	1		06/17/17 10:44	75-01-4	
Xylene (Total)	0.0070 U	mg/kg	0.020	0.0070	1		06/17/17 10:44	1330-20-7	
cis-1,2-Dichloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	156-59-2	
cis-1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	10061-01-5	
m&p-Xylene	0.0070 U	mg/kg	0.014	0.0070	1		06/17/17 10:44	179601-23-1	
n-Butylbenzene	0.0041 U	mg/kg	0.0068	0.0041	1		06/17/17 10:44	104-51-8	
n-Propylbenzene	0.0036 U	mg/kg	0.0068	0.0036	1		06/17/17 10:44	103-65-1	
o-Xylene	0.0035 U	mg/kg	0.0068	0.0035	1		06/17/17 10:44	95-47-6	
p-Isopropyltoluene	0.0041 U	mg/kg	0.0068	0.0041	1		06/17/17 10:44	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 E50 (0-6") **Lab ID: 35318456013** Collected: 06/14/17 13:42 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		06/17/17 10:44	135-98-8	
tert-Butylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		06/17/17 10:44	98-06-6	
trans-1,2-Dichloroethene	0.0041 U	mg/kg	0.0068	0.0041	1		06/17/17 10:44	156-60-5	
trans-1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		06/17/17 10:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/17/17 10:44	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/17/17 10:44	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/17/17 10:44	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	25.0	%	0.10	0.10	1		06/22/17 09:36		J(D6)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 E50 (6"-2') **Lab ID: 35318456014** Collected: 06/14/17 13:44 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.42 I	mg/kg	0.61	0.31	1	06/19/17 16:45	06/20/17 22:16	7440-38-2	
Lead	1.5	mg/kg	0.61	0.31	1	06/19/17 16:45	06/20/17 22:16	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 02:08	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 02:08	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 02:08	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.035	0.010	1	06/19/17 15:25	06/21/17 02:08	56-55-3	
Benzo(a)pyrene	0.0040 U	mg/kg	0.035	0.0040	1	06/19/17 15:25	06/21/17 02:08	50-32-8	
Benzo(b)fluoranthene	0.026 U	mg/kg	0.035	0.026	1	06/19/17 15:25	06/21/17 02:08	205-99-2	
Benzo(g,h,i)perylene	0.012 U	mg/kg	0.035	0.012	1	06/19/17 15:25	06/21/17 02:08	191-24-2	
Benzo(k)fluoranthene	0.0075 U	mg/kg	0.035	0.0075	1	06/19/17 15:25	06/21/17 02:08	207-08-9	
Chrysene	0.012 U	mg/kg	0.035	0.012	1	06/19/17 15:25	06/21/17 02:08	218-01-9	
Dibenz(a,h)anthracene	0.017 U	mg/kg	0.035	0.017	1	06/19/17 15:25	06/21/17 02:08	53-70-3	
Fluoranthene	0.011 U	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 02:08	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/19/17 15:25	06/21/17 02:08	86-73-7	
Indeno(1,2,3-cd)pyrene	0.017 U	mg/kg	0.035	0.017	1	06/19/17 15:25	06/21/17 02:08	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/19/17 15:25	06/21/17 02:08	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/19/17 15:25	06/21/17 02:08	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 02:08	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 02:08	85-01-8	
Pyrene	0.017 U	mg/kg	0.035	0.017	1	06/19/17 15:25	06/21/17 02:08	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/19/17 15:25	06/21/17 02:08	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	06/19/17 15:25	06/21/17 02:08	321-60-8	
Terphenyl-d14 (S)	64	%	38-138		1	06/19/17 15:25	06/21/17 02:08	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:07	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:07	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:07	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	95-50-1	
1,2-Dichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:07	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 E50 (6"-2') **Lab ID: 35318456014** Collected: 06/14/17 13:44 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	108-10-1	
Acetone	0.12	mg/kg	0.019	0.0095	1		06/17/17 11:07	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.047	0.024	1		06/17/17 11:07	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	75-25-2	J(L2)
Bromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0047	0.0034	1		06/17/17 11:07	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 11:07	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:07	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:07	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:07	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:07	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	75-09-2	
Styrene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	127-18-4	
Toluene	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:07	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:07	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:07	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:07	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/17/17 11:07	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0095	0.0049	1		06/17/17 11:07	179601-23-1	
n-Butylbenzene	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 11:07	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:07	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	95-47-6	
p-Isopropyltoluene	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 11:07	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-3 E50 (6"-2') **Lab ID: 35318456014** Collected: 06/14/17 13:44 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:07	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:07	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0047	0.0029	1		06/17/17 11:07	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/17/17 11:07	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/17/17 11:07	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/17/17 11:07	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.1	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 (0-6") **Lab ID: 35318456015** Collected: 06/14/17 15:22 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.8	mg/kg	0.77	0.39	1	06/19/17 16:45	06/20/17 22:21	7440-38-2	
Lead	16.1	mg/kg	0.77	0.39	1	06/19/17 16:45	06/20/17 22:21	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.036 U	mg/kg	0.097	0.036	1	06/19/17 15:25	06/21/17 02:31	83-32-9	
Acenaphthylene	0.030 U	mg/kg	0.097	0.030	1	06/19/17 15:25	06/21/17 02:31	208-96-8	
Anthracene	0.067 I	mg/kg	0.097	0.030	1	06/19/17 15:25	06/21/17 02:31	120-12-7	
Benzo(a)anthracene	0.15	mg/kg	0.097	0.028	1	06/19/17 15:25	06/21/17 02:31	56-55-3	
Benzo(a)pyrene	0.11	mg/kg	0.097	0.011	1	06/19/17 15:25	06/21/17 02:31	50-32-8	
Benzo(b)fluoranthene	0.20	mg/kg	0.097	0.073	1	06/19/17 15:25	06/21/17 02:31	205-99-2	
Benzo(g,h,i)perylene	0.094 I	mg/kg	0.097	0.035	1	06/19/17 15:25	06/21/17 02:31	191-24-2	
Benzo(k)fluoranthene	0.082 I	mg/kg	0.097	0.021	1	06/19/17 15:25	06/21/17 02:31	207-08-9	
Chrysene	0.10	mg/kg	0.097	0.035	1	06/19/17 15:25	06/21/17 02:31	218-01-9	
Dibenz(a,h)anthracene	0.049 U	mg/kg	0.097	0.049	1	06/19/17 15:25	06/21/17 02:31	53-70-3	
Fluoranthene	0.15	mg/kg	0.097	0.032	1	06/19/17 15:25	06/21/17 02:31	206-44-0	
Fluorene	0.044 U	mg/kg	0.097	0.044	1	06/19/17 15:25	06/21/17 02:31	86-73-7	
Indeno(1,2,3-cd)pyrene	0.075 I	mg/kg	0.097	0.049	1	06/19/17 15:25	06/21/17 02:31	193-39-5	
1-Methylnaphthalene	0.035 U	mg/kg	0.097	0.035	1	06/19/17 15:25	06/21/17 02:31	90-12-0	
2-Methylnaphthalene	0.040 U	mg/kg	0.097	0.040	1	06/19/17 15:25	06/21/17 02:31	91-57-6	
Naphthalene	0.032 U	mg/kg	0.097	0.032	1	06/19/17 15:25	06/21/17 02:31	91-20-3	
Phenanthrene	0.037 U	mg/kg	0.097	0.037	1	06/19/17 15:25	06/21/17 02:31	85-01-8	
Pyrene	0.17	mg/kg	0.097	0.049	1	06/19/17 15:25	06/21/17 02:31	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	41	%	16-123		1	06/19/17 15:25	06/21/17 02:31	4165-60-0	
2-Fluorobiphenyl (S)	48	%	32-129		1	06/19/17 15:25	06/21/17 02:31	321-60-8	
Terphenyl-d14 (S)	46	%	38-138		1	06/19/17 15:25	06/21/17 02:31	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	630-20-6	
1,1,1-Trichloroethane	0.0039 U	mg/kg	0.0072	0.0039	1		06/20/17 15:52	71-55-6	
1,1,2,2-Tetrachloroethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	79-34-5	
1,1,2-Trichloroethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	79-00-5	
1,1-Dichloroethane	0.0039 U	mg/kg	0.0072	0.0039	1		06/20/17 15:52	75-34-3	
1,1-Dichloroethene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	75-35-4	
1,1-Dichloropropene	0.0037 U	mg/kg	0.0072	0.0037	1		06/20/17 15:52	563-58-6	
1,2,3-Trichlorobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	87-61-6	
1,2,3-Trichloropropane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	96-18-4	
1,2,3-Trimethylbenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	526-73-8	N2
1,2,4-Trichlorobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	120-82-1	
1,2,4-Trimethylbenzene	0.0040 U	mg/kg	0.0072	0.0040	1		06/20/17 15:52	95-63-6	
1,2-Dichlorobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	95-50-1	
1,2-Dichloroethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	107-06-2	
1,2-Dichloropropane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	78-87-5	
1,3,5-Trimethylbenzene	0.0041 U	mg/kg	0.0072	0.0041	1		06/20/17 15:52	108-67-8	
1,3-Dichlorobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 (0-6") **Lab ID: 35318456015** Collected: 06/14/17 15:22 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	142-28-9	
1,4-Dichlorobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	106-46-7	
2,2-Dichloropropane	0.0037 U	mg/kg	0.0072	0.0037	1		06/20/17 15:52	594-20-7	
2-Butanone (MEK)	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	78-93-3	
2-Chlorotoluene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	95-49-8	
2-Hexanone	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	591-78-6	
4-Chlorotoluene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	108-10-1	
Acetone	0.13	mg/kg	0.029	0.014	1		06/20/17 15:52	67-64-1	
Acetonitrile	0.036 U	mg/kg	0.072	0.036	1		06/20/17 15:52	75-05-8	
Benzene	0.0037 U	mg/kg	0.0072	0.0037	1		06/20/17 15:52	71-43-2	
Bromobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	108-86-1	
Bromochloromethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	74-97-5	
Bromodichloromethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	75-27-4	
Bromoform	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	75-25-2	J(L2)
Bromomethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	74-83-9	
Carbon disulfide	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	75-15-0	
Carbon tetrachloride	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	56-23-5	
Chlorobenzene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	108-90-7	
Chloroethane	0.0052 U	mg/kg	0.0072	0.0052	1		06/20/17 15:52	75-00-3	
Chloroform	0.0043 U	mg/kg	0.0072	0.0043	1		06/20/17 15:52	67-66-3	
Chloromethane	0.0040 U	mg/kg	0.0072	0.0040	1		06/20/17 15:52	74-87-3	
Dibromochloromethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	124-48-1	
Dibromomethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	74-95-3	
Dichlorodifluoromethane	0.0038 U	mg/kg	0.0072	0.0038	1		06/20/17 15:52	75-71-8	
Ethylbenzene	0.0041 U	mg/kg	0.0072	0.0041	1		06/20/17 15:52	100-41-4	
Iodomethane	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	74-88-4	
Isopropylbenzene (Cumene)	0.0042 U	mg/kg	0.0072	0.0042	1		06/20/17 15:52	98-82-8	
Methyl-tert-butyl ether	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	1634-04-4	
Methylene Chloride	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	75-09-2	
Styrene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	100-42-5	
Tetrachloroethene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	127-18-4	
Toluene	0.0039 U	mg/kg	0.0072	0.0039	1		06/20/17 15:52	108-88-3	
Trichloroethene	0.0041 U	mg/kg	0.0072	0.0041	1		06/20/17 15:52	79-01-6	
Trichlorofluoromethane	0.0039 U	mg/kg	0.0072	0.0039	1		06/20/17 15:52	75-69-4	
Vinyl acetate	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	108-05-4	
Vinyl chloride	0.0039 U	mg/kg	0.0072	0.0039	1		06/20/17 15:52	75-01-4	
Xylene (Total)	0.0074 U	mg/kg	0.022	0.0074	1		06/20/17 15:52	1330-20-7	
cis-1,2-Dichloroethene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	156-59-2	
cis-1,3-Dichloropropene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	10061-01-5	
m&p-Xylene	0.0074 U	mg/kg	0.014	0.0074	1		06/20/17 15:52	179601-23-1	
n-Butylbenzene	0.0043 U	mg/kg	0.0072	0.0043	1		06/20/17 15:52	104-51-8	
n-Propylbenzene	0.0038 U	mg/kg	0.0072	0.0038	1		06/20/17 15:52	103-65-1	
o-Xylene	0.0037 U	mg/kg	0.0072	0.0037	1		06/20/17 15:52	95-47-6	
p-Isopropyltoluene	0.0043 U	mg/kg	0.0072	0.0043	1		06/20/17 15:52	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 (0-6") **Lab ID: 35318456015** Collected: 06/14/17 15:22 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0042 U	mg/kg	0.0072	0.0042	1		06/20/17 15:52	135-98-8	
tert-Butylbenzene	0.0041 U	mg/kg	0.0072	0.0041	1		06/20/17 15:52	98-06-6	
trans-1,2-Dichloroethene	0.0044 U	mg/kg	0.0072	0.0044	1		06/20/17 15:52	156-60-5	
trans-1,3-Dichloropropene	0.0036 U	mg/kg	0.0072	0.0036	1		06/20/17 15:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/20/17 15:52	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/20/17 15:52	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/20/17 15:52	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	32.7	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 (6"-2') **Lab ID: 35318456016** Collected: 06/14/17 15:24 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	9.1	mg/kg	0.57	0.29	1	06/19/17 16:45	06/20/17 22:27	7440-38-2	
Lead	4.1	mg/kg	0.57	0.29	1	06/19/17 16:45	06/20/17 22:27	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.066	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 10:45	7440-38-2	J(M1)
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 02:53	83-32-9	
Acenaphthylene	0.032 I	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 02:53	208-96-8	
Anthracene	0.026 I	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 02:53	120-12-7	
Benzo(a)anthracene	0.049	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 02:53	56-55-3	
Benzo(a)pyrene	0.056	mg/kg	0.037	0.0043	1	06/19/17 15:25	06/21/17 02:53	50-32-8	
Benzo(b)fluoranthene	0.085	mg/kg	0.037	0.028	1	06/19/17 15:25	06/21/17 02:53	205-99-2	
Benzo(g,h,i)perylene	0.041	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 02:53	191-24-2	
Benzo(k)fluoranthene	0.039	mg/kg	0.037	0.0080	1	06/19/17 15:25	06/21/17 02:53	207-08-9	
Chrysene	0.044	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 02:53	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 02:53	53-70-3	
Fluoranthene	0.046	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 02:53	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/19/17 15:25	06/21/17 02:53	86-73-7	
Indeno(1,2,3-cd)pyrene	0.035 I	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 02:53	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 02:53	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/19/17 15:25	06/21/17 02:53	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 02:53	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 02:53	85-01-8	
Pyrene	0.056	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 02:53	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	74	%	16-123		1	06/19/17 15:25	06/21/17 02:53	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/19/17 15:25	06/21/17 02:53	321-60-8	
Terphenyl-d14 (S)	71	%	38-138		1	06/19/17 15:25	06/21/17 02:53	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:54	71-55-6	
1,1,2,2-Tetrachloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	79-34-5	
1,1,2-Trichloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:54	75-34-3	
1,1-Dichloroethene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:54	563-58-6	
1,2,3-Trichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	87-61-6	
1,2,3-Trichloropropane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	96-18-4	
1,2,3-Trimethylbenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	526-73-8	N2
1,2,4-Trichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:54	95-63-6	
1,2-Dichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-8 (6"-2')** Lab ID: **35318456016** Collected: 06/14/17 15:24 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	107-06-2	
1,2-Dichloropropane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:54	108-67-8	
1,3-Dichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	541-73-1	
1,3-Dichloropropane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	142-28-9	
1,4-Dichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:54	594-20-7	
2-Butanone (MEK)	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:54	95-49-8	
2-Hexanone	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	591-78-6	
4-Chlorotoluene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	108-10-1	
Acetone	0.10	mg/kg	0.019	0.0094	1		06/17/17 11:54	67-64-1	
Acetonitrile	0.023 U	mg/kg	0.047	0.023	1		06/17/17 11:54	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:54	71-43-2	
Bromobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	108-86-1	
Bromochloromethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	74-97-5	
Bromodichloromethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	75-27-4	
Bromoform	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	75-25-2	J(L2)
Bromomethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	74-83-9	
Carbon disulfide	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	75-15-0	
Carbon tetrachloride	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	56-23-5	
Chlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0047	0.0034	1		06/17/17 11:54	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 11:54	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:54	74-87-3	
Dibromochloromethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	124-48-1	
Dibromomethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:54	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:54	100-41-4	
Iodomethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:54	98-82-8	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	1634-04-4	
Methylene Chloride	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	75-09-2	
Styrene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	100-42-5	
Tetrachloroethene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	127-18-4	
Toluene	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:54	108-88-3	
Trichloroethene	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:54	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/17/17 11:54	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:54	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:54	75-01-4	
Xylene (Total)	0.0048 U	mg/kg	0.014	0.0048	1		06/17/17 11:54	1330-20-7	
cis-1,2-Dichloroethene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	156-59-2	
cis-1,3-Dichloropropene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	10061-01-5	
m&p-Xylene	0.0048 U	mg/kg	0.0094	0.0048	1		06/17/17 11:54	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 (6"-2') **Lab ID: 35318456016** Collected: 06/14/17 15:24 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 11:54	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/17/17 11:54	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/17/17 11:54	95-47-6	
p-Isopropyltoluene	0.0028 U	mg/kg	0.0047	0.0028	1		06/17/17 11:54	99-87-6	
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:54	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/17/17 11:54	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0047	0.0029	1		06/17/17 11:54	156-60-5	
trans-1,3-Dichloropropene	0.0023 U	mg/kg	0.0047	0.0023	1		06/17/17 11:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/17/17 11:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/17/17 11:54	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/17/17 11:54	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.2	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E25 (0-6') **Lab ID: 35318456017** Collected: 06/14/17 15:42 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.9	mg/kg	0.68	0.34	1	06/19/17 16:45	06/20/17 22:32	7440-38-2	
Lead	20.9	mg/kg	0.68	0.34	1	06/19/17 16:45	06/20/17 22:32	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 03:16	83-32-9	
Acenaphthylene	0.084	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 03:16	208-96-8	
Anthracene	0.085	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 03:16	120-12-7	
Benzo(a)anthracene	0.13	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 03:16	56-55-3	
Benzo(a)pyrene	0.15	mg/kg	0.037	0.0043	1	06/19/17 15:25	06/21/17 03:16	50-32-8	
Benzo(b)fluoranthene	0.29	mg/kg	0.037	0.028	1	06/19/17 15:25	06/21/17 03:16	205-99-2	
Benzo(g,h,i)perylene	0.12	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 03:16	191-24-2	
Benzo(k)fluoranthene	0.13	mg/kg	0.037	0.0080	1	06/19/17 15:25	06/21/17 03:16	207-08-9	
Chrysene	0.24	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 03:16	218-01-9	
Dibenz(a,h)anthracene	0.038	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 03:16	53-70-3	
Fluoranthene	0.36	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 03:16	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/19/17 15:25	06/21/17 03:16	86-73-7	
Indeno(1,2,3-cd)pyrene	0.098	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 03:16	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 03:16	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/19/17 15:25	06/21/17 03:16	91-57-6	
Naphthalene	0.013 I	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 03:16	91-20-3	
Phenanthrene	0.11	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 03:16	85-01-8	
Pyrene	0.30	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 03:16	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	16-123		1	06/19/17 15:25	06/21/17 03:16	4165-60-0	
2-Fluorobiphenyl (S)	75	%	32-129		1	06/19/17 15:25	06/21/17 03:16	321-60-8	
Terphenyl-d14 (S)	69	%	38-138		1	06/19/17 15:25	06/21/17 03:16	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:31	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:31	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	95-50-1	
1,2-Dichloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	78-87-5	
1,3,5-Trimethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-8 E25 (0-6')** Lab ID: **35318456017** Collected: 06/14/17 15:42 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	108-10-1	
Acetone	0.098	mg/kg	0.020	0.0098	1		06/19/17 16:31	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.049	0.025	1		06/19/17 16:31	75-05-8	
Benzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	108-90-7	
Chloroethane	0.0035 U	mg/kg	0.0049	0.0035	1		06/19/17 16:31	75-00-3	
Chloroform	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 16:31	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	74-95-3	
Dichlorodifluoromethane	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:31	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 16:31	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	75-09-2	
Styrene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	127-18-4	
Toluene	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:31	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:31	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:31	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/19/17 16:31	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.0098	0.0051	1		06/19/17 16:31	179601-23-1	
n-Butylbenzene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 16:31	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:31	103-65-1	
o-Xylene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 16:31	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E25 (0-6') **Lab ID: 35318456017** Collected: 06/14/17 15:42 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	135-98-8	
tert-Butylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:31	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 16:31	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/19/17 16:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/19/17 16:31	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/19/17 16:31	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.3	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E25 (6"-2') **Lab ID: 35318456018** Collected: 06/14/17 15:44 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.8	mg/kg	0.60	0.30	1	06/19/17 16:45	06/20/17 22:37	7440-38-2	
Lead	12.7	mg/kg	0.60	0.30	1	06/19/17 16:45	06/20/17 22:37	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.16	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 11:02	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.030 I	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 03:38	83-32-9	
Acenaphthylene	0.62	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 03:38	208-96-8	
Anthracene	0.58	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 03:38	120-12-7	
Benzo(a)anthracene	1.6	mg/kg	0.035	0.010	1	06/19/17 15:25	06/21/17 03:38	56-55-3	
Benzo(a)pyrene	1.4	mg/kg	0.035	0.0041	1	06/19/17 15:25	06/21/17 03:38	50-32-8	
Benzo(b)fluoranthene	2.6	mg/kg	0.035	0.027	1	06/19/17 15:25	06/21/17 03:38	205-99-2	
Benzo(g,h,i)perylene	0.89	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 03:38	191-24-2	
Benzo(k)fluoranthene	1.2	mg/kg	0.035	0.0077	1	06/19/17 15:25	06/21/17 03:38	207-08-9	
Chrysene	1.3	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 03:38	218-01-9	
Dibenz(a,h)anthracene	0.34	mg/kg	0.035	0.018	1	06/19/17 15:25	06/21/17 03:38	53-70-3	
Fluoranthene	1.2	mg/kg	0.035	0.012	1	06/19/17 15:25	06/21/17 03:38	206-44-0	
Fluorene	0.039	mg/kg	0.035	0.016	1	06/19/17 15:25	06/21/17 03:38	86-73-7	
Indeno(1,2,3-cd)pyrene	0.89	mg/kg	0.035	0.018	1	06/19/17 15:25	06/21/17 03:38	193-39-5	
1-Methylnaphthalene	0.017 I	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 03:38	90-12-0	
2-Methylnaphthalene	0.035 I	mg/kg	0.035	0.014	1	06/19/17 15:25	06/21/17 03:38	91-57-6	
Naphthalene	0.065	mg/kg	0.035	0.011	1	06/19/17 15:25	06/21/17 03:38	91-20-3	
Phenanthrene	0.13	mg/kg	0.035	0.013	1	06/19/17 15:25	06/21/17 03:38	85-01-8	
Pyrene	1.4	mg/kg	0.035	0.018	1	06/19/17 15:25	06/21/17 03:38	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	16-123		1	06/19/17 15:25	06/21/17 03:38	4165-60-0	
2-Fluorobiphenyl (S)	71	%	32-129		1	06/19/17 15:25	06/21/17 03:38	321-60-8	
Terphenyl-d14 (S)	66	%	38-138		1	06/19/17 15:25	06/21/17 03:38	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:54	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:54	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	120-82-1	
1,2,4-Trimethylbenzene	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:54	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-8 E25 (6"-2')** Lab ID: **35318456018** Collected: 06/14/17 15:44 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	78-87-5	
1,3,5-Trimethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:54	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	541-73-1	
1,3-Dichloropropane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:54	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	108-10-1	
Acetone	0.084	mg/kg	0.019	0.0097	1		06/19/17 16:54	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.049	0.024	1		06/19/17 16:54	75-05-8	
Benzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:54	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	75-25-2	
Bromomethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	108-90-7	
Chloroethane	0.0035 U	mg/kg	0.0049	0.0035	1		06/19/17 16:54	75-00-3	
Chloroform	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 16:54	67-66-3	
Chloromethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:54	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	74-95-3	
Dichlorodifluoromethane	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:54	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:54	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	74-88-4	
Isopropylbenzene (Cumene)	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:54	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	75-09-2	
Styrene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	127-18-4	
Toluene	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:54	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 16:54	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:54	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:54	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:54	75-01-4	
Xylene (Total)	0.0050 U	mg/kg	0.015	0.0050	1		06/19/17 16:54	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	10061-01-5	
m&p-Xylene	0.0050 U	mg/kg	0.0097	0.0050	1		06/19/17 16:54	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E25 (6"-2') **Lab ID: 35318456018** Collected: 06/14/17 15:44 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 16:54	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 16:54	103-65-1	
o-Xylene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 16:54	95-47-6	
p-Isopropyltoluene	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 16:54	99-87-6	
sec-Butylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:54	135-98-8	
tert-Butylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 16:54	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 16:54	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0049	0.0024	1		06/19/17 16:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/19/17 16:54	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/19/17 16:54	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/19/17 16:54	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.5	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-8 E50 (0-6')** Lab ID: **35318456019** Collected: 06/14/17 15:57 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.8	mg/kg	0.55	0.28	1	06/19/17 16:45	06/20/17 22:42	7440-38-2	
Lead	21.9	mg/kg	0.55	0.28	1	06/19/17 16:45	06/20/17 22:42	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 04:01	83-32-9	
Acenaphthylene	0.11	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 04:01	208-96-8	
Anthracene	0.094	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 04:01	120-12-7	
Benzo(a)anthracene	0.14	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 04:01	56-55-3	
Benzo(a)pyrene	0.18	mg/kg	0.037	0.0043	1	06/19/17 15:25	06/21/17 04:01	50-32-8	
Benzo(b)fluoranthene	0.29	mg/kg	0.037	0.028	1	06/19/17 15:25	06/21/17 04:01	205-99-2	
Benzo(g,h,i)perylene	0.13	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 04:01	191-24-2	
Benzo(k)fluoranthene	0.12	mg/kg	0.037	0.0080	1	06/19/17 15:25	06/21/17 04:01	207-08-9	
Chrysene	0.12	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 04:01	218-01-9	
Dibenz(a,h)anthracene	0.040	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 04:01	53-70-3	
Fluoranthene	0.16	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 04:01	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/19/17 15:25	06/21/17 04:01	86-73-7	
Indeno(1,2,3-cd)pyrene	0.11	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 04:01	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 04:01	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/19/17 15:25	06/21/17 04:01	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 04:01	91-20-3	
Phenanthrene	0.020 I	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 04:01	85-01-8	
Pyrene	0.19	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 04:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	16-123		1	06/19/17 15:25	06/21/17 04:01	4165-60-0	
2-Fluorobiphenyl (S)	71	%	32-129		1	06/19/17 15:25	06/21/17 04:01	321-60-8	
Terphenyl-d14 (S)	68	%	38-138		1	06/19/17 15:25	06/21/17 04:01	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	630-20-6	
1,1,1-Trichloroethane	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	79-34-5	
1,1,2-Trichloroethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	79-00-5	
1,1-Dichloroethane	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	75-34-3	
1,1-Dichloroethene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	75-35-4	
1,1-Dichloropropene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	563-58-6	
1,2,3-Trichlorobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	87-61-6	
1,2,3-Trichloropropane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	96-18-4	
1,2,3-Trimethylbenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	526-73-8	N2
1,2,4-Trichlorobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	120-82-1	
1,2,4-Trimethylbenzene	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	95-63-6	
1,2-Dichlorobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	95-50-1	
1,2-Dichloroethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	107-06-2	
1,2-Dichloropropane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	78-87-5	
1,3,5-Trimethylbenzene	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	108-67-8	
1,3-Dichlorobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E50 (0-6') **Lab ID: 35318456019** Collected: 06/14/17 15:57 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	142-28-9	
1,4-Dichlorobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	106-46-7	
2,2-Dichloropropane	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	594-20-7	
2-Butanone (MEK)	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	78-93-3	
2-Chlorotoluene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	95-49-8	
2-Hexanone	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	591-78-6	
4-Chlorotoluene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	108-10-1	
Acetone	0.017	mg/kg	0.012	0.0060	1		06/19/17 17:17	67-64-1	
Acetonitrile	0.015 U	mg/kg	0.030	0.015	1		06/19/17 17:17	75-05-8	
Benzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	71-43-2	
Bromobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	108-86-1	
Bromochloromethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	74-97-5	
Bromodichloromethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	75-27-4	
Bromoform	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	75-25-2	
Bromomethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	74-83-9	
Carbon disulfide	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	75-15-0	
Carbon tetrachloride	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	56-23-5	
Chlorobenzene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	108-90-7	
Chloroethane	0.0022 U	mg/kg	0.0030	0.0022	1		06/19/17 17:17	75-00-3	
Chloroform	0.0018 U	mg/kg	0.0030	0.0018	1		06/19/17 17:17	67-66-3	
Chloromethane	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	74-87-3	
Dibromochloromethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	124-48-1	
Dibromomethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	74-95-3	
Dichlorodifluoromethane	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	75-71-8	
Ethylbenzene	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	100-41-4	
Iodomethane	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	74-88-4	
Isopropylbenzene (Cumene)	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	98-82-8	
Methyl-tert-butyl ether	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	1634-04-4	
Methylene Chloride	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	75-09-2	
Styrene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	100-42-5	
Tetrachloroethene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	127-18-4	
Toluene	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	108-88-3	
Trichloroethene	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	79-01-6	
Trichlorofluoromethane	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	75-69-4	
Vinyl acetate	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	108-05-4	
Vinyl chloride	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	75-01-4	
Xylene (Total)	0.0031 U	mg/kg	0.0090	0.0031	1		06/19/17 17:17	1330-20-7	
cis-1,2-Dichloroethene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	156-59-2	
cis-1,3-Dichloropropene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	10061-01-5	
m&p-Xylene	0.0031 U	mg/kg	0.0060	0.0031	1		06/19/17 17:17	179601-23-1	
n-Butylbenzene	0.0018 U	mg/kg	0.0030	0.0018	1		06/19/17 17:17	104-51-8	
n-Propylbenzene	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	103-65-1	
o-Xylene	0.0016 U	mg/kg	0.0030	0.0016	1		06/19/17 17:17	95-47-6	
p-Isopropyltoluene	0.0018 U	mg/kg	0.0030	0.0018	1		06/19/17 17:17	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E50 (0-6') **Lab ID: 35318456019** Collected: 06/14/17 15:57 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	135-98-8	
tert-Butylbenzene	0.0017 U	mg/kg	0.0030	0.0017	1		06/19/17 17:17	98-06-6	
trans-1,2-Dichloroethene	0.0018 U	mg/kg	0.0030	0.0018	1		06/19/17 17:17	156-60-5	
trans-1,3-Dichloropropene	0.0015 U	mg/kg	0.0030	0.0015	1		06/19/17 17:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/19/17 17:17	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/19/17 17:17	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/19/17 17:17	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.0	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E50 (6"-2') **Lab ID: 35318456020** Collected: 06/14/17 15:59 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	21.9	mg/kg	0.70	0.35	1	06/19/17 16:45	06/20/17 22:47	7440-38-2	
Lead	3.6	mg/kg	0.70	0.35	1	06/19/17 16:45	06/20/17 22:47	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.076	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 14:49	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.030 U	mg/kg	0.082	0.030	1	06/19/17 15:25	06/21/17 04:24	83-32-9	
Acenaphthylene	0.16	mg/kg	0.082	0.026	1	06/19/17 15:25	06/21/17 04:24	208-96-8	
Anthracene	0.14	mg/kg	0.082	0.025	1	06/19/17 15:25	06/21/17 04:24	120-12-7	
Benzo(a)anthracene	0.26	mg/kg	0.082	0.024	1	06/19/17 15:25	06/21/17 04:24	56-55-3	
Benzo(a)pyrene	0.29	mg/kg	0.082	0.0096	1	06/19/17 15:25	06/21/17 04:24	50-32-8	
Benzo(b)fluoranthene	0.45	mg/kg	0.082	0.062	1	06/19/17 15:25	06/21/17 04:24	205-99-2	
Benzo(g,h,i)perylene	0.19	mg/kg	0.082	0.029	1	06/19/17 15:25	06/21/17 04:24	191-24-2	
Benzo(k)fluoranthene	0.21	mg/kg	0.082	0.018	1	06/19/17 15:25	06/21/17 04:24	207-08-9	
Chrysene	0.19	mg/kg	0.082	0.029	1	06/19/17 15:25	06/21/17 04:24	218-01-9	
Dibenz(a,h)anthracene	0.062 I	mg/kg	0.082	0.041	1	06/19/17 15:25	06/21/17 04:24	53-70-3	
Fluoranthene	0.21	mg/kg	0.082	0.027	1	06/19/17 15:25	06/21/17 04:24	206-44-0	
Fluorene	0.037 U	mg/kg	0.082	0.037	1	06/19/17 15:25	06/21/17 04:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.17	mg/kg	0.082	0.041	1	06/19/17 15:25	06/21/17 04:24	193-39-5	
1-Methylnaphthalene	0.029 U	mg/kg	0.082	0.029	1	06/19/17 15:25	06/21/17 04:24	90-12-0	
2-Methylnaphthalene	0.033 U	mg/kg	0.082	0.033	1	06/19/17 15:25	06/21/17 04:24	91-57-6	
Naphthalene	0.027 U	mg/kg	0.082	0.027	1	06/19/17 15:25	06/21/17 04:24	91-20-3	
Phenanthrene	0.031 U	mg/kg	0.082	0.031	1	06/19/17 15:25	06/21/17 04:24	85-01-8	
Pyrene	0.25	mg/kg	0.082	0.041	1	06/19/17 15:25	06/21/17 04:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/19/17 15:25	06/21/17 04:24	4165-60-0	
2-Fluorobiphenyl (S)	75	%	32-129		1	06/19/17 15:25	06/21/17 04:24	321-60-8	
Terphenyl-d14 (S)	69	%	38-138		1	06/19/17 15:25	06/21/17 04:24	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/19/17 17:40	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/19/17 17:40	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0050	0.0026	1		06/19/17 17:40	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/19/17 17:40	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-8 E50 (6"-2')** Lab ID: **35318456020** Collected: 06/14/17 15:59 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/19/17 17:40	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/19/17 17:40	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	108-10-1	
Acetone	0.073	mg/kg	0.020	0.010	1		06/19/17 17:40	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/19/17 17:40	75-05-8	
Benzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/19/17 17:40	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/19/17 17:40	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0050	0.0030	1		06/19/17 17:40	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/19/17 17:40	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/19/17 17:40	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/19/17 17:40	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/19/17 17:40	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/19/17 17:40	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/19/17 17:40	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/19/17 17:40	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/19/17 17:40	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/19/17 17:40	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.010	0.0051	1		06/19/17 17:40	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-8 E50 (6"-2') **Lab ID: 35318456020** Collected: 06/14/17 15:59 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/19/17 17:40	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/19/17 17:40	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/19/17 17:40	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/19/17 17:40	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/19/17 17:40	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/19/17 17:40	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0050	0.0031	1		06/19/17 17:40	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/19/17 17:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/19/17 17:40	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/19/17 17:40	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/19/17 17:40	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.8	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 (0-6") **Lab ID: 35318456021** Collected: 06/14/17 17:07 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	8.4	mg/kg	0.68	0.34	1	06/19/17 16:45	06/20/17 23:02	7440-38-2	
Lead	12.4	mg/kg	0.68	0.34	1	06/19/17 16:45	06/20/17 23:02	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.010 I	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 14:53	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 04:46	83-32-9	
Acenaphthylene	0.042	mg/kg	0.039	0.012	1	06/19/17 15:25	06/21/17 04:46	208-96-8	
Anthracene	0.040	mg/kg	0.039	0.012	1	06/19/17 15:25	06/21/17 04:46	120-12-7	
Benzo(a)anthracene	0.058	mg/kg	0.039	0.011	1	06/19/17 15:25	06/21/17 04:46	56-55-3	
Benzo(a)pyrene	0.068	mg/kg	0.039	0.0045	1	06/19/17 15:25	06/21/17 04:46	50-32-8	
Benzo(b)fluoranthene	0.13	mg/kg	0.039	0.029	1	06/19/17 15:25	06/21/17 04:46	205-99-2	
Benzo(g,h,i)perylene	0.053	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 04:46	191-24-2	
Benzo(k)fluoranthene	0.051	mg/kg	0.039	0.0084	1	06/19/17 15:25	06/21/17 04:46	207-08-9	
Chrysene	0.058	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 04:46	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.039	0.019	1	06/19/17 15:25	06/21/17 04:46	53-70-3	
Fluoranthene	0.071	mg/kg	0.039	0.013	1	06/19/17 15:25	06/21/17 04:46	206-44-0	
Fluorene	0.017 U	mg/kg	0.039	0.017	1	06/19/17 15:25	06/21/17 04:46	86-73-7	
Indeno(1,2,3-cd)pyrene	0.043	mg/kg	0.039	0.019	1	06/19/17 15:25	06/21/17 04:46	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 04:46	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.039	0.016	1	06/19/17 15:25	06/21/17 04:46	91-57-6	
Naphthalene	0.013 U	mg/kg	0.039	0.013	1	06/19/17 15:25	06/21/17 04:46	91-20-3	
Phenanthrene	0.016 I	mg/kg	0.039	0.015	1	06/19/17 15:25	06/21/17 04:46	85-01-8	
Pyrene	0.073	mg/kg	0.039	0.019	1	06/19/17 15:25	06/21/17 04:46	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/19/17 15:25	06/21/17 04:46	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/19/17 15:25	06/21/17 04:46	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/19/17 15:25	06/21/17 04:46	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 18:03	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 18:03	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 18:03	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 (0-6") **Lab ID: 35318456021** Collected: 06/14/17 17:07 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 18:03	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 18:03	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	108-10-1	
Acetone	0.046	mg/kg	0.020	0.0099	1		06/19/17 18:03	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.049	0.025	1		06/19/17 18:03	75-05-8	
Benzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0049	0.0036	1		06/19/17 18:03	75-00-3	
Chloroform	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 18:03	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 18:03	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	74-95-3	
Dichlorodifluoromethane	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 18:03	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 18:03	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 18:03	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	75-09-2	
Styrene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	127-18-4	
Toluene	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 18:03	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0049	0.0028	1		06/19/17 18:03	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 18:03	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0049	0.0027	1		06/19/17 18:03	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/19/17 18:03	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.0099	0.0051	1		06/19/17 18:03	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 (0-6") **Lab ID: 35318456021** Collected: 06/14/17 17:07 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 18:03	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 18:03	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0049	0.0026	1		06/19/17 18:03	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 18:03	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 18:03	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0049	0.0029	1		06/19/17 18:03	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0049	0.0030	1		06/19/17 18:03	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0049	0.0025	1		06/19/17 18:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/19/17 18:03	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/19/17 18:03	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/19/17 18:03	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.7	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 (6"-2') **Lab ID: 35318456022** Collected: 06/14/17 17:09 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	10.9	mg/kg	0.66	0.33	1	06/19/17 16:45	06/20/17 23:07	7440-38-2	
Lead	0.33 U	mg/kg	0.66	0.33	1	06/19/17 16:45	06/20/17 23:07	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.050	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 14:57	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 05:09	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 05:09	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 05:09	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.037	0.011	1	06/19/17 15:25	06/21/17 05:09	56-55-3	
Benzo(a)pyrene	0.0044 U	mg/kg	0.037	0.0044	1	06/19/17 15:25	06/21/17 05:09	50-32-8	
Benzo(b)fluoranthene	0.028 U	mg/kg	0.037	0.028	1	06/19/17 15:25	06/21/17 05:09	205-99-2	
Benzo(g,h,i)perylene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 05:09	191-24-2	
Benzo(k)fluoranthene	0.0081 U	mg/kg	0.037	0.0081	1	06/19/17 15:25	06/21/17 05:09	207-08-9	
Chrysene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 05:09	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 05:09	53-70-3	
Fluoranthene	0.012 U	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 05:09	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/19/17 15:25	06/21/17 05:09	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019 U	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 05:09	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/19/17 15:25	06/21/17 05:09	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/19/17 15:25	06/21/17 05:09	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/19/17 15:25	06/21/17 05:09	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.037	0.014	1	06/19/17 15:25	06/21/17 05:09	85-01-8	
Pyrene	0.019 U	mg/kg	0.037	0.019	1	06/19/17 15:25	06/21/17 05:09	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/19/17 15:25	06/21/17 05:09	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/19/17 15:25	06/21/17 05:09	321-60-8	
Terphenyl-d14 (S)	72	%	38-138		1	06/19/17 15:25	06/21/17 05:09	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	630-20-6	
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/19/17 18:27	71-55-6	
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	79-00-5	
1,1-Dichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/19/17 18:27	75-34-3	
1,1-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	75-35-4	
1,1-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	563-58-6	
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	526-73-8	N2
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	120-82-1	
1,2,4-Trimethylbenzene	0.0023 U	mg/kg	0.0042	0.0023	1		06/19/17 18:27	95-63-6	
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-9 (6"-2')** Lab ID: **35318456022** Collected: 06/14/17 17:09 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	107-06-2	
1,2-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	78-87-5	
1,3,5-Trimethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/19/17 18:27	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	541-73-1	
1,3-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	142-28-9	
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0042	0.0022	1		06/19/17 18:27	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	108-10-1	
Acetone	0.030	mg/kg	0.017	0.0083	1		06/19/17 18:27	67-64-1	
Acetonitrile	0.021 U	mg/kg	0.042	0.021	1		06/19/17 18:27	75-05-8	
Benzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	74-97-5	
Bromodichloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	75-25-2	
Bromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	108-90-7	
Chloroethane	0.0030 U	mg/kg	0.0042	0.0030	1		06/19/17 18:27	75-00-3	
Chloroform	0.0025 U	mg/kg	0.0042	0.0025	1		06/19/17 18:27	67-66-3	
Chloromethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/19/17 18:27	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	74-95-3	
Dichlorodifluoromethane	0.0022 U	mg/kg	0.0042	0.0022	1		06/19/17 18:27	75-71-8	
Ethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/19/17 18:27	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	74-88-4	
Isopropylbenzene (Cumene)	0.0024 U	mg/kg	0.0042	0.0024	1		06/19/17 18:27	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	75-09-2	
Styrene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	127-18-4	
Toluene	0.0023 U	mg/kg	0.0042	0.0023	1		06/19/17 18:27	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0042	0.0024	1		06/19/17 18:27	79-01-6	
Trichlorofluoromethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/19/17 18:27	75-69-4	
Vinyl acetate	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	108-05-4	
Vinyl chloride	0.0022 U	mg/kg	0.0042	0.0022	1		06/19/17 18:27	75-01-4	
Xylene (Total)	0.0043 U	mg/kg	0.013	0.0043	1		06/19/17 18:27	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	156-59-2	
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	10061-01-5	
m&p-Xylene	0.0043 U	mg/kg	0.0083	0.0043	1		06/19/17 18:27	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 (6"-2') **Lab ID: 35318456022** Collected: 06/14/17 17:09 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0025 U	mg/kg	0.0042	0.0025	1		06/19/17 18:27	104-51-8	
n-Propylbenzene	0.0022 U	mg/kg	0.0042	0.0022	1		06/19/17 18:27	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0042	0.0022	1		06/19/17 18:27	95-47-6	
p-Isopropyltoluene	0.0025 U	mg/kg	0.0042	0.0025	1		06/19/17 18:27	99-87-6	
sec-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/19/17 18:27	135-98-8	
tert-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/19/17 18:27	98-06-6	
trans-1,2-Dichloroethene	0.0025 U	mg/kg	0.0042	0.0025	1		06/19/17 18:27	156-60-5	
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/19/17 18:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/19/17 18:27	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/19/17 18:27	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/19/17 18:27	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.4	%	0.10	0.10	1		06/22/17 09:36		J(D6)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Sample: SB-9 W25 (0-6") **Lab ID: 35318456023** Collected: 06/14/17 16:47 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.1	mg/kg	0.71	0.36	1	06/19/17 16:45	06/20/17 23:13	7440-38-2	
Lead	9.1	mg/kg	0.71	0.36	1	06/19/17 16:45	06/20/17 23:13	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 U	mg/kg	0.042	0.016	1	06/19/17 15:25	06/21/17 05:32	83-32-9	
Acenaphthylene	0.040 I	mg/kg	0.042	0.013	1	06/19/17 15:25	06/21/17 05:32	208-96-8	
Anthracene	0.032 I	mg/kg	0.042	0.013	1	06/19/17 15:25	06/21/17 05:32	120-12-7	
Benzo(a)anthracene	0.059	mg/kg	0.042	0.012	1	06/19/17 15:25	06/21/17 05:32	56-55-3	
Benzo(a)pyrene	0.063	mg/kg	0.042	0.0050	1	06/19/17 15:25	06/21/17 05:32	50-32-8	
Benzo(b)fluoranthene	0.12	mg/kg	0.042	0.032	1	06/19/17 15:25	06/21/17 05:32	205-99-2	
Benzo(g,h,i)perylene	0.053	mg/kg	0.042	0.015	1	06/19/17 15:25	06/21/17 05:32	191-24-2	
Benzo(k)fluoranthene	0.037 I	mg/kg	0.042	0.0092	1	06/19/17 15:25	06/21/17 05:32	207-08-9	
Chrysene	0.056	mg/kg	0.042	0.015	1	06/19/17 15:25	06/21/17 05:32	218-01-9	
Dibenz(a,h)anthracene	0.021 U	mg/kg	0.042	0.021	1	06/19/17 15:25	06/21/17 05:32	53-70-3	
Fluoranthene	0.066	mg/kg	0.042	0.014	1	06/19/17 15:25	06/21/17 05:32	206-44-0	
Fluorene	0.019 U	mg/kg	0.042	0.019	1	06/19/17 15:25	06/21/17 05:32	86-73-7	
Indeno(1,2,3-cd)pyrene	0.044	mg/kg	0.042	0.021	1	06/19/17 15:25	06/21/17 05:32	193-39-5	
1-Methylnaphthalene	0.015 U	mg/kg	0.042	0.015	1	06/19/17 15:25	06/21/17 05:32	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.042	0.017	1	06/19/17 15:25	06/21/17 05:32	91-57-6	
Naphthalene	0.014 U	mg/kg	0.042	0.014	1	06/19/17 15:25	06/21/17 05:32	91-20-3	
Phenanthrene	0.016 U	mg/kg	0.042	0.016	1	06/19/17 15:25	06/21/17 05:32	85-01-8	
Pyrene	0.071	mg/kg	0.042	0.021	1	06/19/17 15:25	06/21/17 05:32	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	65	%	16-123		1	06/19/17 15:25	06/21/17 05:32	4165-60-0	
2-Fluorobiphenyl (S)	68	%	32-129		1	06/19/17 15:25	06/21/17 05:32	321-60-8	
Terphenyl-d14 (S)	63	%	38-138		1	06/19/17 15:25	06/21/17 05:32	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 18:50	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 18:50	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	75-35-4	
1,1-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	120-82-1	
1,2,4-Trimethylbenzene	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 18:50	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	95-50-1	
1,2-Dichloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	78-87-5	
1,3,5-Trimethylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 18:50	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 W25 (0-6") **Lab ID: 35318456023** Collected: 06/14/17 16:47 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0063	0.0033	1		06/19/17 18:50	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	108-10-1	
Acetone	0.013 U	mg/kg	0.025	0.013	1		06/19/17 18:50	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.063	0.032	1		06/19/17 18:50	75-05-8	
Benzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	75-25-2	
Bromomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	108-90-7	
Chloroethane	0.0045 U	mg/kg	0.0063	0.0045	1		06/19/17 18:50	75-00-3	
Chloroform	0.0037 U	mg/kg	0.0063	0.0037	1		06/19/17 18:50	67-66-3	
Chloromethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 18:50	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 18:50	75-71-8	
Ethylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 18:50	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0063	0.0037	1		06/19/17 18:50	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	75-09-2	
Styrene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	127-18-4	
Toluene	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 18:50	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 18:50	79-01-6	
Trichlorofluoromethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 18:50	75-69-4	
Vinyl acetate	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	108-05-4	
Vinyl chloride	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 18:50	75-01-4	
Xylene (Total)	0.0065 U	mg/kg	0.019	0.0065	1		06/19/17 18:50	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	10061-01-5	
m&p-Xylene	0.0065 U	mg/kg	0.013	0.0065	1		06/19/17 18:50	179601-23-1	
n-Butylbenzene	0.0038 U	mg/kg	0.0063	0.0038	1		06/19/17 18:50	104-51-8	
n-Propylbenzene	0.0033 U	mg/kg	0.0063	0.0033	1		06/19/17 18:50	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0063	0.0033	1		06/19/17 18:50	95-47-6	
p-Isopropyltoluene	0.0038 U	mg/kg	0.0063	0.0038	1		06/19/17 18:50	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 W25 (0-6") **Lab ID: 35318456023** Collected: 06/14/17 16:47 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0037 U	mg/kg	0.0063	0.0037	1		06/19/17 18:50	135-98-8	
tert-Butylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 18:50	98-06-6	
trans-1,2-Dichloroethene	0.0039 U	mg/kg	0.0063	0.0039	1		06/19/17 18:50	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 18:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/19/17 18:50	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/19/17 18:50	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/19/17 18:50	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	21.3	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-9 W25 (6"-2')** Lab ID: **35318456024** Collected: 06/14/17 16:49 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.31 I	mg/kg	0.61	0.30	1	06/19/17 16:45	06/21/17 19:52	7440-38-2	
Lead	1.5 U	mg/kg	3.0	1.5	5	06/19/17 16:45	06/21/17 20:07	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 05:55	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.039	0.012	1	06/19/17 15:25	06/21/17 05:55	208-96-8	
Anthracene	0.012 U	mg/kg	0.039	0.012	1	06/19/17 15:25	06/21/17 05:55	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.039	0.011	1	06/19/17 15:25	06/21/17 05:55	56-55-3	
Benzo(a)pyrene	0.0046 U	mg/kg	0.039	0.0046	1	06/19/17 15:25	06/21/17 05:55	50-32-8	
Benzo(b)fluoranthene	0.030 U	mg/kg	0.039	0.030	1	06/19/17 15:25	06/21/17 05:55	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 05:55	191-24-2	
Benzo(k)fluoranthene	0.0085 U	mg/kg	0.039	0.0085	1	06/19/17 15:25	06/21/17 05:55	207-08-9	
Chrysene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 05:55	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.039	0.020	1	06/19/17 15:25	06/21/17 05:55	53-70-3	
Fluoranthene	0.013 U	mg/kg	0.039	0.013	1	06/19/17 15:25	06/21/17 05:55	206-44-0	
Fluorene	0.018 U	mg/kg	0.039	0.018	1	06/19/17 15:25	06/21/17 05:55	86-73-7	
Indeno(1,2,3-cd)pyrene	0.020 U	mg/kg	0.039	0.020	1	06/19/17 15:25	06/21/17 05:55	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 05:55	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.039	0.016	1	06/19/17 15:25	06/21/17 05:55	91-57-6	
Naphthalene	0.013 U	mg/kg	0.039	0.013	1	06/19/17 15:25	06/21/17 05:55	91-20-3	
Phenanthrene	0.015 U	mg/kg	0.039	0.015	1	06/19/17 15:25	06/21/17 05:55	85-01-8	
Pyrene	0.020 U	mg/kg	0.039	0.020	1	06/19/17 15:25	06/21/17 05:55	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	72	%	16-123		1	06/19/17 15:25	06/21/17 05:55	4165-60-0	
2-Fluorobiphenyl (S)	76	%	32-129		1	06/19/17 15:25	06/21/17 05:55	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/19/17 15:25	06/21/17 05:55	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/19/17 19:13	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/19/17 19:13	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/19/17 19:13	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/19/17 19:13	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: **SB-9 W25 (6"-2')** Lab ID: **35318456024** Collected: 06/14/17 16:49 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0051	0.0027	1		06/19/17 19:13	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	108-10-1	
Acetone	0.034	mg/kg	0.021	0.010	1		06/19/17 19:13	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.051	0.026	1		06/19/17 19:13	75-05-8	
Benzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0051	0.0037	1		06/19/17 19:13	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0051	0.0030	1		06/19/17 19:13	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0051	0.0029	1		06/19/17 19:13	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0051	0.0027	1		06/19/17 19:13	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/19/17 19:13	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0051	0.0030	1		06/19/17 19:13	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	75-09-2	
Styrene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	127-18-4	
Toluene	0.0028 U	mg/kg	0.0051	0.0028	1		06/19/17 19:13	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0051	0.0029	1		06/19/17 19:13	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/19/17 19:13	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0051	0.0028	1		06/19/17 19:13	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.015	0.0053	1		06/19/17 19:13	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	10061-01-5	
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/19/17 19:13	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0051	0.0031	1		06/19/17 19:13	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0051	0.0027	1		06/19/17 19:13	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0051	0.0031	1		06/19/17 19:13	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 W25 (6"-2') **Lab ID: 35318456024** Collected: 06/14/17 16:49 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/19/17 19:13	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/19/17 19:13	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0051	0.0031	1		06/19/17 19:13	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/19/17 19:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/19/17 19:13	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/19/17 19:13	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/19/17 19:13	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.2	%	0.10	0.10	1		06/22/17 09:36		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 E25 (0-6") **Lab ID: 35318456025** Collected: 06/14/17 17:27 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.7	mg/kg	0.60	0.30	1	06/20/17 06:01	06/20/17 13:24	7440-38-2	J(M1), J(R1)
Lead	9.7	mg/kg	3.0	1.5	5	06/20/17 06:01	06/21/17 02:56	7439-92-1	D3, J(M1), J(R1)
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 06:17	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.039	0.012	1	06/19/17 15:25	06/21/17 06:17	208-96-8	
Anthracene	0.012 U	mg/kg	0.039	0.012	1	06/19/17 15:25	06/21/17 06:17	120-12-7	
Benzo(a)anthracene	0.028 I	mg/kg	0.039	0.011	1	06/19/17 15:25	06/21/17 06:17	56-55-3	
Benzo(a)pyrene	0.024 I	mg/kg	0.039	0.0046	1	06/19/17 15:25	06/21/17 06:17	50-32-8	
Benzo(b)fluoranthene	0.046	mg/kg	0.039	0.029	1	06/19/17 15:25	06/21/17 06:17	205-99-2	
Benzo(g,h,i)perylene	0.027 I	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 06:17	191-24-2	
Benzo(k)fluoranthene	0.012 I	mg/kg	0.039	0.0085	1	06/19/17 15:25	06/21/17 06:17	207-08-9	
Chrysene	0.025 I	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 06:17	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.039	0.020	1	06/19/17 15:25	06/21/17 06:17	53-70-3	
Fluoranthene	0.033 I	mg/kg	0.039	0.013	1	06/19/17 15:25	06/21/17 06:17	206-44-0	
Fluorene	0.018 U	mg/kg	0.039	0.018	1	06/19/17 15:25	06/21/17 06:17	86-73-7	
Indeno(1,2,3-cd)pyrene	0.020 I	mg/kg	0.039	0.020	1	06/19/17 15:25	06/21/17 06:17	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.039	0.014	1	06/19/17 15:25	06/21/17 06:17	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.039	0.016	1	06/19/17 15:25	06/21/17 06:17	91-57-6	
Naphthalene	0.013 U	mg/kg	0.039	0.013	1	06/19/17 15:25	06/21/17 06:17	91-20-3	
Phenanthrene	0.015 U	mg/kg	0.039	0.015	1	06/19/17 15:25	06/21/17 06:17	85-01-8	
Pyrene	0.031 I	mg/kg	0.039	0.020	1	06/19/17 15:25	06/21/17 06:17	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	49	%	16-123		1	06/19/17 15:25	06/21/17 06:17	4165-60-0	
2-Fluorobiphenyl (S)	53	%	32-129		1	06/19/17 15:25	06/21/17 06:17	321-60-8	
Terphenyl-d14 (S)	52	%	38-138		1	06/19/17 15:25	06/21/17 06:17	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 19:36	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 19:36	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	75-35-4	
1,1-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	120-82-1	
1,2,4-Trimethylbenzene	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 19:36	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	95-50-1	
1,2-Dichloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	78-87-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 E25 (0-6") **Lab ID: 35318456025** Collected: 06/14/17 17:27 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 19:36	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	541-73-1	
1,3-Dichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0063	0.0033	1		06/19/17 19:36	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	108-10-1	
Acetone	0.013 U	mg/kg	0.025	0.013	1		06/19/17 19:36	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.063	0.032	1		06/19/17 19:36	75-05-8	
Benzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	75-25-2	
Bromomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	108-90-7	
Chloroethane	0.0045 U	mg/kg	0.0063	0.0045	1		06/19/17 19:36	75-00-3	
Chloroform	0.0038 U	mg/kg	0.0063	0.0038	1		06/19/17 19:36	67-66-3	
Chloromethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/19/17 19:36	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 19:36	75-71-8	
Ethylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 19:36	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0063	0.0037	1		06/19/17 19:36	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	75-09-2	
Styrene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	127-18-4	
Toluene	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 19:36	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 19:36	79-01-6	
Trichlorofluoromethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 19:36	75-69-4	
Vinyl acetate	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	108-05-4	
Vinyl chloride	0.0034 U	mg/kg	0.0063	0.0034	1		06/19/17 19:36	75-01-4	
Xylene (Total)	0.0065 U	mg/kg	0.019	0.0065	1		06/19/17 19:36	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	10061-01-5	
m&p-Xylene	0.0065 U	mg/kg	0.013	0.0065	1		06/19/17 19:36	179601-23-1	
n-Butylbenzene	0.0038 U	mg/kg	0.0063	0.0038	1		06/19/17 19:36	104-51-8	
n-Propylbenzene	0.0033 U	mg/kg	0.0063	0.0033	1		06/19/17 19:36	103-65-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 E25 (0-6") **Lab ID: 35318456025** Collected: 06/14/17 17:27 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
o-Xylene	0.0033 U	mg/kg	0.0063	0.0033	1		06/19/17 19:36	95-47-6	
p-Isopropyltoluene	0.0038 U	mg/kg	0.0063	0.0038	1		06/19/17 19:36	99-87-6	
sec-Butylbenzene	0.0037 U	mg/kg	0.0063	0.0037	1		06/19/17 19:36	135-98-8	
tert-Butylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/19/17 19:36	98-06-6	
trans-1,2-Dichloroethene	0.0039 U	mg/kg	0.0063	0.0039	1		06/19/17 19:36	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/19/17 19:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/19/17 19:36	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/19/17 19:36	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/19/17 19:36	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.5	%	0.10	0.10	1		06/22/17 09:36		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 E25 (6"-2') **Lab ID: 35318456026** Collected: 06/14/17 17:29 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	311	mg/kg	6.3	3.2	1	06/20/17 06:01	06/20/17 16:11	7429-90-5	
Antimony	2.4 U	mg/kg	4.8	2.4	5	06/20/17 06:01	06/21/17 03:00	7440-36-0	D3
Arsenic	1.6 U	mg/kg	3.2	1.6	5	06/20/17 06:01	06/21/17 03:00	7440-38-2	D3
Barium	6.7	mg/kg	0.63	0.32	1	06/20/17 06:01	06/20/17 16:11	7440-39-3	
Beryllium	0.16 U	mg/kg	0.32	0.16	5	06/20/17 06:01	06/21/17 03:00	7440-41-7	D3
Boron	7.9 U	mg/kg	15.9	7.9	5	06/20/17 06:01	06/21/17 03:00	7440-42-8	D3
Cadmium	0.16 U	mg/kg	0.32	0.16	5	06/20/17 06:01	06/21/17 03:00	7440-43-9	D3
Calcium	329000	mg/kg	31700	15900	1000	06/20/17 06:01	06/21/17 18:19	7440-70-2	
Chromium	3.3	mg/kg	0.32	0.16	1	06/20/17 06:01	06/20/17 16:11	7440-47-3	
Cobalt	1.6 U	mg/kg	3.2	1.6	5	06/20/17 06:01	06/21/17 03:00	7440-48-4	D3
Copper	2.1	mg/kg	1.6	0.79	5	06/20/17 06:01	06/21/17 03:00	7440-50-8	D3
Iron	395	mg/kg	12.7	6.3	5	06/20/17 06:01	06/21/17 03:00	7439-89-6	D3
Lead	1.6 U	mg/kg	3.2	1.6	5	06/20/17 06:01	06/21/17 03:00	7439-92-1	D3
Magnesium	498	mg/kg	31.7	15.9	1	06/20/17 06:01	06/20/17 16:11	7439-95-4	
Manganese	4.0	mg/kg	1.6	0.79	5	06/20/17 06:01	06/21/17 03:00	7439-96-5	D3
Molybdenum	1.6 U	mg/kg	3.2	1.6	5	06/20/17 06:01	06/21/17 03:00	7439-98-7	D3
Nickel	0.79 U	mg/kg	1.6	0.79	5	06/20/17 06:01	06/21/17 03:00	7440-02-0	D3
Potassium	31.7 U	mg/kg	63.5	31.7	1	06/20/17 06:01	06/20/17 16:11	7440-09-7	
Selenium	2.4 U	mg/kg	4.8	2.4	5	06/20/17 06:01	06/21/17 03:00	7782-49-2	D3
Silver	0.79 U	mg/kg	1.6	0.79	5	06/20/17 06:01	06/21/17 03:00	7440-22-4	D3
Sodium	569	mg/kg	317	159	5	06/20/17 06:01	06/21/17 03:00	7440-23-5	D3
Strontium	3820	mg/kg	6.3	3.2	10	06/20/17 06:01	06/21/17 13:03	7440-24-6	
Thallium	2.4 U	mg/kg	4.8	2.4	5	06/20/17 06:01	06/21/17 03:00	7440-28-0	D3
Tin	1.6 U	mg/kg	3.2	1.6	1	06/20/17 06:01	06/20/17 16:11	7440-31-5	
Vanadium	1.6 U	mg/kg	3.2	1.6	5	06/20/17 06:01	06/21/17 03:00	7440-62-2	D3
Zinc	6.7	mg/kg	6.3	3.2	5	06/20/17 06:01	06/21/17 03:00	7440-66-6	D3

8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/19/17 15:25	06/21/17 06:40	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.038	0.012	1	06/19/17 15:25	06/21/17 06:40	208-96-8	
Anthracene	0.012 U	mg/kg	0.038	0.012	1	06/19/17 15:25	06/21/17 06:40	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.038	0.011	1	06/19/17 15:25	06/21/17 06:40	56-55-3	
Benzo(a)pyrene	0.0045 U	mg/kg	0.038	0.0045	1	06/19/17 15:25	06/21/17 06:40	50-32-8	
Benzo(b)fluoranthene	0.029 U	mg/kg	0.038	0.029	1	06/19/17 15:25	06/21/17 06:40	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.038	0.014	1	06/19/17 15:25	06/21/17 06:40	191-24-2	
Benzo(k)fluoranthene	0.0082 U	mg/kg	0.038	0.0082	1	06/19/17 15:25	06/21/17 06:40	207-08-9	
Chrysene	0.014 U	mg/kg	0.038	0.014	1	06/19/17 15:25	06/21/17 06:40	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.038	0.019	1	06/19/17 15:25	06/21/17 06:40	53-70-3	
Fluoranthene	0.012 U	mg/kg	0.038	0.012	1	06/19/17 15:25	06/21/17 06:40	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/19/17 15:25	06/21/17 06:40	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019 U	mg/kg	0.038	0.019	1	06/19/17 15:25	06/21/17 06:40	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.038	0.013	1	06/19/17 15:25	06/21/17 06:40	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.038	0.015	1	06/19/17 15:25	06/21/17 06:40	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/19/17 15:25	06/21/17 06:40	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.038	0.014	1	06/19/17 15:25	06/21/17 06:40	85-01-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Sample: SB-9 E25 (6"-2') **Lab ID: 35318456026** Collected: 06/14/17 17:29 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Pyrene	0.019 U	mg/kg	0.038	0.019	1	06/19/17 15:25	06/21/17 06:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	16-123		1	06/19/17 15:25	06/21/17 06:40	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	06/19/17 15:25	06/21/17 06:40	321-60-8	
Terphenyl-d14 (S)	67	%	38-138		1	06/19/17 15:25	06/21/17 06:40	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/19/17 19:59	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/19/17 19:59	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/19/17 19:59	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/19/17 19:59	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	108-10-1	
Acetone	0.22	mg/kg	0.021	0.011	1		06/19/17 19:59	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.053	0.026	1		06/19/17 19:59	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/19/17 19:59	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/19/17 19:59	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0053	0.0031	1		06/19/17 19:59	67-66-3	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Sample: SB-9 E25 (6"-2') **Lab ID: 35318456026** Collected: 06/14/17 17:29 Received: 06/15/17 11:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/19/17 19:59	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/19/17 19:59	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	75-09-2	
Styrene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	127-18-4	
Toluene	0.0028 U	mg/kg	0.0053	0.0028	1		06/19/17 19:59	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/19/17 19:59	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/19/17 19:59	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0053	0.0028	1		06/19/17 19:59	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/19/17 19:59	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.011	0.0054	1		06/19/17 19:59	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/19/17 19:59	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/19/17 19:59	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/19/17 19:59	95-47-6	
p-Isopropyltoluene	0.0050 I	mg/kg	0.0053	0.0032	1		06/19/17 19:59	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/19/17 19:59	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0053	0.0032	1		06/19/17 19:59	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/19/17 19:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		06/19/17 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/19/17 19:59	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/19/17 19:59	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.6	%	0.10	0.10	1		06/22/17 09:36		

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch: 375981

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 35318456007, 35318456008

METHOD BLANK: 2035927

Matrix: Solid

Associated Lab Samples: 35318456007, 35318456008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0050 U	0.0099	0.0050	06/20/17 14:02	

LABORATORY CONTROL SAMPLE: 2035928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.097	0.097	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035929 2035930

Parameter	Units	2035929		2035930		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35316553001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/kg	0.43	.16	.14	0.50	0.44	44	6	80-120	13	20 J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch: 375846 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35318456001, 35318456002, 35318456003, 35318456004

METHOD BLANK: 2034952 Matrix: Solid
Associated Lab Samples: 35318456001, 35318456002, 35318456003, 35318456004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.29 U	0.58	0.29	06/20/17 10:04	
Lead	mg/kg	0.29 U	0.58	0.29	06/20/17 10:04	

LABORATORY CONTROL SAMPLE: 2034953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.9	14.3	96	80-120	
Lead	mg/kg	14.9	15.4	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034954 2034955

Parameter	Units	35317924038 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Arsenic	mg/kg	0.59	13	12.4	13.7	11.9	101	91	75-125	14	20	
Lead	mg/kg	0.49 I	13	12.4	13.5	11.4	101	88	75-125	17	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch:	375897	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET Solid
Associated Lab Samples:	35318456005, 35318456006, 35318456007, 35318456008, 35318456009, 35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456015, 35318456016, 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024		

METHOD BLANK:	2035107	Matrix:	Solid
Associated Lab Samples:	35318456005, 35318456006, 35318456007, 35318456008, 35318456009, 35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456015, 35318456016, 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	06/20/17 20:45	
Barium	mg/kg	0.30 U	0.60	0.30	06/20/17 20:45	
Cadmium	mg/kg	0.030 U	0.060	0.030	06/20/17 20:45	
Chromium	mg/kg	0.15 U	0.30	0.15	06/20/17 20:45	
Lead	mg/kg	0.30 U	0.60	0.30	06/20/17 20:45	
Selenium	mg/kg	0.45 U	0.90	0.45	06/20/17 20:45	
Silver	mg/kg	0.15 U	0.30	0.15	06/20/17 20:45	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.5	14.0	97	80-120	
Barium	mg/kg	14.5	14.5	100	80-120	
Cadmium	mg/kg	1.4	1.5	102	80-120	
Chromium	mg/kg	14.5	15.4	106	80-120	
Lead	mg/kg	14.5	15.4	106	80-120	
Selenium	mg/kg	14.5	13.0	90	80-120	
Silver	mg/kg	1.4	1.7	119	80-120	

Parameter	Units	2035109		2035110		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Arsenic	mg/kg	2.0	14.1	14.8	16.9	91	102	75-125	26	20	J(R1)
Barium	mg/kg	8.9	14.1	23.6	16.9	105	121	75-125	22	20	J(R1)
Cadmium	mg/kg	0.32	1.4	1.6	1.7	89	98	75-125	23	20	J(R1)
Chromium	mg/kg	15.3	14.1	29.1	16.9	98	74	75-125	5	20	J(M1)
Lead	mg/kg	14.3	14.1	26.5	16.9	87	74	75-125	1	20	J(M1)
Selenium	mg/kg	0.53 U	14.1	12.7	16.9	86	98	75-125	30	20	J(R1)
Silver	mg/kg	0.18 U	1.4	1.6	1.7	109	122	75-125	27	20	J(R1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch: 375948 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35318456025, 35318456026

METHOD BLANK: 2035777 Matrix: Solid

Associated Lab Samples: 35318456025, 35318456026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/kg	3.1 U	6.2	3.1	06/20/17 13:00	
Antimony	mg/kg	0.46 U	0.93	0.46	06/20/17 13:00	
Arsenic	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Barium	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Beryllium	mg/kg	0.031 U	0.062	0.031	06/20/17 13:00	
Boron	mg/kg	1.5 U	3.1	1.5	06/20/17 13:00	
Cadmium	mg/kg	0.031 U	0.062	0.031	06/20/17 13:00	
Calcium	mg/kg	15.4 U	30.9	15.4	06/20/17 13:00	
Chromium	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Cobalt	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Copper	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Iron	mg/kg	1.2 U	2.5	1.2	06/20/17 13:00	
Lead	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Magnesium	mg/kg	15.4 U	30.9	15.4	06/20/17 13:00	
Manganese	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Molybdenum	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Nickel	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Potassium	mg/kg	30.9 U	61.7	30.9	06/20/17 13:00	
Selenium	mg/kg	0.46 U	0.93	0.46	06/20/17 13:00	
Silver	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Sodium	mg/kg	30.9 U	61.7	30.9	06/20/17 13:00	
Strontium	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Thallium	mg/kg	0.46 U	0.93	0.46	06/20/17 13:00	
Tin	mg/kg	1.5 U	3.1	1.5	06/20/17 13:00	
Vanadium	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Zinc	mg/kg	0.62 U	1.2	0.62	06/20/17 13:00	

LABORATORY CONTROL SAMPLE: 2035778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	138	142	102	80-120	
Antimony	mg/kg	13.8	14.6	105	80-120	
Arsenic	mg/kg	13.8	13.5	98	80-120	
Barium	mg/kg	13.8	14.8	107	80-120	
Beryllium	mg/kg	1.4	1.4	103	80-120	
Boron	mg/kg	138	133	96	80-120	
Cadmium	mg/kg	1.4	1.4	104	80-120	
Calcium	mg/kg	692	706	102	80-120	
Chromium	mg/kg	13.8	15.2	109	80-120	
Cobalt	mg/kg	13.8	14.8	107	80-120	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2035778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/kg	13.8	14.5	105	80-120	
Iron	mg/kg	138	143	104	80-120	
Lead	mg/kg	13.8	14.7	106	80-120	
Magnesium	mg/kg	692	701	101	80-120	
Manganese	mg/kg	13.8	15.3	110	80-120	
Molybdenum	mg/kg	13.8	15.1	109	80-120	
Nickel	mg/kg	13.8	15.0	108	80-120	
Potassium	mg/kg	692	737	106	80-120	
Selenium	mg/kg	13.8	13.2	95	80-120	
Silver	mg/kg	1.4	1.6	113	80-120	
Sodium	mg/kg	692	754	109	80-120	
Strontium	mg/kg	13.8	14.7	106	80-120	
Thallium	mg/kg	13.8	15.0	109	80-120	
Tin	mg/kg	69.2	74.2	107	80-120	
Vanadium	mg/kg	13.8	15.0	108	80-120	
Zinc	mg/kg	69.2	71.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035779 2035780

Parameter	Units	2035779		2035780		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		35318456025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Aluminum	mg/kg	1070	160	181	1500	1100	263	15	75-125	30	20	J(M1), J(R1)
Antimony	mg/kg	2.3 U	16	18.1	19.1	1.5	113	2	75-125	171	20	J(M1), J(R1)
Arsenic	mg/kg	1.7	16	18.1	20.2	2.0	116	2	75-125	164	20	J(M1), J(R1)
Barium	mg/kg	12.6	16	18.1	30.6	12.8	112	1	75-125	82	20	J(M1), J(R1)
Beryllium	mg/kg	0.15 U	1.7	1.8	1.6	0.036 U	91	-4	75-125		20	J(M1)
Boron	mg/kg	7.8 I	160	181	176	6.7	105	-1	75-125	185	20	J(M1), J(R1)
Cadmium	mg/kg	0.15 U	1.7	1.8	1.6	0.12	96	2	75-125	173	20	J(M1), J(R1)
Calcium	mg/kg	211000	801	908	225000	221000	1680	1060	75-125	2	20	J(M1), L
Chromium	mg/kg	6.7	16	18.1	22.5	6.4	99	-2	75-125	112	20	J(M1), J(R1)
Cobalt	mg/kg	1.5 U	16	18.1	15.6	0.36 U	96	1	75-125		20	J(M1)
Copper	mg/kg	10	16	18.1	31.4	11.2	134	7	75-125	95	20	J(M1), J(R1)
Iron	mg/kg	1510	160	181	1850	1740	212	130	75-125	6	20	J(M1)
Lead	mg/kg	9.7	16	18.1	24.6	9.4	93	-2	75-125	90	20	J(M1), J(R1)
Magnesium	mg/kg	558	801	908	1390	555	104	0	75-125	86	20	J(M1), J(R1)
Manganese	mg/kg	18.2	16	18.1	37.0	21.6	117	19	75-125	53	20	J(M1), J(R1)
Molybdenum	mg/kg	1.5 U	16	18.1	16.9	0.60 I	100	-1	75-125		20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035779		2035780		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		35318456025 Result	MS Spike Conc.	MSD Spike Conc.									
Nickel	mg/kg	1.4 I	16	18.1	17.0	1.9	97	3	75-125	159	20	J(M1), J(R1)	
Potassium	mg/kg	109	801	908	1120	98.6	126	-1	75-125	168	20	J(M1), J(R1)	
Selenium	mg/kg	0.45 U	16	18.1	17.2	0.54 U	107	0	75-125		20	J(M1)	
Silver	mg/kg	0.75 U	1.7	1.8	2.0	0.18 U	126	0	75-125		20	J(M1)	
Sodium	mg/kg	328	801	908	1340	414	126	9	75-125	106	20	J(M1), J(R1)	
Strontium	mg/kg	2420	16	18.1	2510	2470	588	293	75-125	2	20	J(M1)	
Thallium	mg/kg	2.3 U	16	18.1	13.0	0.54 U	79	-2	75-125		20	J(M1)	
Tin	mg/kg	1.8 I	80.1	90.8	78.5	2.0 I	96	0	75-125		20	J(M1)	
Vanadium	mg/kg	1.9 I	16	18.1	19.3	2.0	109	1	75-125	162	20	J(M1), J(R1)	
Zinc	mg/kg	90.6	80.1	90.8	195	98.2	130	8	75-125	66	20	J(M1), J(R1)	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

QC Batch: 379527 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35318456001, 35318456004, 35318456008, 35318456010

METHOD BLANK: 2057214 Matrix: Water
Associated Lab Samples: 35318456001, 35318456004, 35318456008, 35318456010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/08/17 21:55	

LABORATORY CONTROL SAMPLE & LCSD: 2057215

Parameter	Units	2057220								
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/L	.25	0.26	0.27	104	108	80-120	3	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

QC Batch: 380321 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35318456016, 35318456018, 35318456020, 35318456021, 35318456022

METHOD BLANK: 2061948 Matrix: Water
Associated Lab Samples: 35318456016, 35318456018, 35318456020, 35318456021, 35318456022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/13/17 10:38	

LABORATORY CONTROL SAMPLE: 2061949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.25	0.26	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2061950 2061951

Parameter	Units	2061950		2061951		% Rec	% Rec	% Rec	Limits	RPD	RPD	Max Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.							
Arsenic	mg/L	0.066	.5	0.34	.5	55	53	75-125	3	20	J(M1)	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

QC Batch: 379342 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 35318456012

METHOD BLANK: 2055564 Matrix: Water
Associated Lab Samples: 35318456012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/L	0.050 U	0.10	0.050	07/08/17 21:56	

LABORATORY CONTROL SAMPLE: 2055565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	2.5	2.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055566 2055567

Parameter	Units	2055566		2055567		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Lead	mg/L	0.15	2.5	2.5	2.8	104	107	75-125	2	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

QC Batch: 375527 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35318456001, 35318456002, 35318456003, 35318456004, 35318456005, 35318456006, 35318456007, 35318456008, 35318456009, 35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456016

METHOD BLANK: 2032915 Matrix: Solid
Associated Lab Samples: 35318456001, 35318456002, 35318456003, 35318456004, 35318456005, 35318456006, 35318456007, 35318456008, 35318456009, 35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/17/17 03:24	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/17/17 03:24	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	06/17/17 03:24	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/17/17 03:24	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/17/17 03:24	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/17/17 03:24	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Acetone	mg/kg	0.010 U	0.020	0.010	06/17/17 03:24	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/17/17 03:24	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	06/17/17 03:24	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/17/17 03:24	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	06/17/17 03:24	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

METHOD BLANK: 2032915

Matrix: Solid

Associated Lab Samples: 35318456001, 35318456002, 35318456003, 35318456004, 35318456005, 35318456006, 35318456007, 35318456008, 35318456009, 35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/17/17 03:24	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/17/17 03:24	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/17/17 03:24	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/17/17 03:24	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/17/17 03:24	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/17/17 03:24	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/17/17 03:24	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/17/17 03:24	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/17/17 03:24	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/17/17 03:24	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/17/17 03:24	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/17/17 03:24	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/17/17 03:24	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/17/17 03:24	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/17/17 03:24	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/17/17 03:24	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/17/17 03:24	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/17/17 03:24	
1,2-Dichloroethane-d4 (S)	%	90	80-131		06/17/17 03:24	
4-Bromofluorobenzene (S)	%	100	55-148		06/17/17 03:24	
Toluene-d8 (S)	%	101	84-117		06/17/17 03:24	

LABORATORY CONTROL SAMPLE: 2032916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.019	97	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	98	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	98	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	105	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	102	69-130	
1,1-Dichloroethene	mg/kg	.02	0.022	112	67-130	
1,1-Dichloropropene	mg/kg	.02	0.022	108	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2032916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	mg/kg	.02	0.021	103	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	105	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.019	93	67-130	N2
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	101	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	93	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,2-Dichloroethane	mg/kg	.02	0.021	103	70-130	
1,2-Dichloropropane	mg/kg	.02	0.021	103	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	96	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	100	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	105	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	100	70-130	
2,2-Dichloropropane	mg/kg	.02	0.018	92	70-130	
2-Butanone (MEK)	mg/kg	.04	0.036	91	51-161	
2-Chlorotoluene	mg/kg	.02	0.020	98	70-130	
2-Hexanone	mg/kg	.04	0.034	85	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	98	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.037	93	64-143	
Acetone	mg/kg	.04	0.043	107	32-175	
Acetonitrile	mg/kg	.2	0.18	89	68-131	
Benzene	mg/kg	.02	0.022	109	70-130	
Bromobenzene	mg/kg	.02	0.019	94	70-130	
Bromochloromethane	mg/kg	.02	0.022	109	70-130	
Bromodichloromethane	mg/kg	.02	0.019	94	70-130	
Bromoform	mg/kg	.02	0.013	67	70-130	J(L2)
Bromomethane	mg/kg	.02	0.020	99	42-156	
Carbon disulfide	mg/kg	.02	0.016	81	49-152	
Carbon tetrachloride	mg/kg	.02	0.018	92	65-132	
Chlorobenzene	mg/kg	.02	0.021	104	70-130	
Chloroethane	mg/kg	.02	0.023	115	56-146	
Chloroform	mg/kg	.02	0.020	101	69-130	
Chloromethane	mg/kg	.02	0.020	98	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	104	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.020	99	70-130	
Dibromochloromethane	mg/kg	.02	0.018	90	70-130	
Dibromomethane	mg/kg	.02	0.021	107	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.021	106	58-138	
Ethylbenzene	mg/kg	.02	0.021	104	70-130	
Iodomethane	mg/kg	.04	0.041	102	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	103	70-130	
m&p-Xylene	mg/kg	.04	0.040	99	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.018	89	70-130	
Methylene Chloride	mg/kg	.02	0.021	104	40-159	
n-Butylbenzene	mg/kg	.02	0.019	94	70-130	
n-Propylbenzene	mg/kg	.02	0.020	100	70-130	
o-Xylene	mg/kg	.02	0.020	99	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	93	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2032916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	mg/kg	.02	0.019	97	70-130	
Styrene	mg/kg	.02	0.020	101	70-130	
tert-Butylbenzene	mg/kg	.02	0.020	99	70-130	
Tetrachloroethene	mg/kg	.02	0.020	101	63-130	
Toluene	mg/kg	.02	0.021	105	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.020	102	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	93	70-130	
Trichloroethene	mg/kg	.02	0.021	107	69-130	
Trichlorofluoromethane	mg/kg	.02	0.023	113	67-130	
Vinyl acetate	mg/kg	.02	0.019	94	53-146	
Vinyl chloride	mg/kg	.02	0.020	100	67-130	
Xylene (Total)	mg/kg	.06	0.059	99	70-130	
1,2-Dichloroethane-d4 (S)	%			96	80-131	
4-Bromofluorobenzene (S)	%			101	55-148	
Toluene-d8 (S)	%			101	84-117	

MATRIX SPIKE SAMPLE: 2035309

Parameter	Units	35318456002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0024 U	.018	0.0077	41	42-130	J(M1)
1,1,1-Trichloroethane	mg/kg	0.0026 U	.018	0.016	87	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0024 U	.018	0.0086	46	50-130	J(M1)
1,1,2-Trichloroethane	mg/kg	0.0024 U	.018	0.012	65	59-130	
1,1-Dichloroethane	mg/kg	0.0026 U	.018	0.017	93	50-130	
1,1-Dichloroethene	mg/kg	0.0024 U	.018	0.021	111	51-130	
1,1-Dichloropropene	mg/kg	0.0024 U	.018	0.014	75	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0024 U	.018	0.0023 U	8	20-143	J(M1)
1,2,3-Trichloropropane	mg/kg	0.0024 U	.018	0.010	55	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0024 U	.018	0.0034 I	18	20-130	J(M1),N2
1,2,4-Trichlorobenzene	mg/kg	0.0024 U	.018	0.0023 U	9	20-142	J(M1)
1,2,4-Trimethylbenzene	mg/kg	0.0027 U	.018	0.0028 I	15	20-133	J(M1)
1,2-Dichlorobenzene	mg/kg	0.0024 U	.018	0.0030 I	16	20-134	J(M1)
1,2-Dichloroethane	mg/kg	0.0024 U	.018	0.015	79	57-130	
1,2-Dichloropropane	mg/kg	0.0024 U	.018	0.014	74	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0027 U	.018	0.0031 I	17	26-130	J(M1)
1,3-Dichlorobenzene	mg/kg	0.0024 U	.018	0.0028 I	15	20-133	J(M1)
1,3-Dichloropropane	mg/kg	0.0024 U	.018	0.012	62	57-130	
1,4-Dichlorobenzene	mg/kg	0.0024 U	.018	0.0028 I	15	20-134	J(M1)
2,2-Dichloropropane	mg/kg	0.0025 U	.018	0.016	85	35-130	
2-Butanone (MEK)	mg/kg	0.0024 U	.037	0.028	75	20-217	
2-Chlorotoluene	mg/kg	0.0024 U	.018	0.0036 I	19	26-130	J(M1)
2-Hexanone	mg/kg	0.0024 U	.037	0.018	48	20-136	
4-Chlorotoluene	mg/kg	0.0024 U	.018	0.0031 I	16	21-132	J(M1)
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0024 U	.037	0.026	71	21-151	
Acetone	mg/kg	0.097	.037	0.12	65	20-219	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

MATRIX SPIKE SAMPLE: 2035309		35318456002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Acetonitrile	mg/kg	0.024 U	.18	0.12	66	32-150	
Benzene	mg/kg	0.0024 U	.018	0.014	77	24-141	
Bromobenzene	mg/kg	0.0024 U	.018	0.0041 I	22	20-138	
Bromochloromethane	mg/kg	0.0024 U	.018	0.016	85	53-141	
Bromodichloromethane	mg/kg	0.0024 U	.018	0.011	58	20-155	
Bromoform	mg/kg	0.0024 U	.018	0.0043 I	23	30-130 J(M0)	
Bromomethane	mg/kg	0.0024 U	.018	0.016	87	22-152	
Carbon disulfide	mg/kg	0.0024 U	.018	0.011	60	20-160	
Carbon tetrachloride	mg/kg	0.0024 U	.018	0.014	73	23-141	
Chlorobenzene	mg/kg	0.0024 U	.018	0.0057	31	34-130 J(M1)	
Chloroethane	mg/kg	0.0034 U	.018	0.022	117	43-146	
Chloroform	mg/kg	0.0028 U	.018	0.015	82	42-132	
Chloromethane	mg/kg	0.0027 U	.018	0.021	111	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0024 U	.018	0.014	76	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0024 U	.018	0.0088	47	33-132	
Dibromochloromethane	mg/kg	0.0024 U	.018	0.0079	42	20-151	
Dibromomethane	mg/kg	0.0024 U	.018	0.013	71	49-137	
Dichlorodifluoromethane	mg/kg	0.0025 U	.018	0.028	151	39-130 J(M1)	
Ethylbenzene	mg/kg	0.0027 U	.018	0.0053	29	30-130 J(M1)	
Iodomethane	mg/kg	0.0024 U	.037	0.026	71	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0028 U	.018	0.0039 I	21	28-130 J(M1)	
m&p-Xylene	mg/kg	0.0049 U	.037	0.0092 I	25	27-150 J(M1)	
Methyl-tert-butyl ether	mg/kg	0.0024 U	.018	0.014	73	31-156	
Methylene Chloride	mg/kg	0.0024 U	.018	0.0055	30	20-150	
n-Butylbenzene	mg/kg	0.0029 U	.018	0.0028 U	9	20-132 J(M1)	
n-Propylbenzene	mg/kg	0.0025 U	.018	0.0031 I	16	24-130 J(M1)	
o-Xylene	mg/kg	0.0024 U	.018	0.0049	26	27-150 J(M1)	
p-Isopropyltoluene	mg/kg	0.0029 U	.018	0.0028 U	11	20-133 J(M1)	
sec-Butylbenzene	mg/kg	0.0027 U	.018	0.0027 U	13	20-131 J(M1)	
Styrene	mg/kg	0.0024 U	.018	0.0037 I	20	20-137	
tert-Butylbenzene	mg/kg	0.0027 U	.018	0.0032 I	17	20-131 J(M1)	
Tetrachloroethene	mg/kg	0.0024 U	.018	0.0069	37	23-144	
Toluene	mg/kg	0.0026 U	.018	0.0088	47	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0029 U	.018	0.016	85	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0024 U	.018	0.0075	40	33-130	
Trichloroethene	mg/kg	0.0027 U	.018	0.011	60	42-130	
Trichlorofluoromethane	mg/kg	0.0026 U	.018	0.025	132	40-130 J(M1)	
Vinyl acetate	mg/kg	0.0024 U	.018	0.0042 I	23	20-156	
Vinyl chloride	mg/kg	0.0026 U	.018	0.023	122	47-130	
Xylene (Total)	mg/kg	0.0049 U	.055	0.0049 I	9	26-130 MS	
1,2-Dichloroethane-d4 (S)	%				91	80-131	
4-Bromofluorobenzene (S)	%				98	55-148	
Toluene-d8 (S)	%				99	84-117	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

SAMPLE DUPLICATE: 2035310

Parameter	Units	35318456003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0024 U	0.0026 U		40	
1,1,1-Trichloroethane	mg/kg	0.0026 U	0.0029 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0024 U	0.0026 U		40	
1,1,2-Trichloroethane	mg/kg	0.0024 U	0.0026 U		40	
1,1-Dichloroethane	mg/kg	0.0026 U	0.0029 U		40	
1,1-Dichloroethene	mg/kg	0.0024 U	0.0026 U		40	
1,1-Dichloropropene	mg/kg	0.0024 U	0.0027 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0024 U	0.0026 U		40	
1,2,3-Trichloropropane	mg/kg	0.0024 U	0.0026 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0024 U	0.0026 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0024 U	0.0026 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0027 U	0.0030 U		40	
1,2-Dichlorobenzene	mg/kg	0.0024 U	0.0026 U		40	
1,2-Dichloroethane	mg/kg	0.0024 U	0.0026 U		40	
1,2-Dichloropropane	mg/kg	0.0024 U	0.0026 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0027 U	0.0030 U		40	
1,3-Dichlorobenzene	mg/kg	0.0024 U	0.0026 U		40	
1,3-Dichloropropane	mg/kg	0.0024 U	0.0026 U		40	
1,4-Dichlorobenzene	mg/kg	0.0024 U	0.0026 U		40	
2,2-Dichloropropane	mg/kg	0.0025 U	0.0027 U		40	
2-Butanone (MEK)	mg/kg	0.0024 U	0.0026 U		40	
2-Chlorotoluene	mg/kg	0.0024 U	0.0026 U		40	
2-Hexanone	mg/kg	0.0024 U	0.0026 U		40	
4-Chlorotoluene	mg/kg	0.0024 U	0.0026 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0024 U	0.0026 U		40	
Acetone	mg/kg	0.062	0.13	70	40	J(D6)
Acetonitrile	mg/kg	0.024 U	0.026 U		40	
Benzene	mg/kg	0.0024 U	0.0027 U		40	
Bromobenzene	mg/kg	0.0024 U	0.0026 U		40	
Bromochloromethane	mg/kg	0.0024 U	0.0026 U		40	
Bromodichloromethane	mg/kg	0.0024 U	0.0026 U		40	
Bromoform	mg/kg	0.0024 U	0.0026 U		40	
Bromomethane	mg/kg	0.0024 U	0.0026 U		40	
Carbon disulfide	mg/kg	0.0024 U	0.0026 U		40	
Carbon tetrachloride	mg/kg	0.0024 U	0.0026 U		40	
Chlorobenzene	mg/kg	0.0024 U	0.0026 U		40	
Chloroethane	mg/kg	0.0034 U	0.0038 U		40	
Chloroform	mg/kg	0.0028 U	0.0031 U		40	
Chloromethane	mg/kg	0.0027 U	0.0030 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0024 U	0.0026 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0024 U	0.0026 U		40	
Dibromochloromethane	mg/kg	0.0024 U	0.0026 U		40	
Dibromomethane	mg/kg	0.0024 U	0.0026 U		40	
Dichlorodifluoromethane	mg/kg	0.0025 U	0.0028 U		40	
Ethylbenzene	mg/kg	0.0027 U	0.0030 U		40	
Iodomethane	mg/kg	0.0024 U	0.0026 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0028 U	0.0031 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

SAMPLE DUPLICATE: 2035310

Parameter	Units	35318456003 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	mg/kg	0.0049 U	0.0054 U		40	
Methyl-tert-butyl ether	mg/kg	0.0024 U	0.0026 U		40	
Methylene Chloride	mg/kg	0.0024 U	0.0026 U		40	
n-Butylbenzene	mg/kg	0.0029 U	0.0032 U		40	
n-Propylbenzene	mg/kg	0.0025 U	0.0028 U		40	
o-Xylene	mg/kg	0.0025 U	0.0027 U		40	
p-Isopropyltoluene	mg/kg	0.0029 U	0.0032 U		40	
sec-Butylbenzene	mg/kg	0.0028 U	0.0030 U		40	
Styrene	mg/kg	0.0024 U	0.0026 U		40	
tert-Butylbenzene	mg/kg	0.0027 U	0.0030 U		40	
Tetrachloroethene	mg/kg	0.0024 U	0.0026 U		40	
Toluene	mg/kg	0.0026 U	0.0028 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0029 U	0.0032 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0024 U	0.0026 U		40	
Trichloroethene	mg/kg	0.0027 U	0.0030 U		40	
Trichlorofluoromethane	mg/kg	0.0026 U	0.0029 U		40	
Vinyl acetate	mg/kg	0.0024 U	0.0027 U		40	
Vinyl chloride	mg/kg	0.0026 U	0.0028 U		40	
Xylene (Total)	mg/kg	0.0049 U	0.0054 U		40	
1,2-Dichloroethane-d4 (S)	%	94	94	11	40	
4-Bromofluorobenzene (S)	%	99	100	11	40	
Toluene-d8 (S)	%	100	101	11	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch: 375808 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
 Associated Lab Samples: 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024, 35318456025, 35318456026

METHOD BLANK: 2034834 Matrix: Solid
 Associated Lab Samples: 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024, 35318456025, 35318456026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/19/17 11:36	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/19/17 11:36	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	06/19/17 11:36	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/19/17 11:36	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/19/17 11:36	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/19/17 11:36	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Acetone	mg/kg	0.010 U	0.020	0.010	06/19/17 11:36	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/19/17 11:36	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	06/19/17 11:36	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/19/17 11:36	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	06/19/17 11:36	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/19/17 11:36	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

METHOD BLANK: 2034834

Matrix: Solid

Associated Lab Samples: 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024, 35318456025, 35318456026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/19/17 11:36	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/19/17 11:36	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/19/17 11:36	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/19/17 11:36	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/19/17 11:36	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/19/17 11:36	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/19/17 11:36	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/19/17 11:36	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/19/17 11:36	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/19/17 11:36	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/19/17 11:36	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/19/17 11:36	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/19/17 11:36	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/19/17 11:36	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/19/17 11:36	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/19/17 11:36	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/19/17 11:36	
1,2-Dichloroethane-d4 (S)	%	93	80-131		06/19/17 11:36	
4-Bromofluorobenzene (S)	%	101	55-148		06/19/17 11:36	
Toluene-d8 (S)	%	100	84-117		06/19/17 11:36	

LABORATORY CONTROL SAMPLE: 2034835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	100	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.021	103	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.019	96	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	104	70-130	
1,1-Dichloroethane	mg/kg	.02	0.021	104	69-130	
1,1-Dichloroethene	mg/kg	.02	0.022	110	67-130	
1,1-Dichloropropene	mg/kg	.02	0.022	111	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	101	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.020	102	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.019	93	67-130 N2	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2034835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	93	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,2-Dichloroethane	mg/kg	.02	0.020	102	70-130	
1,2-Dichloropropane	mg/kg	.02	0.020	102	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	96	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	105	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	96	70-130	
2-Butanone (MEK)	mg/kg	.04	0.036	90	51-161	
2-Chlorotoluene	mg/kg	.02	0.019	97	70-130	
2-Hexanone	mg/kg	.04	0.032	81	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	98	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.036	89	64-143	
Acetone	mg/kg	.04	0.042	104	32-175	
Acetonitrile	mg/kg	.2	0.17	87	68-131	
Benzene	mg/kg	.02	0.022	110	70-130	
Bromobenzene	mg/kg	.02	0.019	94	70-130	
Bromochloromethane	mg/kg	.02	0.022	112	70-130	
Bromodichloromethane	mg/kg	.02	0.020	98	70-130	
Bromoform	mg/kg	.02	0.015	73	70-130	
Bromomethane	mg/kg	.02	0.022	111	42-156	
Carbon disulfide	mg/kg	.02	0.016	81	49-152	
Carbon tetrachloride	mg/kg	.02	0.020	100	65-132	
Chlorobenzene	mg/kg	.02	0.021	105	70-130	
Chloroethane	mg/kg	.02	0.024	120	56-146	
Chloroform	mg/kg	.02	0.021	104	69-130	
Chloromethane	mg/kg	.02	0.021	103	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	104	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.021	103	70-130	
Dibromochloromethane	mg/kg	.02	0.019	94	70-130	
Dibromomethane	mg/kg	.02	0.021	107	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.028	138	58-138	
Ethylbenzene	mg/kg	.02	0.021	104	70-130	
Iodomethane	mg/kg	.04	0.042	104	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	103	70-130	
m&p-Xylene	mg/kg	.04	0.039	98	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.017	87	70-130	
Methylene Chloride	mg/kg	.02	0.023	117	40-159	
n-Butylbenzene	mg/kg	.02	0.019	96	70-130	
n-Propylbenzene	mg/kg	.02	0.020	100	70-130	
o-Xylene	mg/kg	.02	0.020	99	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	93	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	99	70-130	
Styrene	mg/kg	.02	0.020	98	70-130	
tert-Butylbenzene	mg/kg	.02	0.020	98	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2034835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.020	101	63-130	
Toluene	mg/kg	.02	0.021	104	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.021	107	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	96	70-130	
Trichloroethene	mg/kg	.02	0.022	110	69-130	
Trichlorofluoromethane	mg/kg	.02	0.026	128	67-130	
Vinyl acetate	mg/kg	.02	0.019	95	53-146	
Vinyl chloride	mg/kg	.02	0.021	107	67-130	
Xylene (Total)	mg/kg	.06	0.059	99	70-130	
1,2-Dichloroethane-d4 (S)	%			97	80-131	
4-Bromofluorobenzene (S)	%			101	55-148	
Toluene-d8 (S)	%			101	84-117	

MATRIX SPIKE SAMPLE: 2036109

Parameter	Units	35318780001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0022 U	.02	0.021	103	42-130	
1,1,1-Trichloroethane	mg/kg	0.0024 U	.02	0.025	123	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0022 U	.02	0.021	102	50-130	
1,1,2-Trichloroethane	mg/kg	0.0022 U	.02	0.024	117	59-130	
1,1-Dichloroethane	mg/kg	0.0024 U	.02	0.025	123	50-130	
1,1-Dichloroethene	mg/kg	0.0022 U	.02	0.028	137	51-130	J(M1)
1,1-Dichloropropene	mg/kg	0.0023 U	.02	0.027	133	41-130	J(M1)
1,2,3-Trichlorobenzene	mg/kg	0.0022 U	.02	0.010	50	20-143	
1,2,3-Trichloropropane	mg/kg	0.0022 U	.02	0.022	109	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0022 U	.02	0.016	79	20-130	N2
1,2,4-Trichlorobenzene	mg/kg	0.0022 U	.02	0.011	51	20-142	
1,2,4-Trimethylbenzene	mg/kg	0.0025 U	.02	0.015	75	20-133	
1,2-Dichlorobenzene	mg/kg	0.0022 U	.02	0.016	77	20-134	
1,2-Dichloroethane	mg/kg	0.0022 U	.02	0.024	117	57-130	
1,2-Dichloropropane	mg/kg	0.0022 U	.02	0.024	118	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0026 U	.02	0.016	80	26-130	
1,3-Dichlorobenzene	mg/kg	0.0022 U	.02	0.016	78	20-133	
1,3-Dichloropropane	mg/kg	0.0022 U	.02	0.024	116	57-130	
1,4-Dichlorobenzene	mg/kg	0.0022 U	.02	0.016	76	20-134	
2,2-Dichloropropane	mg/kg	0.0023 U	.02	0.024	119	35-130	
2-Butanone (MEK)	mg/kg	0.0022 U	.041	0.042	102	20-217	
2-Chlorotoluene	mg/kg	0.0022 U	.02	0.017	84	26-130	
2-Hexanone	mg/kg	0.0022 U	.041	0.037	91	20-136	
4-Chlorotoluene	mg/kg	0.0022 U	.02	0.016	80	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0022 U	.041	0.041	99	21-151	
Acetone	mg/kg	0.021	.041	0.10	200	20-219	
Acetonitrile	mg/kg	0.022 U	.2	0.20	97	32-150	
Benzene	mg/kg	0.0023 U	.02	0.026	126	24-141	
Bromobenzene	mg/kg	0.0022 U	.02	0.018	89	20-138	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

MATRIX SPIKE SAMPLE: 2036109		35318780001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	mg/kg	0.0022 U	.02	0.026	125	53-141	
Bromodichloromethane	mg/kg	0.0022 U	.02	0.022	107	20-155	
Bromoform	mg/kg	0.0022 U	.02	0.015	73	30-130	
Bromomethane	mg/kg	0.0022 U	.02	0.026	127	22-152	
Carbon disulfide	mg/kg	0.0022 U	.02	0.020	98	20-160	
Carbon tetrachloride	mg/kg	0.0022 U	.02	0.023	114	23-141	
Chlorobenzene	mg/kg	0.0022 U	.02	0.021	103	34-130	
Chloroethane	mg/kg	0.0032 U	.02	0.031	151	43-146 J(M1)	
Chloroform	mg/kg	0.0026 U	.02	0.024	119	42-132	
Chloromethane	mg/kg	0.0025 U	.02	0.028	134	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0022 U	.02	0.025	120	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0022 U	.02	0.022	108	33-132	
Dibromochloromethane	mg/kg	0.0022 U	.02	0.020	99	20-151	
Dibromomethane	mg/kg	0.0022 U	.02	0.024	118	49-137	
Dichlorodifluoromethane	mg/kg	0.0024 U	.02	0.037	181	39-130 J(M1)	
Ethylbenzene	mg/kg	0.0025 U	.02	0.021	100	30-130	
Iodomethane	mg/kg	0.0022 U	.041	0.050	121	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0026 U	.02	0.019	93	28-130	
m&p-Xylene	mg/kg	0.0046 U	.041	0.039	94	27-150	
Methyl-tert-butyl ether	mg/kg	0.0022 U	.02	0.018	87	31-156	
Methylene Chloride	mg/kg	0.0022 U	.02	0.011	55	20-150	
n-Butylbenzene	mg/kg	0.0027 U	.02	0.012	59	20-132	
n-Propylbenzene	mg/kg	0.0023 U	.02	0.017	82	24-130	
o-Xylene	mg/kg	0.0023 U	.02	0.019	94	27-150	
p-Isopropyltoluene	mg/kg	0.0027 U	.02	0.014	68	20-133	
sec-Butylbenzene	mg/kg	0.0026 U	.02	0.016	77	20-131	
Styrene	mg/kg	0.0022 U	.02	0.019	93	20-137	
tert-Butylbenzene	mg/kg	0.0026 U	.02	0.017	84	20-131	
Tetrachloroethene	mg/kg	0.0022 U	.02	0.021	101	23-144	
Toluene	mg/kg	0.0024 U	.02	0.023	113	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0027 U	.02	0.025	120	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0022 U	.02	0.021	103	33-130	
Trichloroethene	mg/kg	0.0025 U	.02	0.025	124	42-130	
Trichlorofluoromethane	mg/kg	0.0024 U	.02	0.035	172	40-130 J(M1)	
Vinyl acetate	mg/kg	0.0022 U	.02	0.019	90	20-156	
Vinyl chloride	mg/kg	0.0024 U	.02	0.028	137	47-130 J(M1)	
Xylene (Total)	mg/kg	0.0046 U	.061	0.058	94	26-130	
1,2-Dichloroethane-d4 (S)	%				98	80-131	
4-Bromofluorobenzene (S)	%				101	55-148	
Toluene-d8 (S)	%				101	84-117	

SAMPLE DUPLICATE: 2036110

Parameter	Units	35318780002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0024 U	0.0017 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

SAMPLE DUPLICATE: 2036110

Parameter	Units	35318780002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0018 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0024 U	0.0017 U		40	
1,1,2-Trichloroethane	mg/kg	0.0024 U	0.0017 U		40	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0018 U		40	
1,1-Dichloroethene	mg/kg	0.0024 U	0.0017 U		40	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0017 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0024 U	0.0017 U		40	
1,2,3-Trichloropropane	mg/kg	0.0024 U	0.0017 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0024 U	0.0017 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0024 U	0.0017 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0027 U	0.0019 U		40	
1,2-Dichlorobenzene	mg/kg	0.0024 U	0.0017 U		40	
1,2-Dichloroethane	mg/kg	0.0024 U	0.0017 U		40	
1,2-Dichloropropane	mg/kg	0.0024 U	0.0017 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0028 U	0.0019 U		40	
1,3-Dichlorobenzene	mg/kg	0.0024 U	0.0017 U		40	
1,3-Dichloropropane	mg/kg	0.0024 U	0.0017 U		40	
1,4-Dichlorobenzene	mg/kg	0.0024 U	0.0017 U		40	
2,2-Dichloropropane	mg/kg	0.0025 U	0.0017 U		40	
2-Butanone (MEK)	mg/kg	0.0024 U	0.0017 U		40	
2-Chlorotoluene	mg/kg	0.0025 U	0.0017 U		40	
2-Hexanone	mg/kg	0.0024 U	0.0017 U		40	
4-Chlorotoluene	mg/kg	0.0024 U	0.0017 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0024 U	0.0017 U		40	
Acetone	mg/kg	0.057	0.030	64	40	J(D6)
Acetonitrile	mg/kg	0.024 U	0.017 U		40	
Benzene	mg/kg	0.0025 U	0.0017 U		40	
Bromobenzene	mg/kg	0.0024 U	0.0017 U		40	
Bromochloromethane	mg/kg	0.0024 U	0.0017 U		40	
Bromodichloromethane	mg/kg	0.0024 U	0.0017 U		40	
Bromoform	mg/kg	0.0024 U	0.0017 U		40	
Bromomethane	mg/kg	0.0024 U	0.0017 U		40	
Carbon disulfide	mg/kg	0.0024 U	0.0017 U		40	
Carbon tetrachloride	mg/kg	0.0024 U	0.0017 U		40	
Chlorobenzene	mg/kg	0.0024 U	0.0017 U		40	
Chloroethane	mg/kg	0.0035 U	0.0024 U		40	
Chloroform	mg/kg	0.0029 U	0.0020 U		40	
Chloromethane	mg/kg	0.0027 U	0.0019 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0024 U	0.0017 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0024 U	0.0017 U		40	
Dibromochloromethane	mg/kg	0.0024 U	0.0017 U		40	
Dibromomethane	mg/kg	0.0024 U	0.0017 U		40	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0018 U		40	
Ethylbenzene	mg/kg	0.0028 U	0.0019 U		40	
Iodomethane	mg/kg	0.0024 U	0.0017 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0028 U	0.0019 U		40	
m&p-Xylene	mg/kg	0.0050 U	0.0034 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

SAMPLE DUPLICATE: 2036110

Parameter	Units	35318780002 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	mg/kg	0.0024 U	0.0017 U		40	
Methylene Chloride	mg/kg	0.0024 U	0.0017 U		40	
n-Butylbenzene	mg/kg	0.0029 U	0.0020 U		40	
n-Propylbenzene	mg/kg	0.0026 U	0.0018 U		40	
o-Xylene	mg/kg	0.0025 U	0.0017 U		40	
p-Isopropyltoluene	mg/kg	0.0029 U	0.0020 U		40	
sec-Butylbenzene	mg/kg	0.0028 U	0.0019 U		40	
Styrene	mg/kg	0.0024 U	0.0017 U		40	
tert-Butylbenzene	mg/kg	0.0028 U	0.0019 U		40	
Tetrachloroethene	mg/kg	0.0024 U	0.0017 U		40	
Toluene	mg/kg	0.0026 U	0.0018 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0020 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0024 U	0.0017 U		40	
Trichloroethene	mg/kg	0.0028 U	0.0019 U		40	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0018 U		40	
Vinyl acetate	mg/kg	0.0025 U	0.0017 U		40	
Vinyl chloride	mg/kg	0.0026 U	0.0018 U		40	
Xylene (Total)	mg/kg	0.0050 U	0.0034 U		40	
1,2-Dichloroethane-d4 (S)	%	95	95	39	40	
4-Bromofluorobenzene (S)	%	100	99	39	40	
Toluene-d8 (S)	%	100	100	38	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch: 376120

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035 Low Level

Associated Lab Samples: 35318456015

METHOD BLANK: 2036493

Matrix: Solid

Associated Lab Samples: 35318456015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/20/17 13:56	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/20/17 13:56	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	06/20/17 13:56	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/20/17 13:56	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/20/17 13:56	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/20/17 13:56	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Acetone	mg/kg	0.010 U	0.020	0.010	06/20/17 13:56	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/20/17 13:56	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	06/20/17 13:56	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/20/17 13:56	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	06/20/17 13:56	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/20/17 13:56	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

METHOD BLANK: 2036493

Matrix: Solid

Associated Lab Samples: 35318456015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/20/17 13:56	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/20/17 13:56	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/20/17 13:56	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/20/17 13:56	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/20/17 13:56	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/20/17 13:56	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/20/17 13:56	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/20/17 13:56	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/20/17 13:56	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/20/17 13:56	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/20/17 13:56	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/20/17 13:56	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/20/17 13:56	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/20/17 13:56	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/20/17 13:56	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/20/17 13:56	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/20/17 13:56	
1,2-Dichloroethane-d4 (S)	%	90	80-131		06/20/17 13:56	
4-Bromofluorobenzene (S)	%	99	55-148		06/20/17 13:56	
Toluene-d8 (S)	%	101	84-117		06/20/17 13:56	

LABORATORY CONTROL SAMPLE: 2036494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	99	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	102	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	100	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.022	109	70-130	
1,1-Dichloroethane	mg/kg	.02	0.021	106	69-130	
1,1-Dichloroethene	mg/kg	.02	0.022	108	67-130	
1,1-Dichloropropene	mg/kg	.02	0.023	113	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.021	106	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	104	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.019	96	67-130 N2	
1,2,4-Trichlorobenzene	mg/kg	.02	0.021	104	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	94	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2036494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2-Dichloroethane	mg/kg	.02	0.021	107	70-130	
1,2-Dichloropropane	mg/kg	.02	0.021	106	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.020	98	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,3-Dichloropropane	mg/kg	.02	0.022	108	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	97	70-130	
2-Butanone (MEK)	mg/kg	.04	0.039	97	51-161	
2-Chlorotoluene	mg/kg	.02	0.020	99	70-130	
2-Hexanone	mg/kg	.04	0.036	89	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	99	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.038	96	64-143	
Acetone	mg/kg	.04	0.049	123	32-175	
Acetonitrile	mg/kg	.2	0.19	93	68-131	
Benzene	mg/kg	.02	0.023	113	70-130	
Bromobenzene	mg/kg	.02	0.019	96	70-130	
Bromochloromethane	mg/kg	.02	0.023	114	70-130	
Bromodichloromethane	mg/kg	.02	0.019	96	70-130	
Bromoform	mg/kg	.02	0.013	66	70-130 J(L2)	
Bromomethane	mg/kg	.02	0.019	97	42-156	
Carbon disulfide	mg/kg	.02	0.015	75	49-152	
Carbon tetrachloride	mg/kg	.02	0.019	94	65-132	
Chlorobenzene	mg/kg	.02	0.021	106	70-130	
Chloroethane	mg/kg	.02	0.023	114	56-146	
Chloroform	mg/kg	.02	0.021	106	69-130	
Chloromethane	mg/kg	.02	0.021	105	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	106	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.021	103	70-130	
Dibromochloromethane	mg/kg	.02	0.017	87	70-130	
Dibromomethane	mg/kg	.02	0.022	109	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.025	125	58-138	
Ethylbenzene	mg/kg	.02	0.021	105	70-130	
Iodomethane	mg/kg	.04	0.040	100	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	105	70-130	
m&p-Xylene	mg/kg	.04	0.040	100	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.018	88	70-130	
Methylene Chloride	mg/kg	.02	0.026	128	40-159	
n-Butylbenzene	mg/kg	.02	0.019	94	70-130	
n-Propylbenzene	mg/kg	.02	0.020	101	70-130	
o-Xylene	mg/kg	.02	0.020	101	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	95	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	101	70-130	
Styrene	mg/kg	.02	0.020	102	70-130	
tert-Butylbenzene	mg/kg	.02	0.020	99	70-130	
Tetrachloroethene	mg/kg	.02	0.021	105	63-130	
Toluene	mg/kg	.02	0.021	107	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2036494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	mg/kg	.02	0.025	123	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	96	70-130	
Trichloroethene	mg/kg	.02	0.022	112	69-130	
Trichlorofluoromethane	mg/kg	.02	0.024	120	67-130	
Vinyl acetate	mg/kg	.02	0.019	95	53-146	
Vinyl chloride	mg/kg	.02	0.021	103	67-130	
Xylene (Total)	mg/kg	.06	0.060	100	70-130	
1,2-Dichloroethane-d4 (S)	%			94	80-131	
4-Bromofluorobenzene (S)	%			102	55-148	
Toluene-d8 (S)	%			101	84-117	

MATRIX SPIKE SAMPLE: 2045534

Parameter	Units	35318605001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	3.3 U ug/kg	.026	0.021	80	42-130	
1,1,1-Trichloroethane	mg/kg	3.6 U ug/kg	.026	0.029	111	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	3.3 U ug/kg	.026	0.023	88	50-130	
1,1,2-Trichloroethane	mg/kg	3.3 U ug/kg	.026	0.030	116	59-130	
1,1-Dichloroethane	mg/kg	3.6 U ug/kg	.026	0.032	120	50-130	
1,1-Dichloroethene	mg/kg	3.3 U ug/kg	.026	0.034	131	51-130	J(M1)
1,1-Dichloropropene	mg/kg	3.4 U ug/kg	.026	0.029	111	41-130	
1,2,3-Trichlorobenzene	mg/kg	3.3 U ug/kg	.026	0.0074	28	20-143	
1,2,3-Trichloropropane	mg/kg	3.3 U ug/kg	.026	0.026	101	49-130	
1,2,3-Trimethylbenzene	mg/kg	3.3 U ug/kg	.026	0.011	43	20-130	N2
1,2,4-Trichlorobenzene	mg/kg	3.3 U ug/kg	.026	0.0074	28	20-142	
1,2,4-Trimethylbenzene	mg/kg	3.7 U ug/kg	.026	0.011	41	20-133	
1,2-Dichlorobenzene	mg/kg	3.3 U ug/kg	.026	0.011	42	20-134	
1,2-Dichloroethane	mg/kg	3.3 U ug/kg	.026	0.032	121	57-130	
1,2-Dichloropropane	mg/kg	3.3 U ug/kg	.026	0.030	113	52-130	
1,3,5-Trimethylbenzene	mg/kg	3.8 U ug/kg	.026	0.012	45	26-130	
1,3-Dichlorobenzene	mg/kg	3.3 U ug/kg	.026	0.011	43	20-133	
1,3-Dichloropropane	mg/kg	3.3 U ug/kg	.026	0.029	111	57-130	
1,4-Dichlorobenzene	mg/kg	3.3 U ug/kg	.026	0.011	41	20-134	
2,2-Dichloropropane	mg/kg	3.4 U ug/kg	.026	0.029	112	35-130	
2-Butanone (MEK)	mg/kg	3.3 U ug/kg	.052	0.058	112	20-217	
2-Chlorotoluene	mg/kg	3.3 U ug/kg	.026	0.013	50	26-130	
2-Hexanone	mg/kg	3.3 U ug/kg	.052	0.051	97	20-136	
4-Chlorotoluene	mg/kg	3.3 U ug/kg	.026	0.012	46	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	3.3 U ug/kg	.052	0.056	106	21-151	
Acetone	mg/kg	146 ug/kg	.052	0.15	12	20-219	J(M1)
Acetonitrile	mg/kg	32.8 U ug/kg	.26	0.29	113	32-150	
Benzene	mg/kg	3.4 U ug/kg	.026	0.030	115	24-141	
Bromobenzene	mg/kg	3.3 U ug/kg	.026	0.016	60	20-138	
Bromochloromethane	mg/kg	3.3 U ug/kg	.026	0.033	127	53-141	
Bromodichloromethane	mg/kg	3.3 U ug/kg	.026	0.026	99	20-155	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

MATRIX SPIKE SAMPLE: 2045534		35318605001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	mg/kg	3.3 U ug/kg	.026	0.014	53	30-130	
Bromomethane	mg/kg	3.3 U ug/kg	.026	0.035	135	22-152	
Carbon disulfide	mg/kg	3.3 U ug/kg	.026	0.024	93	20-160	
Carbon tetrachloride	mg/kg	3.3 U ug/kg	.026	0.026	98	23-141	
Chlorobenzene	mg/kg	3.3 U ug/kg	.026	0.019	73	34-130	
Chloroethane	mg/kg	4.7 U ug/kg	.026	0.042	159	43-146	J(M1)
Chloroform	mg/kg	3.9 U ug/kg	.026	0.031	118	42-132	
Chloromethane	mg/kg	3.7 U ug/kg	.026	0.039	149	31-144	J(M1)
cis-1,2-Dichloroethene	mg/kg	3.3 U ug/kg	.026	0.030	115	45-131	
cis-1,3-Dichloropropene	mg/kg	3.3 U ug/kg	.026	0.026	100	33-132	
Dibromochloromethane	mg/kg	3.3 U ug/kg	.026	0.021	82	20-151	
Dibromomethane	mg/kg	3.3 U ug/kg	.026	0.031	117	49-137	
Dichlorodifluoromethane	mg/kg	3.5 U ug/kg	.026	0.056	215	39-130	J(M1)
Ethylbenzene	mg/kg	3.7 U ug/kg	.026	0.018	67	30-130	
Iodomethane	mg/kg	3.3 U ug/kg	.052	0.065	124	20-155	
Isopropylbenzene (Cumene)	mg/kg	3.8 U ug/kg	.026	0.015	56	28-130	
m&p-Xylene	mg/kg	6.7 U ug/kg	.052	0.031	60	27-150	
Methyl-tert-butyl ether	mg/kg	3.3 U ug/kg	.026	0.027	105	31-156	
Methylene Chloride	mg/kg	3.3 U ug/kg	.026	0.026	100	20-150	
n-Butylbenzene	mg/kg	4.0 U ug/kg	.026	0.0087	33	20-132	
n-Propylbenzene	mg/kg	3.5 U ug/kg	.026	0.013	49	24-130	
o-Xylene	mg/kg	3.4 U ug/kg	.026	0.015	59	27-150	
p-Isopropyltoluene	mg/kg	4.0 U ug/kg	.026	0.0096	37	20-133	
sec-Butylbenzene	mg/kg	3.8 U ug/kg	.026	0.011	44	20-131	
Styrene	mg/kg	3.3 U ug/kg	.026	0.015	59	20-137	
tert-Butylbenzene	mg/kg	3.8 U ug/kg	.026	0.013	49	20-131	
Tetrachloroethene	mg/kg	3.3 U ug/kg	.026	0.019	72	23-144	
Toluene	mg/kg	3.5 U ug/kg	.026	0.024	92	24-137	
trans-1,2-Dichloroethene	mg/kg	4.0 U ug/kg	.026	0.034	129	50-130	
trans-1,3-Dichloropropene	mg/kg	3.3 U ug/kg	.026	0.024	91	33-130	
Trichloroethene	mg/kg	3.7 U ug/kg	.026	0.027	103	42-130	
Trichlorofluoromethane	mg/kg	3.6 U ug/kg	.026	0.045	173	40-130	J(M1)
Vinyl acetate	mg/kg	3.3 U ug/kg	.026	0.013	50	20-156	
Vinyl chloride	mg/kg	3.5 U ug/kg	.026	0.039	147	47-130	J(M1)
Xylene (Total)	mg/kg	6.7 U ug/kg	.078	0.047	60	26-130	
1,2-Dichloroethane-d4 (S)	%				96	80-131	
4-Bromofluorobenzene (S)	%				100	55-148	
Toluene-d8 (S)	%				101	84-117	

SAMPLE DUPLICATE: 2045535

Parameter	Units	35318605002	Dup	Max	
		Result	Result	RPD	RPD
1,1,1,2-Tetrachloroethane	mg/kg	2.8 U ug/kg	0.0037 U		40
1,1,1-Trichloroethane	mg/kg	3.1 U ug/kg	0.0041 U		40
1,1,2,2-Tetrachloroethane	mg/kg	2.8 U ug/kg	0.0037 U		40

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

SAMPLE DUPLICATE: 2045535

Parameter	Units	35318605002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,1-Dichloroethane	mg/kg	3.1 U ug/kg	0.0041 U		40	
1,1-Dichloroethene	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,1-Dichloropropene	mg/kg	2.9 U ug/kg	0.0038 U		40	
1,2,3-Trichlorobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,2,3-Trichloropropane	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,2,3-Trimethylbenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,2,4-Trimethylbenzene	mg/kg	3.2 U ug/kg	0.0042 U		40	
1,2-Dichlorobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,2-Dichloroethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,2-Dichloropropane	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,3,5-Trimethylbenzene	mg/kg	3.3 U ug/kg	0.0043 U		40	
1,3-Dichlorobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,3-Dichloropropane	mg/kg	2.8 U ug/kg	0.0037 U		40	
1,4-Dichlorobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
2,2-Dichloropropane	mg/kg	2.9 U ug/kg	0.0039 U		40	
2-Butanone (MEK)	mg/kg	2.8 U ug/kg	0.0037 U		40	
2-Chlorotoluene	mg/kg	2.9 U ug/kg	0.0037 U		40	
2-Hexanone	mg/kg	2.8 U ug/kg	0.0037 U		40	
4-Chlorotoluene	mg/kg	2.8 U ug/kg	0.0037 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	2.8 U ug/kg	0.0037 U		40	
Acetone	mg/kg	53.3 ug/kg	0.055	2	40	
Acetonitrile	mg/kg	28.4 U ug/kg	0.037 U		40	
Benzene	mg/kg	2.9 U ug/kg	0.0038 U		40	
Bromobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
Bromochloromethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
Bromodichloromethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
Bromoform	mg/kg	2.8 U ug/kg	0.0037 U		40	
Bromomethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
Carbon disulfide	mg/kg	2.8 U ug/kg	0.0037 U		40	
Carbon tetrachloride	mg/kg	2.8 U ug/kg	0.0037 U		40	
Chlorobenzene	mg/kg	2.8 U ug/kg	0.0037 U		40	
Chloroethane	mg/kg	4.1 U ug/kg	0.0053 U		40	
Chloroform	mg/kg	3.4 U ug/kg	0.0044 U		40	
Chloromethane	mg/kg	3.2 U ug/kg	0.0042 U		40	
cis-1,2-Dichloroethene	mg/kg	2.8 U ug/kg	0.0037 U		40	
cis-1,3-Dichloropropene	mg/kg	2.8 U ug/kg	0.0037 U		40	
Dibromochloromethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
Dibromomethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
Dichlorodifluoromethane	mg/kg	3.0 U ug/kg	0.0040 U		40	
Ethylbenzene	mg/kg	3.2 U ug/kg	0.0042 U		40	
Iodomethane	mg/kg	2.8 U ug/kg	0.0037 U		40	
Isopropylbenzene (Cumene)	mg/kg	3.3 U ug/kg	0.0043 U		40	
m&p-Xylene	mg/kg	5.8 U ug/kg	0.0077 U		40	
Methyl-tert-butyl ether	mg/kg	2.8 U ug/kg	0.0037 U		40	
Methylene Chloride	mg/kg	2.8 U ug/kg	0.0037 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

SAMPLE DUPLICATE: 2045535

Parameter	Units	35318605002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Butylbenzene	mg/kg	3.4 U ug/kg	0.0045 U		40	
n-Propylbenzene	mg/kg	3.0 U ug/kg	0.0039 U		40	
o-Xylene	mg/kg	2.9 U ug/kg	0.0038 U		40	
p-Isopropyltoluene	mg/kg	3.4 U ug/kg	0.0045 U		40	
sec-Butylbenzene	mg/kg	3.3 U ug/kg	0.0043 U		40	
Styrene	mg/kg	2.8 U ug/kg	0.0037 U		40	
tert-Butylbenzene	mg/kg	3.3 U ug/kg	0.0043 U		40	
Tetrachloroethene	mg/kg	2.8 U ug/kg	0.0037 U		40	
Toluene	mg/kg	3.1 U ug/kg	0.0040 U		40	
trans-1,2-Dichloroethene	mg/kg	3.5 U ug/kg	0.0045 U		40	
trans-1,3-Dichloropropene	mg/kg	2.8 U ug/kg	0.0037 U		40	
Trichloroethene	mg/kg	3.2 U ug/kg	0.0042 U		40	
Trichlorofluoromethane	mg/kg	3.1 U ug/kg	0.0041 U		40	
Vinyl acetate	mg/kg	2.9 U ug/kg	0.0038 U		40	
Vinyl chloride	mg/kg	3.1 U ug/kg	0.0040 U		40	
Xylene (Total)	mg/kg	5.8 U ug/kg	0.0077 U		40	
1,2-Dichloroethane-d4 (S)	%	95	96	27	40	
4-Bromofluorobenzene (S)	%	100	100	27	40	
Toluene-d8 (S)	%	102	102	27	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch:	375529	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave Short Spike
Associated Lab Samples:	35318456001, 35318456002, 35318456003, 35318456004, 35318456005, 35318456006, 35318456007, 35318456008		

METHOD BLANK:	2032929	Matrix:	Solid
Associated Lab Samples:	35318456001, 35318456002, 35318456003, 35318456004, 35318456005, 35318456006, 35318456007, 35318456008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/19/17 13:39	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/19/17 13:39	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/19/17 13:39	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/19/17 13:39	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/19/17 13:39	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/19/17 13:39	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/19/17 13:39	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/19/17 13:39	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/19/17 13:39	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	06/19/17 13:39	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/19/17 13:39	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/19/17 13:39	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/19/17 13:39	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/19/17 13:39	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/19/17 13:39	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/19/17 13:39	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	06/19/17 13:39	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/19/17 13:39	
2-Fluorobiphenyl (S)	%	79	32-129		06/19/17 13:39	
Nitrobenzene-d5 (S)	%	86	16-123		06/19/17 13:39	
Terphenyl-d14 (S)	%	86	38-138		06/19/17 13:39	

LABORATORY CONTROL SAMPLE: 2032930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.4	81	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.4	81	16-137	
Acenaphthene	mg/kg	1.7	1.4	80	37-120	
Acenaphthylene	mg/kg	1.7	1.4	82	41-120	
Anthracene	mg/kg	1.7	1.5	88	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.3	80	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.5	87	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	81	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.4	81	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.5	89	44-126	
Chrysene	mg/kg	1.7	1.3	78	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	83	43-124	
Fluoranthene	mg/kg	1.7	1.4	81	45-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2032930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	mg/kg	1.7	1.3	79	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.4	83	43-123	
Naphthalene	mg/kg	1.7	1.3	76	40-120	
Phenanthrene	mg/kg	1.7	1.4	84	36-125	
Pyrene	mg/kg	1.7	1.4	82	41-123	
2-Fluorobiphenyl (S)	%			80	32-129	
Nitrobenzene-d5 (S)	%			91	16-123	
Terphenyl-d14 (S)	%			83	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034498 2034499

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result							
1-Methylnaphthalene	mg/kg	0.060	1.8	1.8	1.4	1.1	75	55	27-123	29	40	
2-Methylnaphthalene	mg/kg	0.074	1.8	1.8	1.4	1.1	75	56	16-137	27	40	
Acenaphthene	mg/kg	0.025 I	1.8	1.8	1.3	1.0	71	54	37-120	26	40	
Acenaphthylene	mg/kg	0.011 U	1.8	1.8	1.3	1.0	75	56	41-120	28	40	
Anthracene	mg/kg	0.049	1.8	1.8	1.5	1.1	80	58	45-120	32	40	
Benzo(a)anthracene	mg/kg	0.23	1.8	1.8	1.6	1.1	76	48	44-120	37	40	
Benzo(a)pyrene	mg/kg	0.31	1.8	1.8	1.7	1.1	77	46	44-123	40	40	
Benzo(b)fluoranthene	mg/kg	0.39	1.8	1.8	1.8	1.2	76	43	37-124	40	40	
Benzo(g,h,i)perylene	mg/kg	0.24	1.8	1.8	1.3	1.0	59	43	42-125	25	40	
Benzo(k)fluoranthene	mg/kg	0.26	1.8	1.8	1.7	1.1	78	45	44-126	43	40	J(R1)
Chrysene	mg/kg	0.32	1.8	1.8	1.6	1.1	70	41	45-120	39	40	J(M1)
Dibenz(a,h)anthracene	mg/kg	0.047	1.8	1.8	1.3	0.94	69	50	43-124	30	40	
Fluoranthene	mg/kg	0.61	1.8	1.8	2.2	1.3	87	39	45-120	50	40	J(M1), J(R1)
Fluorene	mg/kg	0.030 I	1.8	1.8	1.3	0.99	73	53	42-120	30	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.19	1.8	1.8	1.4	1.0	67	46	43-123	32	40	
Naphthalene	mg/kg	0.012 U	1.8	1.8	1.3	1.0	71	55	40-120	24	40	
Phenanthrene	mg/kg	0.25	1.8	1.8	1.6	1.1	78	48	36-125	38	40	
Pyrene	mg/kg	0.52	1.8	1.8	1.9	1.2	76	40	41-123	42	40	J(M1), J(R1)
2-Fluorobiphenyl (S)	%						76	57	32-129			
Nitrobenzene-d5 (S)	%						78	63	16-123			
Terphenyl-d14 (S)	%						72	56	38-138			

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch:	375544	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave Short Spike
Associated Lab Samples:	35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456015, 35318456016, 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024, 35318456025, 35318456026		

METHOD BLANK:	2032986	Matrix:	Solid
Associated Lab Samples:	35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456015, 35318456016, 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024, 35318456025, 35318456026		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/21/17 00:15	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/21/17 00:15	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/21/17 00:15	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/21/17 00:15	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/21/17 00:15	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/21/17 00:15	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/21/17 00:15	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/21/17 00:15	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/21/17 00:15	
Benzo(k)fluoranthene	mg/kg	0.0071 U	0.033	0.0071	06/21/17 00:15	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/21/17 00:15	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/21/17 00:15	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/21/17 00:15	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/21/17 00:15	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/21/17 00:15	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/21/17 00:15	
Phenanthrene	mg/kg	0.012 U	0.033	0.012	06/21/17 00:15	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/21/17 00:15	
2-Fluorobiphenyl (S)	%	73	32-129		06/21/17 00:15	
Nitrobenzene-d5 (S)	%	78	16-123		06/21/17 00:15	
Terphenyl-d14 (S)	%	75	38-138		06/21/17 00:15	

LABORATORY CONTROL SAMPLE: 2032987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.6	1.2	73	27-123	
2-Methylnaphthalene	mg/kg	1.6	1.2	74	16-137	
Acenaphthene	mg/kg	1.6	1.2	74	37-120	
Acenaphthylene	mg/kg	1.6	1.2	75	41-120	
Anthracene	mg/kg	1.6	1.3	81	45-120	
Benzo(a)anthracene	mg/kg	1.6	1.2	75	44-120	
Benzo(a)pyrene	mg/kg	1.6	1.3	81	44-123	
Benzo(b)fluoranthene	mg/kg	1.6	1.3	79	37-124	
Benzo(g,h,i)perylene	mg/kg	1.6	1.3	78	42-125	
Benzo(k)fluoranthene	mg/kg	1.6	1.3	79	44-126	
Chrysene	mg/kg	1.6	1.2	73	45-120	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2032987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	mg/kg	1.6	1.4	83	43-124	
Fluoranthene	mg/kg	1.6	1.2	75	45-120	
Fluorene	mg/kg	1.6	1.2	73	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.6	1.4	83	43-123	
Naphthalene	mg/kg	1.6	1.1	70	40-120	
Phenanthrene	mg/kg	1.6	1.2	74	36-125	
Pyrene	mg/kg	1.6	1.2	73	41-123	
2-Fluorobiphenyl (S)	%			73	32-129	
Nitrobenzene-d5 (S)	%			79	16-123	
Terphenyl-d14 (S)	%			75	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034658 2034659

Parameter	Units	35318456022		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	U	Spike Conc.	MS Result	MSD Result	MSD Spike Conc.						
1-Methylnaphthalene	mg/kg	0.013	U	1.9	1.9	1.4	1.3	72	71	27-123	3	40	
2-Methylnaphthalene	mg/kg	0.015	U	1.9	1.9	1.4	1.3	73	70	16-137	4	40	
Acenaphthene	mg/kg	0.014	U	1.9	1.9	1.4	1.3	72	69	37-120	5	40	
Acenaphthylene	mg/kg	0.012	U	1.9	1.9	1.4	1.3	72	71	41-120	1	40	
Anthracene	mg/kg	0.011	U	1.9	1.9	1.5	1.4	79	75	45-120	6	40	
Benzo(a)anthracene	mg/kg	0.011	U	1.9	1.9	1.4	1.3	73	70	44-120	5	40	
Benzo(a)pyrene	mg/kg	0.0044	U	1.9	1.9	1.5	1.3	77	70	44-123	10	40	
Benzo(b)fluoranthene	mg/kg	0.028	U	1.9	1.9	1.3	1.2	70	66	37-124	5	40	
Benzo(g,h,i)perylene	mg/kg	0.013	U	1.9	1.9	1.4	1.4	75	73	42-125	3	40	
Benzo(k)fluoranthene	mg/kg	0.0081	U	1.9	1.9	1.4	1.3	74	71	44-126	4	40	
Chrysene	mg/kg	0.013	U	1.9	1.9	1.3	1.2	70	66	45-120	6	40	
Dibenz(a,h)anthracene	mg/kg	0.019	U	1.9	1.9	1.5	1.4	79	76	43-124	4	40	
Fluoranthene	mg/kg	0.012	U	1.9	1.9	1.4	1.3	75	70	45-120	7	40	
Fluorene	mg/kg	0.017	U	1.9	1.9	1.3	1.3	71	70	42-120	1	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.019	U	1.9	1.9	1.5	1.4	79	75	43-123	4	40	
Naphthalene	mg/kg	0.012	U	1.9	1.9	1.3	1.2	68	65	40-120	4	40	
Phenanthrene	mg/kg	0.014	U	1.9	1.9	1.4	1.3	73	70	36-125	5	40	
Pyrene	mg/kg	0.019	U	1.9	1.9	1.4	1.3	75	69	41-123	7	40	
2-Fluorobiphenyl (S)	%							72	69	32-129			
Nitrobenzene-d5 (S)	%							75	70	16-123			
Terphenyl-d14 (S)	%							74	67	38-138			

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

QC Batch: 375747

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave Short Spike

Associated Lab Samples: 35318456009

METHOD BLANK: 2034674

Matrix: Solid

Associated Lab Samples: 35318456009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/20/17 13:45	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/20/17 13:45	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/20/17 13:45	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/20/17 13:45	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/20/17 13:45	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/20/17 13:45	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/20/17 13:45	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/20/17 13:45	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/20/17 13:45	
Benzo(k)fluoranthene	mg/kg	0.0071 U	0.033	0.0071	06/20/17 13:45	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/20/17 13:45	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/20/17 13:45	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/20/17 13:45	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/20/17 13:45	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/20/17 13:45	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/20/17 13:45	
Phenanthrene	mg/kg	0.012 U	0.033	0.012	06/20/17 13:45	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/20/17 13:45	
2-Fluorobiphenyl (S)	%	77	32-129		06/20/17 13:45	
Nitrobenzene-d5 (S)	%	78	16-123		06/20/17 13:45	
Terphenyl-d14 (S)	%	78	38-138		06/20/17 13:45	

LABORATORY CONTROL SAMPLE: 2034675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.2	71	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.2	71	16-137	
Acenaphthene	mg/kg	1.7	1.3	78	37-120	
Acenaphthylene	mg/kg	1.7	1.4	83	41-120	
Anthracene	mg/kg	1.7	1.4	83	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.3	75	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.3	81	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.3	79	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.2	73	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	82	44-126	
Chrysene	mg/kg	1.7	1.2	74	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.2	75	43-124	
Fluoranthene	mg/kg	1.7	1.2	74	45-120	
Fluorene	mg/kg	1.7	1.3	77	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	76	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

LABORATORY CONTROL SAMPLE: 2034675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.2	70	40-120	
Phenanthrene	mg/kg	1.7	1.3	78	36-125	
Pyrene	mg/kg	1.7	1.2	72	41-123	
2-Fluorobiphenyl (S)	%			67	32-129	
Nitrobenzene-d5 (S)	%			74	16-123	
Terphenyl-d14 (S)	%			68	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034700 2034701

Parameter	Units	35318780003		2034700		2034701		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec						
1-Methylnaphthalene	mg/kg	0.014 U	2	2	1.3	1.2	66	62	27-123	7	40		
2-Methylnaphthalene	mg/kg	0.016 U	2	2	1.3	1.2	66	62	16-137	7	40		
Acenaphthene	mg/kg	0.014 U	2	2	1.3	1.2	69	64	37-120	7	40		
Acenaphthylene	mg/kg	0.012 U	2	2	1.4	1.4	74	71	41-120	4	40		
Anthracene	mg/kg	0.012 U	2	2	1.5	1.4	75	71	45-120	7	40		
Benzo(a)anthracene	mg/kg	0.011 U	2	2	1.3	1.3	68	65	44-120	6	40		
Benzo(a)pyrene	mg/kg	0.0045 U	2	2	1.4	1.3	74	69	44-123	7	40		
Benzo(b)fluoranthene	mg/kg	0.029 U	2	2	1.3	1.3	68	66	37-124	3	40		
Benzo(g,h,i)perylene	mg/kg	0.014 U	2	2	1.4	1.3	70	68	42-125	4	40		
Benzo(k)fluoranthene	mg/kg	0.0084 U	2	2	1.5	1.3	77	68	44-126	12	40		
Chrysene	mg/kg	0.014 U	2	2	1.3	1.2	66	63	45-120	5	40		
Dibenz(a,h)anthracene	mg/kg	0.019 U	2	2	1.4	1.3	70	68	43-124	3	40		
Fluoranthene	mg/kg	0.013 U	2	2	1.3	1.2	68	63	45-120	8	40		
Fluorene	mg/kg	0.017 U	2	2	1.4	1.3	70	65	42-120	8	40		
Indeno(1,2,3-cd)pyrene	mg/kg	0.019 U	2	2	1.4	1.3	72	69	43-123	5	40		
Naphthalene	mg/kg	0.013 U	2	2	1.3	1.2	66	60	40-120	10	40		
Phenanthrene	mg/kg	0.015 U	2	2	1.4	1.3	69	66	36-125	6	40		
Pyrene	mg/kg	0.019 U	2	2	1.3	1.2	68	63	41-123	7	40		
2-Fluorobiphenyl (S)	%						56	55	32-129				
Nitrobenzene-d5 (S)	%						63	64	16-123				
Terphenyl-d14 (S)	%						35	40	38-138			J(S0)	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

QC Batch: 375535 Analysis Method: FL-PRO
QC Batch Method: EPA 3546 Analysis Description: FL-PRO Soil
Associated Lab Samples: 35318456007, 35318456008

METHOD BLANK: 2032951 Matrix: Solid
Associated Lab Samples: 35318456007, 35318456008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.1 U	3.3	2.1	06/19/17 19:59	
N-Pentatriacontane (S)	%	89	42-159		06/19/17 19:59	
o-Terphenyl (S)	%	107	62-109		06/19/17 19:59	

LABORATORY CONTROL SAMPLE: 2032952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	166	161	97	63-153	
N-Pentatriacontane (S)	%			88	42-159	
o-Terphenyl (S)	%			111	62-109 J(S0)	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034656 2034657

Parameter	Units	35318682004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Petroleum Range Organics	mg/kg	34.0	212	211	225	403	90	175	51-215	57	25	J(R1)
N-Pentatriacontane (S)	%						62	74	42-159			
o-Terphenyl (S)	%						94	104	62-109			

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

QC Batch: 376552 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35318456001, 35318456002, 35318456003, 35318456004, 35318456005, 35318456006, 35318456007, 35318456008, 35318456009, 35318456010, 35318456011, 35318456012, 35318456013, 35318456014, 35318456015, 35318456016, 35318456017, 35318456018, 35318456019, 35318456020, 35318456021, 35318456022, 35318456023, 35318456024, 35318456025

SAMPLE DUPLICATE: 2039254

Parameter	Units	35318913001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	80.3	80.1	0	10	

SAMPLE DUPLICATE: 2039265

Parameter	Units	35318193005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.8	5.1	29	10	J(D6)

SAMPLE DUPLICATE: 2039266

Parameter	Units	35318449001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.4	13.0	5	10	

SAMPLE DUPLICATE: 2039267

Parameter	Units	35318456004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.3	27.2	0	10	

SAMPLE DUPLICATE: 2039268

Parameter	Units	35318456013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.0	30.0	18	10	J(D6)

SAMPLE DUPLICATE: 2039269

Parameter	Units	35318456022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.4	9.6	17	10	J(D6)

SAMPLE DUPLICATE: 2039270

Parameter	Units	35317665003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.5	13.2	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

SAMPLE DUPLICATE: 2039271

Parameter	Units	35318186001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	99.2	99.1	0	10	

SAMPLE DUPLICATE: 2039272

Parameter	Units	35318550006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.1	28.7	6	10	

SAMPLE DUPLICATE: 2039273

Parameter	Units	35318577009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.7	8.4	3	10	

SAMPLE DUPLICATE: 2039274

Parameter	Units	35318577018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.5	8.9	7	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318456

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

J(L2) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

J(M0) Estimated Value. Matrix spike recovery was outside laboratory control limits.

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

J(R1) Estimated Value. RPD value was outside control limits.

J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.

L Off-scale high. Actual value is known to be greater than value given.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318456007	SB-2 (0-6")	EPA 3546	375535	FL-PRO	375899
35318456008	SB-2 (6"-2')	EPA 3546	375535	FL-PRO	375899
35318456001	SB-1 (0-6")	EPA 3050	375846	EPA 6010	375930
35318456002	SB-1 (6"-2')	EPA 3050	375846	EPA 6010	375930
35318456003	SB-1 E25 (0-6")	EPA 3050	375846	EPA 6010	375930
35318456004	SB-1 E25 (6"-2')	EPA 3050	375846	EPA 6010	375930
35318456005	SB-1 W25 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456006	SB-1 W25 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456007	SB-2 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456008	SB-2 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456009	SB-3 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456010	SB-3 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456011	SB-3 W25 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456012	SB-3 W25 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456013	SB-3 E50 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456014	SB-3 E50 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456015	SB-8 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456016	SB-8 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456017	SB-8 E25 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456018	SB-8 E25 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456019	SB-8 E50 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456020	SB-8 E50 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456021	SB-9 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456022	SB-9 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456023	SB-9 W25 (0-6")	EPA 3050	375897	EPA 6010	375929
35318456024	SB-9 W25 (6"-2')	EPA 3050	375897	EPA 6010	375929
35318456025	SB-9 E25 (0-6")	EPA 3050	375948	EPA 6010	376029
35318456026	SB-9 E25 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318456001	SB-1 (0-6")	EPA 3010	379527	EPA 6010	379637
35318456004	SB-1 E25 (6"-2')	EPA 3010	379527	EPA 6010	379637
35318456008	SB-2 (6"-2')	EPA 3010	379527	EPA 6010	379637
35318456010	SB-3 (6"-2')	EPA 3010	379527	EPA 6010	379637
35318456016	SB-8 (6"-2')	EPA 3010	380321	EPA 6010	380376
35318456018	SB-8 E25 (6"-2')	EPA 3010	380321	EPA 6010	380376
35318456020	SB-8 E50 (6"-2')	EPA 3010	380321	EPA 6010	380376
35318456021	SB-9 (0-6")	EPA 3010	380321	EPA 6010	380376
35318456022	SB-9 (6"-2')	EPA 3010	380321	EPA 6010	380376
35318456012	SB-3 W25 (6"-2')	EPA 3010	379342	EPA 6010	379406
35318456007	SB-2 (0-6")	EPA 7471	375981	EPA 7471	376103
35318456008	SB-2 (6"-2')	EPA 7471	375981	EPA 7471	376103
35318456001	SB-1 (0-6")	EPA 3546	375529	EPA 8270	375812
35318456002	SB-1 (6"-2')	EPA 3546	375529	EPA 8270	375812
35318456003	SB-1 E25 (0-6")	EPA 3546	375529	EPA 8270	375812
35318456004	SB-1 E25 (6"-2')	EPA 3546	375529	EPA 8270	375812
35318456005	SB-1 W25 (0-6")	EPA 3546	375529	EPA 8270	375812

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318456006	SB-1 W25 (6"-2')	EPA 3546	375529	EPA 8270	375812
35318456007	SB-2 (0-6")	EPA 3546	375529	EPA 8270	375812
35318456008	SB-2 (6"-2')	EPA 3546	375529	EPA 8270	375812
35318456009	SB-3 (0-6")	EPA 3546	375747	EPA 8270	375964
35318456010	SB-3 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456011	SB-3 W25 (0-6")	EPA 3546	375544	EPA 8270	376237
35318456012	SB-3 W25 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456013	SB-3 E50 (0-6")	EPA 3546	375544	EPA 8270	376237
35318456014	SB-3 E50 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456015	SB-8 (0-6")	EPA 3546	375544	EPA 8270	376237
35318456016	SB-8 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456017	SB-8 E25 (0-6')	EPA 3546	375544	EPA 8270	376237
35318456018	SB-8 E25 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456019	SB-8 E50 (0-6')	EPA 3546	375544	EPA 8270	376237
35318456020	SB-8 E50 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456021	SB-9 (0-6")	EPA 3546	375544	EPA 8270	376237
35318456022	SB-9 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456023	SB-9 W25 (0-6")	EPA 3546	375544	EPA 8270	376237
35318456024	SB-9 W25 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456025	SB-9 E25 (0-6")	EPA 3546	375544	EPA 8270	376237
35318456026	SB-9 E25 (6"-2')	EPA 3546	375544	EPA 8270	376237
35318456001	SB-1 (0-6")	EPA 8260	375527		
35318456002	SB-1 (6"-2')	EPA 8260	375527		
35318456003	SB-1 E25 (0-6")	EPA 8260	375527		
35318456004	SB-1 E25 (6"-2')	EPA 8260	375527		
35318456005	SB-1 W25 (0-6")	EPA 8260	375527		
35318456006	SB-1 W25 (6"-2')	EPA 8260	375527		
35318456007	SB-2 (0-6")	EPA 8260	375527		
35318456008	SB-2 (6"-2')	EPA 8260	375527		
35318456009	SB-3 (0-6")	EPA 8260	375527		
35318456010	SB-3 (6"-2')	EPA 8260	375527		
35318456011	SB-3 W25 (0-6")	EPA 8260	375527		
35318456012	SB-3 W25 (6"-2')	EPA 8260	375527		
35318456013	SB-3 E50 (0-6")	EPA 8260	375527		
35318456014	SB-3 E50 (6"-2')	EPA 8260	375527		
35318456015	SB-8 (0-6")	EPA 8260	376120		
35318456016	SB-8 (6"-2')	EPA 8260	375527		
35318456017	SB-8 E25 (0-6')	EPA 8260	375808		
35318456018	SB-8 E25 (6"-2')	EPA 8260	375808		
35318456019	SB-8 E50 (0-6')	EPA 8260	375808		
35318456020	SB-8 E50 (6"-2')	EPA 8260	375808		
35318456021	SB-9 (0-6")	EPA 8260	375808		
35318456022	SB-9 (6"-2')	EPA 8260	375808		
35318456023	SB-9 W25 (0-6")	EPA 8260	375808		
35318456024	SB-9 W25 (6"-2')	EPA 8260	375808		
35318456025	SB-9 E25 (0-6")	EPA 8260	375808		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318456

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318456026	SB-9 E25 (6"-2')	EPA 8260	375808		
35318456001	SB-1 (0-6")	ASTM D2974-87	376552		
35318456002	SB-1 (6"-2')	ASTM D2974-87	376552		
35318456003	SB-1 E25 (0-6")	ASTM D2974-87	376552		
35318456004	SB-1 E25 (6"-2')	ASTM D2974-87	376552		
35318456005	SB-1 W25 (0-6")	ASTM D2974-87	376552		
35318456006	SB-1 W25 (6"-2')	ASTM D2974-87	376552		
35318456007	SB-2 (0-6")	ASTM D2974-87	376552		
35318456008	SB-2 (6"-2')	ASTM D2974-87	376552		
35318456009	SB-3 (0-6")	ASTM D2974-87	376552		
35318456010	SB-3 (6"-2')	ASTM D2974-87	376552		
35318456011	SB-3 W25 (0-6")	ASTM D2974-87	376552		
35318456012	SB-3 W25 (6"-2')	ASTM D2974-87	376552		
35318456013	SB-3 E50 (0-6")	ASTM D2974-87	376552		
35318456014	SB-3 E50 (6"-2')	ASTM D2974-87	376552		
35318456015	SB-8 (0-6")	ASTM D2974-87	376552		
35318456016	SB-8 (6"-2')	ASTM D2974-87	376552		
35318456017	SB-8 E25 (0-6')	ASTM D2974-87	376552		
35318456018	SB-8 E25 (6"-2')	ASTM D2974-87	376552		
35318456019	SB-8 E50 (0-6')	ASTM D2974-87	376552		
35318456020	SB-8 E50 (6"-2')	ASTM D2974-87	376552		
35318456021	SB-9 (0-6")	ASTM D2974-87	376552		
35318456022	SB-9 (6"-2')	ASTM D2974-87	376552		
35318456023	SB-9 W25 (0-6")	ASTM D2974-87	376552		
35318456024	SB-9 W25 (6"-2')	ASTM D2974-87	376552		
35318456025	SB-9 E25 (0-6")	ASTM D2974-87	376552		
35318456026	SB-9 E25 (6"-2')	ASTM D2974-87	376552		

REPORT OF LABORATORY ANALYSIS

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WO#: 35318456



Page: 1 Of 3

CHAIN-OF-CUSTODY
The Chain-of-Custody

Section A
Required Client Information:
 Company: AMEC Foster Wheeler Environment & Infrastructure
 Address: 5845 NW 158th Street
 Miami Lakes, FL 33014
 Email: ashok.aiharaju@amec.com
 Phone: (954)995-6796
 Requested Due Date: _____
 Fax: _____

Section B
Required Project Information:
 Report To: Ash Aiharaju
 Copy To: _____
 Purchase Order #: _____
 Project Name: The Underline
 Project #: 6783-17-2870

Company Name: _____
 Address: _____
 Pace Quote: _____
 Pace Project Manager: christina.raschke@pacelabs.com
 Pace Profile #: 5651-9
 Regulatory Agency: _____
 State / Location: FL

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION		DATE		TIME	ACCEPTED BY / AFFILIATION	DATE		TIME	SAMPLE CONDITIONS
			START	END			DATE	TIME	DATE	TIME			DATE	TIME		
25	SB-4 (0-6")	Water	12:05		G		6/14/17	12:05	6/15/17	11:30		6/15/17	11:30			
26	SB-4 (6"-2')	Water	12:10		G		12:10									
27	SB-1 E 25 (0-6")	Water	12:25		G		12:25									
28	SB-1 E 25 (6"-2')	Water	12:30		G		12:30									
29	SB-4 W 25 (0-6")	Water	11:45		G		11:45									
30	SB-4 W 25 (6"-2')	Water	11:50		G		11:50									
31	SB-2 (0-6")	Water	11:14		G		11:14									
32	SB-2 (6"-2')	Water	11:17		G		11:17									
33	SB-3 (0-6")	Water	13:20		G		13:20									
34	SB-3 (6"-2')	Water	13:22		G		13:22									
35	SB-3 W 25 (0-6")	Water	13:00		G		13:00									
36	SB-3 W 25 (6"-2')	Water	13:15		G		13:15									

Requested Analysis Filtered (Y/N)

8151 Herbicides	
8081 Pesticides	
6010 Pb, As	✓
8260 VOC (PB)	✓
8RCRA	✓
TRPH-FLPRO	✓
8270 PAH	✓
8260 BTEX/MTBE	✓

Analyses Test Y/N

H2SO4	
Unpreserved	
HNO3	
HCl	
NaOH	
Na2S2O3	
Methanol	
Other	

Preservatives

OF CONTAINERS 44

SAMPLE TEMP AT COLLECTION

RELINQUISHED BY / AFFILIATION
 [Signature] 6/14/17 11:30
 [Signature] 6/15/17 11:30

DATE 6/15/17 11:30
 6/16/17 08:35
 6/16/17 08:00

ACCEPTED BY / AFFILIATION
 [Signature] 6/15/17 11:30
 [Signature] 6/16/17 08:35
 [Signature] 6/16/17 08:00

DATE 6/15/17 11:30
 6/16/17 08:35
 6/16/17 08:00

TIME 11:30
 08:35
 08:00

SAMPLE CONDITIONS
 Received on Ice (Y/N)
 Custody Sealed (Y/N)
 Cooler (Y/N)
 Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: NATHAN BULLER
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed: 6/15/17



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 Of 3

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: AMEC Foster Wheeler Environment & Infrastructure		Report To: Ash Altharaju		Attention:	
Address: 5845 NW 158th Street		Copy To:		Company Name:	
Miami Lakes, FL 33014		Purchase Order #:		Address:	
Email: ashok.altharaju@amec.com		Project Name: The Underline		Pace Quote:	
Phone: (954)895-6796		Project #: 6783-17-2970		Pace Project Manager: christina.raschke@pacelabs.com.	
Requested Due Date:				Pace Profile #: 5651-9	
				Regulatory Agency:	
				State / Location:	
				FL	

ITEM #	MATRIX	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	Y/N	REQUESTED ANALYSIS FILTERED (Y/N)	TEMP IN C	SAMPLE CONDITIONS							
			START DATE	END DATE								RECEIVED ON	ICE	CUSTODY	SEALED	COOLER	INTACT		
49	Drinking Water	DW	6/14/17	17:27	G	4	Unpreserved	8260 BTEX/MTBE	✓		41.7	Y	N	Y	Y	Y	Y		
50	Drinking Water	DW	6/15/17	17:29	G	4	Unpreserved	8260 BTEX/MTBE	✓		41.7	Y	N	Y	Y	Y	Y		
51	Drinking Water	DW						8260 VOC (PB)	✓										
52	Drinking Water	DW						8260 VOC (PB)	✓										
53	Drinking Water	DW						8260 VOC (PB)	✓										
54	Drinking Water	DW						8260 VOC (PB)	✓										
55	Drinking Water	DW						8260 VOC (PB)	✓										
56	Drinking Water	DW						8260 VOC (PB)	✓										
57	Drinking Water	DW						8260 VOC (PB)	✓										
58	Drinking Water	DW						8260 VOC (PB)	✓										
59	Drinking Water	DW						8260 VOC (PB)	✓										
60	Drinking Water	DW						8260 VOC (PB)	✓										
ADDITIONAL COMMENTS												DATE				DATE			
[Handwritten notes]												6/15/17 11:30				6/15/17 11:30			
[Handwritten notes]												6/15/17 11:30				6/15/17 11:30			

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: DANATHAN BUREY	DATE Signed: 6/15/17
SIGNATURE of SAMPLER: [Signature]	



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 11

Document Revised:
February 6, 2017
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO# : 35318456

PM: CTR Due Date: 06/22/17
CLIENT: 36-MACTEC

Date and Initials of person:
Examining contents: WJH/DA
Label: _____
Deliver: _____
pH: _____

Thermometer Used: TRO Date: WJH/DA Time: 1035 Initials: WJH

Cooler #1 Temp. °C 4.1 (Visual) +0.1 (Correction Factor) 4.2 (Actual)
Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Shipping Method: First Overnight Priority Overnight Standard Overnight Ground Other _____
Billing: Recipient Sender Third Party Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Ice: Wet Blue None

Packing Material: Bubble Wrap Bubble Bags None Other _____
Samples shorted to lab (if Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<p>See COMMENTS.</p> <p>Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____</p>
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):
all containers that had a depth of "6-2" on the COC, said "6-24" on the bottles. on the bottles "SB-3-E25-0-6" was actually "SB-3-E50 0-6" of the same issue with sample ID "SB-3-E50 0-2"

Project Manager Review: _____ Date: _____
all bottles collected matched perfect. Page 141 of 141

July 19, 2017

Ash Aitharaju
AMEC Foster Wheeler Environment &
Infrastructure
5845 NW 158th Street
Miami Lakes, FL 33014

RE: Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Dear Ash Aitharaju:

Enclosed are the analytical results for sample(s) received by the laboratory on June 16, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revision 1: TCLP and SPLP have been removed from hold.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Dallas Certification IDs:

400 West Bethany Dr Suite 190, Allen, TX 75013
Florida Certification #: E871118
EPA# TX00074
Texas Certification #: T104704232
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647

Oklahoma Certification #: TX00074
Louisiana Certification #: 30686
Iowa Certification #: 408
Florida Certification #: E871118
Nevada Certification #: TX00074

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35318696001	SB-10 (0-6")	Solid	06/15/17 12:02	06/16/17 13:55
35318696002	SB-10 (6"-2')	Solid	06/15/17 12:04	06/16/17 13:55
35318696003	SB-11 (0-6")	Solid	06/15/17 10:57	06/16/17 13:55
35318696004	SB-11 (6"-2')	Solid	06/15/17 10:59	06/16/17 13:55
35318696005	SB-11 E25 (0-6")	Solid	06/15/17 10:37	06/16/17 13:55
35318696006	SB-11 E25 (6"-2')	Solid	06/15/17 10:37	06/16/17 13:55
35318696007	SB-11 W25 (0-6")	Solid	06/15/17 11:12	06/16/17 13:55
35318696008	SB-11 W25 (6"-2')	Solid	06/15/17 11:14	06/16/17 13:55
35318696009	SB-12 E25 (0-6")	Solid	06/15/17 14:32	06/16/17 13:55
35318696010	SB-12 E25 (6"-2')	Solid	06/15/17 14:34	06/16/17 13:55
35318696011	SB-12 W25 (0-6")	Solid	06/15/17 14:07	06/16/17 13:55
35318696012	SB-12 W25 (6"-2')	Solid	06/15/17 14:09	06/16/17 13:55
35318696013	SB-13 (0-6")	Solid	06/15/17 15:37	06/16/17 13:55
35318696014	SB-13 (6"-2')	Solid	06/15/17 15:39	06/16/17 13:55
35318696015	SB-14 E25 (0-6")	Solid	06/15/17 16:07	06/16/17 13:55
35318696016	SB-14 E25 (6"-2')	Solid	06/15/17 16:09	06/16/17 13:55
35318696017	SB-14 W25 (0-6")	Solid	06/15/17 16:17	06/16/17 13:55
35318696018	SB-14 W25 (6"-2')	Solid	06/15/17 16:19	06/16/17 13:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318696001	SB-10 (0-6")	EPA 8081	JLG	22	PASI-O
		EPA 8151	PMS	12	PASI-D
		FL-PRO	JGW	3	PASI-O
		EPA 6010	LEC	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696002	SB-10 (6"-2')	EPA 8081	JLG	22	PASI-O
		EPA 8151	PMS	12	PASI-D
		FL-PRO	JGW	3	PASI-O
		EPA 6010	LEC	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696003	SB-11 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696004	SB-11 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696005	SB-11 E25 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696006	SB-11 E25 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696007	SB-11 W25 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696008	SB-11 W25 (6"-2')	EPA 6010	BTS	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318696009	SB-12 E25 (0-6")	EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
35318696010	SB-12 E25 (6"-2')	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
35318696011	SB-12 W25 (0-6")	EPA 6010	RVK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
35318696012	SB-12 W25 (6"-2')	EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696013	SB-13 (0-6")	FL-PRO	JGW	3	PASI-O
		EPA 6010	RVK	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		FL-PRO	JGW	3	PASI-O
35318696014	SB-13 (6"-2')	EPA 6010	BTS, RVK	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		FL-PRO	JGW	3	PASI-O
		EPA 6010	RVK	2	PASI-O
35318696015	SB-14 E25 (0-6')	EPA 8270	TWB	21	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318696016	SB-14 E25 (6"-2')	EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
35318696017	SB-14 W25 (0-6")	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318696018	SB-14 W25 (6-2')	EPA 6010	RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318696001	SB-10 (0-6")					
EPA 8081	gamma-BHC (Lindane)	0.0018	l	mg/kg	0.0083	06/20/17 16:53
EPA 8081	4,4'-DDE	0.00085	l	mg/kg	0.0083	06/20/17 16:53
EPA 8081	Endosulfan I	0.00021	l	mg/kg	0.0083	06/20/17 16:53
EPA 6010	Arsenic	3.3		mg/kg	0.63	06/19/17 16:27
EPA 6010	Barium	11.9		mg/kg	0.63	06/19/17 16:27
EPA 6010	Cadmium	0.19		mg/kg	0.063	06/19/17 16:27
EPA 6010	Chromium	7.2		mg/kg	0.32	06/19/17 16:27
EPA 6010	Lead	73.4		mg/kg	0.63	06/19/17 16:27
EPA 7471	Mercury	0.023		mg/kg	0.012	06/20/17 14:38
EPA 8270	Acenaphthylene	0.016	l	mg/kg	0.041	06/23/17 08:26
EPA 8270	Benzo(a)anthracene	0.041	l	mg/kg	0.041	06/23/17 08:26
EPA 8270	Benzo(a)pyrene	0.068		mg/kg	0.041	06/23/17 08:26
EPA 8270	Benzo(b)fluoranthene	0.080		mg/kg	0.041	06/23/17 08:26
EPA 8270	Benzo(g,h,i)perylene	0.055		mg/kg	0.041	06/23/17 08:26
EPA 8270	Benzo(k)fluoranthene	0.076		mg/kg	0.041	06/23/17 08:26
EPA 8270	Chrysene	0.065		mg/kg	0.041	06/23/17 08:26
EPA 8270	Fluoranthene	0.061		mg/kg	0.041	06/23/17 08:26
EPA 8270	Indeno(1,2,3-cd)pyrene	0.043		mg/kg	0.041	06/23/17 08:26
EPA 8270	Pyrene	0.071		mg/kg	0.041	06/23/17 08:26
EPA 8260	Acetone	0.13		mg/kg	0.022	06/21/17 01:05
ASTM D2974-87	Percent Moisture	19.7		%	0.10	06/22/17 14:00
35318696002	SB-10 (6"-2')					
EPA 8081	4,4'-DDT	0.0011	l	mg/kg	0.0040	06/20/17 19:32
EPA 6010	Arsenic	0.98		mg/kg	0.68	06/19/17 16:31
EPA 6010	Barium	4.3		mg/kg	0.68	06/19/17 16:31
EPA 6010	Chromium	7.0		mg/kg	0.34	06/19/17 16:31
EPA 6010	Lead	5.4		mg/kg	0.68	06/19/17 16:31
EPA 7471	Mercury	0.015		mg/kg	0.011	06/20/17 14:40
EPA 8260	Acetone	0.049		mg/kg	0.024	06/21/17 01:28
ASTM D2974-87	Percent Moisture	17.7		%	0.10	06/22/17 14:00
35318696003	SB-11 (0-6")					
EPA 6010	Arsenic	2.4		mg/kg	0.64	06/19/17 16:35
EPA 6010	Lead	13.6		mg/kg	0.64	06/19/17 16:35
EPA 8270	Benzo(a)anthracene	0.034	l	mg/kg	0.037	06/23/17 09:10
EPA 8270	Benzo(a)pyrene	0.045		mg/kg	0.037	06/23/17 09:10
EPA 8270	Benzo(b)fluoranthene	0.058		mg/kg	0.037	06/23/17 09:10
EPA 8270	Benzo(g,h,i)perylene	0.035	l	mg/kg	0.037	06/23/17 09:10
EPA 8270	Benzo(k)fluoranthene	0.040		mg/kg	0.037	06/23/17 09:10
EPA 8270	Chrysene	0.046		mg/kg	0.037	06/23/17 09:10
EPA 8270	Fluoranthene	0.064		mg/kg	0.037	06/23/17 09:10
EPA 8270	Indeno(1,2,3-cd)pyrene	0.027	l	mg/kg	0.037	06/23/17 09:10
EPA 8270	Pyrene	0.065		mg/kg	0.037	06/23/17 09:10
EPA 8260	Acetone	0.10		mg/kg	0.019	06/21/17 01:51
ASTM D2974-87	Percent Moisture	11.5		%	0.10	06/22/17 14:00
35318696004	SB-11 (6"-2')					
EPA 6010	Arsenic	3.0		mg/kg	0.63	06/19/17 16:39

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318696004	SB-11 (6"-2')					
EPA 6010	Lead	8.4	mg/kg	0.63	06/19/17 16:39	
EPA 8270	Benzo(a)pyrene	0.0081 l	mg/kg	0.037	06/23/17 09:33	
EPA 8270	Fluoranthene	0.018 l	mg/kg	0.037	06/23/17 09:33	
EPA 8260	Acetone	0.35	mg/kg	0.019	06/21/17 02:14	
ASTM D2974-87	Percent Moisture	11.3	%	0.10	06/22/17 14:00	
35318696005	SB-11 E25 (0-6")					
EPA 6010	Arsenic	2.8	mg/kg	0.53	06/19/17 16:43	
EPA 6010	Lead	13.6	mg/kg	0.53	06/19/17 16:43	
EPA 8270	Benzo(a)anthracene	0.031 l	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Benzo(a)pyrene	0.038	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Benzo(b)fluoranthene	0.049	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Benzo(g,h,i)perylene	0.038	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Benzo(k)fluoranthene	0.035 l	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Chrysene	0.042	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Fluoranthene	0.056	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.025 l	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Phenanthrene	0.017 l	mg/kg	0.037	06/23/17 09:55	
EPA 8270	Pyrene	0.055	mg/kg	0.037	06/23/17 09:55	
EPA 8260	Acetone	0.18	mg/kg	0.023	06/21/17 02:37	
ASTM D2974-87	Percent Moisture	11.5	%	0.10	06/22/17 14:00	
35318696006	SB-11 E25 (6"-2')					
EPA 6010	Arsenic	0.75 l	mg/kg	0.80	06/19/17 16:48	
EPA 6010	Lead	1.5	mg/kg	0.80	06/19/17 16:48	
EPA 8260	Acetone	0.24	mg/kg	0.024	06/21/17 03:23	
ASTM D2974-87	Percent Moisture	31.0	%	0.10	06/22/17 14:00	
35318696007	SB-11 W25 (0-6")					
EPA 6010	Arsenic	2.8	mg/kg	0.60	06/19/17 16:52	
EPA 6010	Lead	39.2	mg/kg	0.60	06/19/17 16:52	
EPA 8270	Anthracene	0.049	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Benzo(a)anthracene	0.28	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Benzo(a)pyrene	0.39	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Benzo(b)fluoranthene	0.76	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Benzo(g,h,i)perylene	0.29	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Chrysene	0.46	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Dibenz(a,h)anthracene	0.068	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Fluoranthene	0.74	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Phenanthrene	0.19	mg/kg	0.038	06/23/17 10:39	
EPA 8270	Pyrene	0.66	mg/kg	0.038	06/23/17 10:39	
EPA 8260	Acetone	0.25	mg/kg	0.026	06/21/17 03:46	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	06/22/17 14:00	
35318696008	SB-11 W25 (6"-2')					
EPA 6010	Arsenic	0.59 l	mg/kg	0.67	06/19/17 17:04	
EPA 6010	Lead	1.8	mg/kg	0.67	06/19/17 17:04	
EPA 8270	Benzo(a)pyrene	0.0075 l	mg/kg	0.036	06/23/17 11:01	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318696008	SB-11 W25 (6"-2')					
EPA 8260	Acetone	0.13	mg/kg	0.021	06/21/17 04:32	
ASTM D2974-87	Percent Moisture	7.6	%	0.10	06/22/17 14:00	
35318696009	SB-12 E25 (0-6")					
EPA 6010	Arsenic	9.4	mg/kg	0.55	06/19/17 17:08	
EPA 6010	Lead	24.0	mg/kg	0.55	06/19/17 17:08	
EPA 6010	Arsenic	0.014	mg/L	0.010	07/19/17 01:32	Q
EPA 8270	Acenaphthylene	0.042	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Anthracene	0.033 I	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Benzo(a)anthracene	0.15	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Benzo(a)pyrene	0.21	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Benzo(b)fluoranthene	0.34	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Benzo(g,h,i)perylene	0.19	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Benzo(k)fluoranthene	0.19	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Chrysene	0.23	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Dibenz(a,h)anthracene	0.034 I	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Fluoranthene	0.30	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	0.037	06/23/17 11:24	
EPA 8270	1-Methylnaphthalene	0.023 I	mg/kg	0.037	06/23/17 11:24	
EPA 8270	2-Methylnaphthalene	0.023 I	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Naphthalene	0.019 I	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Phenanthrene	0.070	mg/kg	0.037	06/23/17 11:24	
EPA 8270	Pyrene	0.31	mg/kg	0.037	06/23/17 11:24	
EPA 8260	Acetone	0.26	mg/kg	0.021	06/21/17 04:56	
ASTM D2974-87	Percent Moisture	10.3	%	0.10	06/22/17 14:00	
35318696010	SB-12 E25 (6"-2')					
EPA 6010	Arsenic	23.3	mg/kg	0.61	06/19/17 17:22	
EPA 6010	Lead	4.1	mg/kg	0.61	06/19/17 17:22	
EPA 6010	Arsenic	0.038	mg/L	0.010	07/19/17 01:42	Q
EPA 8270	Acenaphthylene	0.022 I	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Anthracene	0.011 I	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Benzo(a)anthracene	0.046	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Benzo(a)pyrene	0.063	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Benzo(b)fluoranthene	0.12	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Benzo(g,h,i)perylene	0.044	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Chrysene	0.061	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Fluoranthene	0.064	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.038	mg/kg	0.036	06/23/17 11:46	
EPA 8270	Pyrene	0.072	mg/kg	0.036	06/23/17 11:46	
EPA 8260	Acetone	0.050	mg/kg	0.020	06/21/17 05:19	
ASTM D2974-87	Percent Moisture	8.6	%	0.10	06/22/17 14:00	
35318696011	SB-12 W25 (0-6")					
EPA 6010	Arsenic	18.6	mg/kg	0.60	06/20/17 16:15	
EPA 6010	Lead	38.3	mg/kg	0.60	06/20/17 16:15	
EPA 6010	Arsenic	0.022	mg/L	0.010	07/19/17 01:57	Q
EPA 8270	Acenaphthylene	0.020 I	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Anthracene	0.015 I	mg/kg	0.039	06/23/17 12:08	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318696011	SB-12 W25 (0-6")					
EPA 8270	Benzo(a)anthracene	0.068	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Benzo(a)pyrene	0.12	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Benzo(b)fluoranthene	0.17	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Benzo(g,h,i)perylene	0.082	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Benzo(k)fluoranthene	0.085	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Chrysene	0.11	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Fluoranthene	0.16	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.069	mg/kg	0.039	06/23/17 12:08	
EPA 8270	1-Methylnaphthalene	0.020	l	0.039	06/23/17 12:08	
EPA 8270	2-Methylnaphthalene	0.019	l	0.039	06/23/17 12:08	
EPA 8270	Naphthalene	0.017	l	0.039	06/23/17 12:08	
EPA 8270	Phenanthrene	0.044	mg/kg	0.039	06/23/17 12:08	
EPA 8270	Pyrene	0.15	mg/kg	0.039	06/23/17 12:08	
EPA 8260	Acetone	0.21	mg/kg	0.021	06/21/17 05:42	
ASTM D2974-87	Percent Moisture	16.3	%	0.10	06/22/17 14:00	
35318696012	SB-12 W25 (6"-2')					
EPA 6010	Arsenic	76.1	mg/kg	0.58	06/20/17 16:19	
EPA 6010	Lead	3.0	mg/kg	0.58	06/20/17 16:19	
EPA 6010	Arsenic	0.095	mg/L	0.010	07/19/17 02:02	Q
EPA 8270	Acenaphthylene	0.021	l	0.035	06/23/17 12:30	
EPA 8270	Anthracene	0.013	l	0.035	06/23/17 12:30	
EPA 8270	Benzo(a)anthracene	0.017	l	0.035	06/23/17 12:30	
EPA 8270	Benzo(a)pyrene	0.046	mg/kg	0.035	06/23/17 12:30	
EPA 8270	Benzo(b)fluoranthene	0.075	mg/kg	0.035	06/23/17 12:30	
EPA 8270	Benzo(g,h,i)perylene	0.042	mg/kg	0.035	06/23/17 12:30	
EPA 8270	Benzo(k)fluoranthene	0.043	mg/kg	0.035	06/23/17 12:30	
EPA 8270	Chrysene	0.043	mg/kg	0.035	06/23/17 12:30	
EPA 8270	Fluoranthene	0.025	l	0.035	06/23/17 12:30	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.031	l	0.035	06/23/17 12:30	
EPA 8270	1-Methylnaphthalene	0.030	l	0.035	06/23/17 12:30	
EPA 8270	2-Methylnaphthalene	0.036	mg/kg	0.035	06/23/17 12:30	
EPA 8270	Naphthalene	0.019	l	0.035	06/23/17 12:30	
EPA 8270	Phenanthrene	0.023	l	0.035	06/23/17 12:30	
EPA 8270	Pyrene	0.038	mg/kg	0.035	06/23/17 12:30	
EPA 8260	Acetone	0.22	mg/kg	0.021	06/21/17 06:05	
ASTM D2974-87	Percent Moisture	6.8	%	0.10	06/22/17 14:00	
35318696013	SB-13 (0-6")					
EPA 6010	Arsenic	1.2	mg/kg	0.97	06/20/17 16:23	
EPA 6010	Barium	11.7	mg/kg	0.97	06/20/17 16:23	
EPA 6010	Cadmium	0.12	mg/kg	0.097	06/20/17 16:23	
EPA 6010	Chromium	8.5	mg/kg	0.48	06/20/17 16:23	
EPA 6010	Lead	8.3	mg/kg	0.97	06/20/17 16:23	
EPA 7471	Mercury	0.028	mg/kg	0.015	06/20/17 14:43	
EPA 8270	Anthracene	0.028	l	0.053	06/23/17 13:17	
EPA 8270	Benzo(a)anthracene	0.11	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Benzo(a)pyrene	0.082	mg/kg	0.053	06/23/17 13:17	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318696013	SB-13 (0-6")					
EPA 8270	Benzo(b)fluoranthene	0.13	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Benzo(g,h,i)perylene	0.074	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Benzo(k)fluoranthene	0.065	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Chrysene	0.061	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Fluoranthene	0.15	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.056	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Phenanthrene	0.13	mg/kg	0.053	06/23/17 13:17	
EPA 8270	Pyrene	0.12	mg/kg	0.053	06/23/17 13:17	
ASTM D2974-87	Percent Moisture	38.1	%	0.10	06/22/17 14:00	
35318696014	SB-13 (6"-2')					
FL-PRO	Petroleum Range Organics	20.4	mg/kg	9.1	06/21/17 21:03	
EPA 6010	Barium	10.6	mg/kg	0.66	06/20/17 16:27	
EPA 6010	Chromium	3.9	mg/kg	0.33	06/20/17 16:27	
EPA 7471	Mercury	0.039	mg/kg	0.011	06/20/17 14:45	
EPA 8270	Acenaphthene	0.10	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Acenaphthylene	0.028 l	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Anthracene	0.21	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Benzo(a)anthracene	0.62	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Benzo(a)pyrene	0.54	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Benzo(b)fluoranthene	0.72	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Benzo(g,h,i)perylene	0.43	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Benzo(k)fluoranthene	0.30	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Chrysene	0.54	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Dibenz(a,h)anthracene	0.13	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Fluoranthene	0.96	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Fluorene	0.077	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	0.046	06/23/17 13:40	
EPA 8270	1-Methylnaphthalene	0.019 l	mg/kg	0.046	06/23/17 13:40	
EPA 8270	2-Methylnaphthalene	0.019 l	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Naphthalene	0.026 l	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Phenanthrene	0.90	mg/kg	0.046	06/23/17 13:40	
EPA 8270	Pyrene	0.86	mg/kg	0.046	06/23/17 13:40	
ASTM D2974-87	Percent Moisture	28.0	%	0.10	06/22/17 14:00	
35318696015	SB-14 E25 (0-6')					
EPA 6010	Arsenic	3.4	mg/kg	1.2	06/20/17 16:32	
EPA 6010	Lead	100	mg/kg	1.2	06/20/17 16:32	
EPA 8270	Anthracene	0.017 l	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Benzo(a)anthracene	0.12	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Benzo(a)pyrene	0.14	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Benzo(b)fluoranthene	0.22	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Benzo(g,h,i)perylene	0.15	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Benzo(k)fluoranthene	0.13	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Chrysene	0.15	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Dibenz(a,h)anthracene	0.051	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Fluoranthene	0.18	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	0.045	06/23/17 14:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318696015	SB-14 E25 (0-6')					
EPA 8270	Phenanthrene	0.046	mg/kg	0.045	06/23/17 14:03	
EPA 8270	Pyrene	0.15	mg/kg	0.045	06/23/17 14:03	
EPA 8260	Acetone	0.10	mg/kg	0.028	06/21/17 07:14	
ASTM D2974-87	Percent Moisture	26.7	%	0.10	06/22/17 14:00	
35318696016	SB-14 E25 (6"-2')					
EPA 6010	Arsenic	56.8	mg/kg	0.76	06/20/17 16:36	
EPA 6010	Lead	533	mg/kg	0.76	06/20/17 16:36	
EPA 6010	Arsenic	0.020	mg/L	0.010	07/19/17 02:07	Q
EPA 6010	Lead	0.34	mg/L	0.050	07/18/17 13:25	
EPA 8270	Acenaphthylene	0.68	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Anthracene	0.28	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Benzo(a)anthracene	1.5	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Benzo(a)pyrene	2.0	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Benzo(b)fluoranthene	2.8	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Benzo(g,h,i)perylene	1.3	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Benzo(k)fluoranthene	1.9	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Chrysene	1.9	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Dibenz(a,h)anthracene	0.33	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Fluoranthene	2.2	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Indeno(1,2,3-cd)pyrene	1.1	mg/kg	0.052	06/23/17 12:53	
EPA 8270	1-Methylnaphthalene	0.046 l	mg/kg	0.052	06/23/17 12:53	
EPA 8270	2-Methylnaphthalene	0.046 l	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Naphthalene	0.052 l	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Phenanthrene	0.13	mg/kg	0.052	06/23/17 12:53	
EPA 8270	Pyrene	2.8	mg/kg	0.052	06/23/17 12:53	
EPA 8260	Acetone	0.30	mg/kg	0.032	06/21/17 07:37	
ASTM D2974-87	Percent Moisture	36.7	%	0.10	06/22/17 14:00	
35318696017	SB-14 W25 (0-6")					
EPA 6010	Arsenic	0.74	mg/kg	0.61	06/22/17 21:22	
EPA 6010	Lead	13.9	mg/kg	0.61	06/22/17 21:22	
EPA 8270	Acenaphthylene	0.019 l	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Anthracene	0.015 l	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Benzo(a)anthracene	0.045	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Benzo(a)pyrene	0.060	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Benzo(b)fluoranthene	0.087	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Benzo(g,h,i)perylene	0.038	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Benzo(k)fluoranthene	0.052	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Chrysene	0.063	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Fluoranthene	0.071	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.031 l	mg/kg	0.037	06/23/17 13:15	
EPA 8270	Pyrene	0.081	mg/kg	0.037	06/23/17 13:15	
EPA 8260	Acetone	0.12	mg/kg	0.021	06/21/17 08:00	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	06/22/17 14:00	
35318696018	SB-14 W25 (6-2')					
EPA 6010	Lead	5.5 l	mg/kg	6.2	06/23/17 02:42	
EPA 8260	Acetone	0.23	mg/kg	0.049	06/21/17 08:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318696018	SB-14 W25 (6-2')					
ASTM D2974-87	Percent Moisture	58.7	%	0.10	06/22/17 14:00	J(D6)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-10 (0-6")** Lab ID: **35318696001** Collected: 06/15/17 12:02 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides									
Analytical Method: EPA 8081 Preparation Method: EPA 3546									
Aldrin	0.00028 U	mg/kg	0.0083	0.00028	2	06/20/17 10:20	06/20/17 16:53	309-00-2	
alpha-BHC	0.00034 U	mg/kg	0.0083	0.00034	2	06/20/17 10:20	06/20/17 16:53	319-84-6	D3
beta-BHC	0.00037 U	mg/kg	0.0083	0.00037	2	06/20/17 10:20	06/20/17 16:53	319-85-7	
delta-BHC	0.00042 U	mg/kg	0.0083	0.00042	2	06/20/17 10:20	06/20/17 16:53	319-86-8	
gamma-BHC (Lindane)	0.0018 I	mg/kg	0.0083	0.00072	2	06/20/17 10:20	06/20/17 16:53	58-89-9	
Chlordane (Technical)	0.077 U	mg/kg	0.083	0.077	2	06/20/17 10:20	06/20/17 16:53	57-74-9	
4,4'-DDD	0.00064 U	mg/kg	0.0083	0.00064	2	06/20/17 10:20	06/20/17 16:53	72-54-8	
4,4'-DDE	0.00085 I	mg/kg	0.0083	0.00030	2	06/20/17 10:20	06/20/17 16:53	72-55-9	
4,4'-DDT	0.00047 U	mg/kg	0.0083	0.00047	2	06/20/17 10:20	06/20/17 16:53	50-29-3	
Dieldrin	0.00019 U	mg/kg	0.0083	0.00019	2	06/20/17 10:20	06/20/17 16:53	60-57-1	
Endosulfan I	0.00021 I	mg/kg	0.0083	0.00012	2	06/20/17 10:20	06/20/17 16:53	959-98-8	
Endosulfan II	0.00028 U	mg/kg	0.0083	0.00028	2	06/20/17 10:20	06/20/17 16:53	33213-65-9	
Endosulfan sulfate	0.00021 U	mg/kg	0.0083	0.00021	2	06/20/17 10:20	06/20/17 16:53	1031-07-8	
Endrin	0.00025 U	mg/kg	0.0083	0.00025	2	06/20/17 10:20	06/20/17 16:53	72-20-8	
Endrin aldehyde	0.00032 U	mg/kg	0.016	0.00032	2	06/20/17 10:20	06/20/17 16:53	7421-93-4	
Endrin ketone	0.00039 U	mg/kg	0.0083	0.00039	2	06/20/17 10:20	06/20/17 16:53	53494-70-5	
Heptachlor	0.00019 U	mg/kg	0.0083	0.00019	2	06/20/17 10:20	06/20/17 16:53	76-44-8	
Heptachlor epoxide	0.00054 U	mg/kg	0.0083	0.00054	2	06/20/17 10:20	06/20/17 16:53	1024-57-3	
Methoxychlor	0.0051 U	mg/kg	0.0083	0.0051	2	06/20/17 10:20	06/20/17 16:53	72-43-5	
Toxaphene	0.036 U	mg/kg	0.083	0.036	2	06/20/17 10:20	06/20/17 16:53	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	104	%	53-140		2	06/20/17 10:20	06/20/17 16:53	877-09-8	
Decachlorobiphenyl (S)	118	%	43-157		2	06/20/17 10:20	06/20/17 16:53	2051-24-3	
8151 Chlorinated Herbicides									
Analytical Method: EPA 8151 Preparation Method: EPA 8151									
2,4-D	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	94-75-7	
Dalapon	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	75-99-0	
2,4-DB	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	94-82-6	
Dicamba	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	1918-00-9	J(L2)
Dichloroprop	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	120-36-5	
Dinoseb	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	88-85-7	
MCPA	2.4 U	mg/kg	2.4	2.4	10	06/21/17 15:27	06/23/17 10:03	94-74-6	
MCPP	2.4 U	mg/kg	2.4	2.4	10	06/21/17 15:27	06/23/17 10:03	7085-19-0	
Pentachlorophenol	0.022 U	mg/kg	0.055	0.022	10	06/21/17 15:27	06/23/17 10:03	87-86-5	N2
2,4,5-T	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	93-76-5	
2,4,5-TP (Silvex)	0.024 U	mg/kg	0.024	0.024	10	06/21/17 15:27	06/23/17 10:03	93-72-1	
Surrogates									
2,4-DCAA (S)	79	%	10-188		10	06/21/17 15:27	06/23/17 10:27	19719-28-9	D3
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	5.2 U	mg/kg	8.1	5.2	1	06/20/17 11:00	06/21/17 19:50		
Surrogates									
o-Terphenyl (S)	90	%	62-109		1	06/20/17 11:00	06/21/17 19:50	84-15-1	
N-Pentatriacontane (S)	57	%	42-159		1	06/20/17 11:00	06/21/17 19:50	630-07-09	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-10 (0-6")** Lab ID: **35318696001** Collected: 06/15/17 12:02 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.3	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 16:27	7440-38-2	
Barium	11.9	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 16:27	7440-39-3	
Cadmium	0.19	mg/kg	0.063	0.032	1	06/18/17 16:50	06/19/17 16:27	7440-43-9	
Chromium	7.2	mg/kg	0.32	0.16	1	06/18/17 16:50	06/19/17 16:27	7440-47-3	
Lead	73.4	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 16:27	7439-92-1	
Selenium	2.4 U	mg/kg	4.7	2.4	5	06/18/17 16:50	06/20/17 13:52	7782-49-2	D3
Silver	0.16 U	mg/kg	0.32	0.16	1	06/18/17 16:50	06/19/17 16:27	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.023	mg/kg	0.012	0.0061	1	06/20/17 09:23	06/20/17 14:38	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.015 U	mg/kg	0.041	0.015	1	06/20/17 09:40	06/23/17 08:26	83-32-9	
Acenaphthylene	0.016 I	mg/kg	0.041	0.013	1	06/20/17 09:40	06/23/17 08:26	208-96-8	
Anthracene	0.013 U	mg/kg	0.041	0.013	1	06/20/17 09:40	06/23/17 08:26	120-12-7	
Benzo(a)anthracene	0.041 I	mg/kg	0.041	0.012	1	06/20/17 09:40	06/23/17 08:26	56-55-3	
Benzo(a)pyrene	0.068	mg/kg	0.041	0.0048	1	06/20/17 09:40	06/23/17 08:26	50-32-8	
Benzo(b)fluoranthene	0.080	mg/kg	0.041	0.031	1	06/20/17 09:40	06/23/17 08:26	205-99-2	
Benzo(g,h,i)perylene	0.055	mg/kg	0.041	0.015	1	06/20/17 09:40	06/23/17 08:26	191-24-2	
Benzo(k)fluoranthene	0.076	mg/kg	0.041	0.0089	1	06/20/17 09:40	06/23/17 08:26	207-08-9	
Chrysene	0.065	mg/kg	0.041	0.015	1	06/20/17 09:40	06/23/17 08:26	218-01-9	
Dibenz(a,h)anthracene	0.021 U	mg/kg	0.041	0.021	1	06/20/17 09:40	06/23/17 08:26	53-70-3	
Fluoranthene	0.061	mg/kg	0.041	0.013	1	06/20/17 09:40	06/23/17 08:26	206-44-0	
Fluorene	0.019 U	mg/kg	0.041	0.019	1	06/20/17 09:40	06/23/17 08:26	86-73-7	
Indeno(1,2,3-cd)pyrene	0.043	mg/kg	0.041	0.021	1	06/20/17 09:40	06/23/17 08:26	193-39-5	
1-Methylnaphthalene	0.015 U	mg/kg	0.041	0.015	1	06/20/17 09:40	06/23/17 08:26	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.041	0.017	1	06/20/17 09:40	06/23/17 08:26	91-57-6	
Naphthalene	0.013 U	mg/kg	0.041	0.013	1	06/20/17 09:40	06/23/17 08:26	91-20-3	
Phenanthrene	0.016 U	mg/kg	0.041	0.016	1	06/20/17 09:40	06/23/17 08:26	85-01-8	
Pyrene	0.071	mg/kg	0.041	0.021	1	06/20/17 09:40	06/23/17 08:26	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	16-123		1	06/20/17 09:40	06/23/17 08:26	4165-60-0	
2-Fluorobiphenyl (S)	52	%	32-129		1	06/20/17 09:40	06/23/17 08:26	321-60-8	
Terphenyl-d14 (S)	30	%	38-138		1	06/20/17 09:40	06/23/17 08:26	1718-51-0	J(S0)
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/21/17 01:05	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/21/17 01:05	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0055	0.0028	1		06/21/17 01:05	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	96-18-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-10 (0-6") **Lab ID: 35318696001** Collected: 06/15/17 12:02 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	120-82-1	
1,2,4-Trimethylbenzene	0.0031 U	mg/kg	0.0055	0.0031	1		06/21/17 01:05	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	95-50-1	
1,2-Dichloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	107-06-2	
1,2-Dichloroethene (Total)	0.0033 U	mg/kg	0.0055	0.0033	1		06/21/17 01:05	540-59-0	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	78-87-5	
1,3,5-Trimethylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/21/17 01:05	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0055	0.0028	1		06/21/17 01:05	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0055	0.0028	1		06/21/17 01:05	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	108-10-1	
Acetone	0.13	mg/kg	0.022	0.011	1		06/21/17 01:05	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.055	0.027	1		06/21/17 01:05	75-05-8	
Benzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/21/17 01:05	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	75-25-2	J(L2)
Bromomethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	108-90-7	
Chloroethane	0.0039 U	mg/kg	0.0055	0.0039	1		06/21/17 01:05	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0055	0.0032	1		06/21/17 01:05	67-66-3	
Chloromethane	0.0031 U	mg/kg	0.0055	0.0031	1		06/21/17 01:05	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0055	0.0029	1		06/21/17 01:05	75-71-8	
Ethylbenzene	0.0031 U	mg/kg	0.0055	0.0031	1		06/21/17 01:05	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	74-88-4	
Isopropylbenzene (Cumene)	0.0032 U	mg/kg	0.0055	0.0032	1		06/21/17 01:05	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	75-09-2	
Styrene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	127-18-4	
Toluene	0.0030 U	mg/kg	0.0055	0.0030	1		06/21/17 01:05	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0055	0.0031	1		06/21/17 01:05	79-01-6	
Trichlorofluoromethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/21/17 01:05	75-69-4	
Vinyl acetate	0.0028 U	mg/kg	0.0055	0.0028	1		06/21/17 01:05	108-05-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-10 (0-6") **Lab ID: 35318696001** Collected: 06/15/17 12:02 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Vinyl chloride	0.0030 U	mg/kg	0.0055	0.0030	1		06/21/17 01:05	75-01-4	
Xylene (Total)	0.0056 U	mg/kg	0.016	0.0056	1		06/21/17 01:05	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	10061-01-5	
m&p-Xylene	0.0056 U	mg/kg	0.011	0.0056	1		06/21/17 01:05	179601-23-1	
n-Butylbenzene	0.0033 U	mg/kg	0.0055	0.0033	1		06/21/17 01:05	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0055	0.0029	1		06/21/17 01:05	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0055	0.0028	1		06/21/17 01:05	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0055	0.0033	1		06/21/17 01:05	99-87-6	
sec-Butylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/21/17 01:05	135-98-8	
tert-Butylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/21/17 01:05	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0055	0.0033	1		06/21/17 01:05	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0055	0.0027	1		06/21/17 01:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/21/17 01:05	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/21/17 01:05	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 01:05	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.7	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-10 (6"-2') **Lab ID: 35318696002** Collected: 06/15/17 12:04 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides									
Analytical Method: EPA 8081 Preparation Method: EPA 3546									
Aldrin	0.00014 U	mg/kg	0.0040	0.00014	1	06/20/17 10:20	06/20/17 19:32	309-00-2	
alpha-BHC	0.00016 U	mg/kg	0.0040	0.00016	1	06/20/17 10:20	06/20/17 19:32	319-84-6	
beta-BHC	0.00018 U	mg/kg	0.0040	0.00018	1	06/20/17 10:20	06/20/17 19:32	319-85-7	
delta-BHC	0.00021 U	mg/kg	0.0040	0.00021	1	06/20/17 10:20	06/20/17 19:32	319-86-8	
gamma-BHC (Lindane)	0.00035 U	mg/kg	0.0040	0.00035	1	06/20/17 10:20	06/20/17 19:32	58-89-9	
Chlordane (Technical)	0.038 U	mg/kg	0.040	0.038	1	06/20/17 10:20	06/20/17 19:32	57-74-9	
4,4'-DDD	0.00031 U	mg/kg	0.0040	0.00031	1	06/20/17 10:20	06/20/17 19:32	72-54-8	
4,4'-DDE	0.00015 U	mg/kg	0.0040	0.00015	1	06/20/17 10:20	06/20/17 19:32	72-55-9	
4,4'-DDT	0.0011 I	mg/kg	0.0040	0.00023	1	06/20/17 10:20	06/20/17 19:32	50-29-3	
Dieldrin	0.000095 U	mg/kg	0.0040	0.000095	1	06/20/17 10:20	06/20/17 19:32	60-57-1	
Endosulfan I	0.000060 U	mg/kg	0.0040	0.000060	1	06/20/17 10:20	06/20/17 19:32	959-98-8	
Endosulfan II	0.00014 U	mg/kg	0.0040	0.00014	1	06/20/17 10:20	06/20/17 19:32	33213-65-9	
Endosulfan sulfate	0.00010 U	mg/kg	0.0040	0.00010	1	06/20/17 10:20	06/20/17 19:32	1031-07-8	
Endrin	0.00012 U	mg/kg	0.0040	0.00012	1	06/20/17 10:20	06/20/17 19:32	72-20-8	
Endrin aldehyde	0.00016 U	mg/kg	0.0079	0.00016	1	06/20/17 10:20	06/20/17 19:32	7421-93-4	
Endrin ketone	0.00019 U	mg/kg	0.0040	0.00019	1	06/20/17 10:20	06/20/17 19:32	53494-70-5	
Heptachlor	0.000093 U	mg/kg	0.0040	0.000093	1	06/20/17 10:20	06/20/17 19:32	76-44-8	
Heptachlor epoxide	0.00026 U	mg/kg	0.0040	0.00026	1	06/20/17 10:20	06/20/17 19:32	1024-57-3	
Methoxychlor	0.0025 U	mg/kg	0.0040	0.0025	1	06/20/17 10:20	06/20/17 19:32	72-43-5	
Toxaphene	0.017 U	mg/kg	0.040	0.017	1	06/20/17 10:20	06/20/17 19:32	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	111	%	53-140		1	06/20/17 10:20	06/20/17 19:32	877-09-8	
Decachlorobiphenyl (S)	108	%	43-157		1	06/20/17 10:20	06/20/17 19:32	2051-24-3	
8151 Chlorinated Herbicides									
Analytical Method: EPA 8151 Preparation Method: EPA 8151									
2,4-D	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	94-75-7	
Dalapon	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	75-99-0	
2,4-DB	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	94-82-6	
Dicamba	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	1918-00-9	J(L2)
Dichloroprop	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	120-36-5	
Dinoseb	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	88-85-7	
MCPA	2.0 U	mg/kg	2.0	2.0	10	06/21/17 15:27	06/23/17 10:27	94-74-6	
MCPP	2.0 U	mg/kg	2.0	2.0	10	06/21/17 15:27	06/23/17 10:27	7085-19-0	
Pentachlorophenol	0.019 U	mg/kg	0.047	0.019	10	06/21/17 15:27	06/23/17 10:27	87-86-5	N2
2,4,5-T	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	93-76-5	
2,4,5-TP (Silvex)	0.020 U	mg/kg	0.020	0.020	10	06/21/17 15:27	06/23/17 10:27	93-72-1	
Surrogates									
2,4-DCAA (S)	44	%	10-188		10	06/21/17 15:27	06/23/17 10:52	19719-28-9	D3
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	5.2 U	mg/kg	8.2	5.2	1	06/20/17 11:00	06/21/17 20:38		
Surrogates									
o-Terphenyl (S)	89	%	62-109		1	06/20/17 11:00	06/21/17 20:38	84-15-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-10 (6"-2') **Lab ID: 35318696002** Collected: 06/15/17 12:04 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave Analytical Method: FL-PRO Preparation Method: EPA 3546									
Surrogates									
N-Pentatriacontane (S)	81	%	42-159		1	06/20/17 11:00	06/21/17 20:38	630-07-09	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.98	mg/kg	0.68	0.34	1	06/18/17 16:50	06/19/17 16:31	7440-38-2	
Barium	4.3	mg/kg	0.68	0.34	1	06/18/17 16:50	06/19/17 16:31	7440-39-3	
Cadmium	0.034 U	mg/kg	0.068	0.034	1	06/18/17 16:50	06/19/17 16:31	7440-43-9	
Chromium	7.0	mg/kg	0.34	0.17	1	06/18/17 16:50	06/19/17 16:31	7440-47-3	
Lead	5.4	mg/kg	0.68	0.34	1	06/18/17 16:50	06/19/17 16:31	7439-92-1	
Selenium	0.51 U	mg/kg	1.0	0.51	1	06/18/17 16:50	06/19/17 16:31	7782-49-2	
Silver	0.17 U	mg/kg	0.34	0.17	1	06/18/17 16:50	06/19/17 16:31	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.015	mg/kg	0.011	0.0056	1	06/20/17 09:23	06/20/17 14:40	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.015 U	mg/kg	0.040	0.015	1	06/20/17 09:40	06/23/17 08:48	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.040	0.012	1	06/20/17 09:40	06/23/17 08:48	208-96-8	
Anthracene	0.012 U	mg/kg	0.040	0.012	1	06/20/17 09:40	06/23/17 08:48	120-12-7	
Benzo(a)anthracene	0.012 U	mg/kg	0.040	0.012	1	06/20/17 09:40	06/23/17 08:48	56-55-3	
Benzo(a)pyrene	0.0047 U	mg/kg	0.040	0.0047	1	06/20/17 09:40	06/23/17 08:48	50-32-8	
Benzo(b)fluoranthene	0.030 U	mg/kg	0.040	0.030	1	06/20/17 09:40	06/23/17 08:48	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.040	0.014	1	06/20/17 09:40	06/23/17 08:48	191-24-2	
Benzo(k)fluoranthene	0.0086 U	mg/kg	0.040	0.0086	1	06/20/17 09:40	06/23/17 08:48	207-08-9	
Chrysene	0.014 U	mg/kg	0.040	0.014	1	06/20/17 09:40	06/23/17 08:48	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.040	0.020	1	06/20/17 09:40	06/23/17 08:48	53-70-3	
Fluoranthene	0.013 U	mg/kg	0.040	0.013	1	06/20/17 09:40	06/23/17 08:48	206-44-0	
Fluorene	0.018 U	mg/kg	0.040	0.018	1	06/20/17 09:40	06/23/17 08:48	86-73-7	
Indeno(1,2,3-cd)pyrene	0.020 U	mg/kg	0.040	0.020	1	06/20/17 09:40	06/23/17 08:48	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.040	0.014	1	06/20/17 09:40	06/23/17 08:48	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.040	0.016	1	06/20/17 09:40	06/23/17 08:48	91-57-6	
Naphthalene	0.013 U	mg/kg	0.040	0.013	1	06/20/17 09:40	06/23/17 08:48	91-20-3	
Phenanthrene	0.015 U	mg/kg	0.040	0.015	1	06/20/17 09:40	06/23/17 08:48	85-01-8	
Pyrene	0.020 U	mg/kg	0.040	0.020	1	06/20/17 09:40	06/23/17 08:48	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	16-123		1	06/20/17 09:40	06/23/17 08:48	4165-60-0	
2-Fluorobiphenyl (S)	69	%	32-129		1	06/20/17 09:40	06/23/17 08:48	321-60-8	
Terphenyl-d14 (S)	31	%	38-138		1	06/20/17 09:40	06/23/17 08:48	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/21/17 01:28	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/21/17 01:28	75-34-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-10 (6"-2') **Lab ID: 35318696002** Collected: 06/15/17 12:04 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1-Dichloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0060	0.0031	1		06/21/17 01:28	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	526-73-8	N2
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	120-82-1	
1,2,4-Trimethylbenzene	0.0033 U	mg/kg	0.0060	0.0033	1		06/21/17 01:28	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	95-50-1	
1,2-Dichloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	107-06-2	
1,2-Dichloroethene (Total)	0.0036 U	mg/kg	0.0060	0.0036	1		06/21/17 01:28	540-59-0	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	78-87-5	
1,3,5-Trimethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/21/17 01:28	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	541-73-1	
1,3-Dichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	142-28-9	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0060	0.0031	1		06/21/17 01:28	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	108-10-1	
Acetone	0.049	mg/kg	0.024	0.012	1		06/21/17 01:28	67-64-1	
Acetonitrile	0.030 U	mg/kg	0.060	0.030	1		06/21/17 01:28	75-05-8	
Benzene	0.0031 U	mg/kg	0.0060	0.0031	1		06/21/17 01:28	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	75-25-2	J(L2)
Bromomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	108-90-7	
Chloroethane	0.0043 U	mg/kg	0.0060	0.0043	1		06/21/17 01:28	75-00-3	
Chloroform	0.0035 U	mg/kg	0.0060	0.0035	1		06/21/17 01:28	67-66-3	
Chloromethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/21/17 01:28	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0060	0.0032	1		06/21/17 01:28	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/21/17 01:28	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0060	0.0035	1		06/21/17 01:28	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	75-09-2	
Styrene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-10 (6"-2') **Lab ID: 35318696002** Collected: 06/15/17 12:04 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0032 U	mg/kg	0.0060	0.0032	1		06/21/17 01:28	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0060	0.0034	1		06/21/17 01:28	79-01-6	
Trichlorofluoromethane	0.0032 U	mg/kg	0.0060	0.0032	1		06/21/17 01:28	75-69-4	
Vinyl acetate	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	108-05-4	
Vinyl chloride	0.0032 U	mg/kg	0.0060	0.0032	1		06/21/17 01:28	75-01-4	
Xylene (Total)	0.0061 U	mg/kg	0.018	0.0061	1		06/21/17 01:28	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	10061-01-5	
m&p-Xylene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 01:28	179601-23-1	
n-Butylbenzene	0.0036 U	mg/kg	0.0060	0.0036	1		06/21/17 01:28	104-51-8	
n-Propylbenzene	0.0031 U	mg/kg	0.0060	0.0031	1		06/21/17 01:28	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0060	0.0031	1		06/21/17 01:28	95-47-6	
p-Isopropyltoluene	0.0036 U	mg/kg	0.0060	0.0036	1		06/21/17 01:28	99-87-6	
sec-Butylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/21/17 01:28	135-98-8	
tert-Butylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/21/17 01:28	98-06-6	
trans-1,2-Dichloroethene	0.0036 U	mg/kg	0.0060	0.0036	1		06/21/17 01:28	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0060	0.0030	1		06/21/17 01:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/21/17 01:28	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/21/17 01:28	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 01:28	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.7	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 (0-6") **Lab ID: 35318696003** Collected: 06/15/17 10:57 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.4	mg/kg	0.64	0.32	1	06/18/17 16:50	06/19/17 16:35	7440-38-2	
Lead	13.6	mg/kg	0.64	0.32	1	06/18/17 16:50	06/19/17 16:35	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 09:10	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:10	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 09:10	120-12-7	
Benzo(a)anthracene	0.034 I	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 09:10	56-55-3	
Benzo(a)pyrene	0.045	mg/kg	0.037	0.0044	1	06/20/17 09:40	06/23/17 09:10	50-32-8	
Benzo(b)fluoranthene	0.058	mg/kg	0.037	0.028	1	06/20/17 09:40	06/23/17 09:10	205-99-2	
Benzo(g,h,i)perylene	0.035 I	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:10	191-24-2	
Benzo(k)fluoranthene	0.040	mg/kg	0.037	0.0081	1	06/20/17 09:40	06/23/17 09:10	207-08-9	
Chrysene	0.046	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:10	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:10	53-70-3	
Fluoranthene	0.064	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:10	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/20/17 09:40	06/23/17 09:10	86-73-7	
Indeno(1,2,3-cd)pyrene	0.027 I	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:10	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:10	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/20/17 09:40	06/23/17 09:10	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:10	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 09:10	85-01-8	
Pyrene	0.065	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	16-123		1	06/20/17 09:40	06/23/17 09:10	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	06/20/17 09:40	06/23/17 09:10	321-60-8	
Terphenyl-d14 (S)	53	%	38-138		1	06/20/17 09:40	06/23/17 09:10	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 01:51	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 01:51	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	120-82-1	
1,2,4-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	95-50-1	
1,2-Dichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	107-06-2	
1,2-Dichloroethene (Total)	0.0029 U	mg/kg	0.0047	0.0029	1		06/21/17 01:51	540-59-0	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	108-67-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 (0-6")** Lab ID: **35318696003** Collected: 06/15/17 10:57 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	541-73-1	
1,3-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 01:51	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	108-10-1	
Acetone	0.10	mg/kg	0.019	0.0095	1		06/21/17 01:51	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.047	0.024	1		06/21/17 01:51	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	75-25-2	J(L2)
Bromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0047	0.0034	1		06/21/17 01:51	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 01:51	67-66-3	
Chloromethane	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 01:51	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	74-88-4	
Isopropylbenzene (Cumene)	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 01:51	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	75-09-2	
Styrene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	127-18-4	
Toluene	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 01:51	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 01:51	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 01:51	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/21/17 01:51	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0095	0.0049	1		06/21/17 01:51	179601-23-1	
n-Butylbenzene	0.0029 U	mg/kg	0.0047	0.0029	1		06/21/17 01:51	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 01:51	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	95-47-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 (0-6") **Lab ID: 35318696003** Collected: 06/15/17 10:57 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0029 U	mg/kg	0.0047	0.0029	1		06/21/17 01:51	99-87-6	
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 01:51	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0047	0.0029	1		06/21/17 01:51	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 01:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/21/17 01:51	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/21/17 01:51	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 01:51	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.5	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 (6"-2') **Lab ID: 35318696004** Collected: 06/15/17 10:59 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.0	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 16:39	7440-38-2	
Lead	8.4	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 16:39	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 09:33	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:33	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 09:33	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 09:33	56-55-3	
Benzo(a)pyrene	0.0081 I	mg/kg	0.037	0.0044	1	06/20/17 09:40	06/23/17 09:33	50-32-8	
Benzo(b)fluoranthene	0.028 U	mg/kg	0.037	0.028	1	06/20/17 09:40	06/23/17 09:33	205-99-2	
Benzo(g,h,i)perylene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:33	191-24-2	
Benzo(k)fluoranthene	0.0081 U	mg/kg	0.037	0.0081	1	06/20/17 09:40	06/23/17 09:33	207-08-9	
Chrysene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:33	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:33	53-70-3	
Fluoranthene	0.018 I	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:33	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/20/17 09:40	06/23/17 09:33	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019 U	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:33	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:33	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/20/17 09:40	06/23/17 09:33	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:33	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 09:33	85-01-8	
Pyrene	0.019 U	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:33	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	44	%	16-123		1	06/20/17 09:40	06/23/17 09:33	4165-60-0	
2-Fluorobiphenyl (S)	62	%	32-129		1	06/20/17 09:40	06/23/17 09:33	321-60-8	
Terphenyl-d14 (S)	59	%	38-138		1	06/20/17 09:40	06/23/17 09:33	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 02:14	71-55-6	
1,1,2,2-Tetrachloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	79-34-5	
1,1,2-Trichloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	79-00-5	
1,1-Dichloroethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 02:14	75-34-3	
1,1-Dichloroethene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 02:14	563-58-6	
1,2,3-Trichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	87-61-6	
1,2,3-Trichloropropane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	96-18-4	
1,2,3-Trimethylbenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	526-73-8	N2
1,2,4-Trichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 02:14	95-63-6	
1,2-Dichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	95-50-1	
1,2-Dichloroethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	107-06-2	
1,2-Dichloroethene (Total)	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 02:14	540-59-0	
1,2-Dichloropropane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 02:14	108-67-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 (6"-2') Lab ID: 35318696004 Collected: 06/15/17 10:59 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	541-73-1	
1,3-Dichloropropane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	142-28-9	
1,4-Dichlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 02:14	594-20-7	
2-Butanone (MEK)	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	78-93-3	
2-Chlorotoluene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	95-49-8	
2-Hexanone	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	591-78-6	
4-Chlorotoluene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	108-10-1	
Acetone	0.35	mg/kg	0.019	0.0093	1		06/21/17 02:14	67-64-1	
Acetonitrile	0.023 U	mg/kg	0.047	0.023	1		06/21/17 02:14	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 02:14	71-43-2	
Bromobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	108-86-1	
Bromochloromethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	74-97-5	
Bromodichloromethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	75-27-4	
Bromoform	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	75-25-2	J(L2)
Bromomethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	74-83-9	
Carbon disulfide	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	75-15-0	
Carbon tetrachloride	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	56-23-5	
Chlorobenzene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	108-90-7	
Chloroethane	0.0033 U	mg/kg	0.0047	0.0033	1		06/21/17 02:14	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 02:14	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 02:14	74-87-3	
Dibromochloromethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	124-48-1	
Dibromomethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 02:14	75-71-8	
Ethylbenzene	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 02:14	100-41-4	
Iodomethane	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 02:14	98-82-8	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	1634-04-4	
Methylene Chloride	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	75-09-2	
Styrene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	100-42-5	
Tetrachloroethene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	127-18-4	
Toluene	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 02:14	108-88-3	
Trichloroethene	0.0026 U	mg/kg	0.0047	0.0026	1		06/21/17 02:14	79-01-6	
Trichlorofluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 02:14	75-69-4	
Vinyl acetate	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 02:14	75-01-4	
Xylene (Total)	0.0048 U	mg/kg	0.014	0.0048	1		06/21/17 02:14	1330-20-7	
cis-1,2-Dichloroethene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	156-59-2	
cis-1,3-Dichloropropene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	10061-01-5	
m&p-Xylene	0.0048 U	mg/kg	0.0093	0.0048	1		06/21/17 02:14	179601-23-1	
n-Butylbenzene	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 02:14	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/21/17 02:14	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/21/17 02:14	95-47-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 (6"-2') **Lab ID: 35318696004** Collected: 06/15/17 10:59 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 02:14	99-87-6	
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 02:14	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/21/17 02:14	98-06-6	
trans-1,2-Dichloroethene	0.0028 U	mg/kg	0.0047	0.0028	1		06/21/17 02:14	156-60-5	
trans-1,3-Dichloropropene	0.0023 U	mg/kg	0.0047	0.0023	1		06/21/17 02:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/21/17 02:14	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/21/17 02:14	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 02:14	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.3	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 E25 (0-6")** Lab ID: **35318696005** Collected: 06/15/17 10:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.8	mg/kg	0.53	0.26	1	06/18/17 16:50	06/19/17 16:43	7440-38-2	
Lead	13.6	mg/kg	0.53	0.26	1	06/18/17 16:50	06/19/17 16:43	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 09:55	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:55	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 09:55	120-12-7	
Benzo(a)anthracene	0.031 I	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 09:55	56-55-3	
Benzo(a)pyrene	0.038	mg/kg	0.037	0.0043	1	06/20/17 09:40	06/23/17 09:55	50-32-8	
Benzo(b)fluoranthene	0.049	mg/kg	0.037	0.028	1	06/20/17 09:40	06/23/17 09:55	205-99-2	
Benzo(g,h,i)perylene	0.038	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:55	191-24-2	
Benzo(k)fluoranthene	0.035 I	mg/kg	0.037	0.0080	1	06/20/17 09:40	06/23/17 09:55	207-08-9	
Chrysene	0.042	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:55	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:55	53-70-3	
Fluoranthene	0.056	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:55	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/20/17 09:40	06/23/17 09:55	86-73-7	
Indeno(1,2,3-cd)pyrene	0.025 I	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:55	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 09:55	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/20/17 09:40	06/23/17 09:55	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 09:55	91-20-3	
Phenanthrene	0.017 I	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 09:55	85-01-8	
Pyrene	0.055	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 09:55	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	46	%	16-123		1	06/20/17 09:40	06/23/17 09:55	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/20/17 09:40	06/23/17 09:55	321-60-8	
Terphenyl-d14 (S)	66	%	38-138		1	06/20/17 09:40	06/23/17 09:55	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	630-20-6	J(M1)
1,1,1-Trichloroethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/21/17 02:37	71-55-6	
1,1,2,2-Tetrachloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	79-34-5	J(M1)
1,1,2-Trichloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	79-00-5	J(M1)
1,1-Dichloroethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/21/17 02:37	75-34-3	
1,1-Dichloroethene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	75-35-4	
1,1-Dichloropropene	0.0030 U	mg/kg	0.0058	0.0030	1		06/21/17 02:37	563-58-6	
1,2,3-Trichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	87-61-6	J(M1)
1,2,3-Trichloropropane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	96-18-4	
1,2,3-Trimethylbenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	526-73-8	J(M1), N2
1,2,4-Trichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	120-82-1	J(M1)
1,2,4-Trimethylbenzene	0.0032 U	mg/kg	0.0058	0.0032	1		06/21/17 02:37	95-63-6	J(M1)
1,2-Dichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	95-50-1	J(M1)
1,2-Dichloroethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	107-06-2	
1,2-Dichloroethene (Total)	0.0035 U	mg/kg	0.0058	0.0035	1		06/21/17 02:37	540-59-0	
1,2-Dichloropropane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	78-87-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 E25 (0-6") **Lab ID: 35318696005** Collected: 06/15/17 10:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/21/17 02:37	108-67-8	J(M1)
1,3-Dichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	541-73-1	J(M1)
1,3-Dichloropropane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	142-28-9	J(M1)
1,4-Dichlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	106-46-7	J(M1)
2,2-Dichloropropane	0.0030 U	mg/kg	0.0058	0.0030	1		06/21/17 02:37	594-20-7	
2-Butanone (MEK)	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	78-93-3	
2-Chlorotoluene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	95-49-8	J(M1)
2-Hexanone	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	591-78-6	
4-Chlorotoluene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	106-43-4	J(M1)
4-Methyl-2-pentanone (MIBK)	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	108-10-1	
Acetone	0.18	mg/kg	0.023	0.012	1		06/21/17 02:37	67-64-1	
Acetonitrile	0.029 U	mg/kg	0.058	0.029	1		06/21/17 02:37	75-05-8	
Benzene	0.0030 U	mg/kg	0.0058	0.0030	1		06/21/17 02:37	71-43-2	
Bromobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	108-86-1	J(M1)
Bromochloromethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	74-97-5	
Bromodichloromethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	75-27-4	
Bromoform	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	75-25-2	J(L2), J(M0)
Bromomethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	74-83-9	
Carbon disulfide	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	75-15-0	
Carbon tetrachloride	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	56-23-5	
Chlorobenzene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	108-90-7	J(M1)
Chloroethane	0.0042 U	mg/kg	0.0058	0.0042	1		06/21/17 02:37	75-00-3	
Chloroform	0.0034 U	mg/kg	0.0058	0.0034	1		06/21/17 02:37	67-66-3	
Chloromethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/21/17 02:37	74-87-3	
Dibromochloromethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	124-48-1	
Dibromomethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	74-95-3	
Dichlorodifluoromethane	0.0031 U	mg/kg	0.0058	0.0031	1		06/21/17 02:37	75-71-8	J(M1)
Ethylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/21/17 02:37	100-41-4	J(M1)
Iodomethane	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	74-88-4	
Isopropylbenzene (Cumene)	0.0034 U	mg/kg	0.0058	0.0034	1		06/21/17 02:37	98-82-8	J(M1)
Methyl-tert-butyl ether	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	1634-04-4	
Methylene Chloride	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	75-09-2	
Styrene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	100-42-5	J(M1)
Tetrachloroethene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	127-18-4	
Toluene	0.0031 U	mg/kg	0.0058	0.0031	1		06/21/17 02:37	108-88-3	
Trichloroethene	0.0033 U	mg/kg	0.0058	0.0033	1		06/21/17 02:37	79-01-6	
Trichlorofluoromethane	0.0032 U	mg/kg	0.0058	0.0032	1		06/21/17 02:37	75-69-4	J(M1)
Vinyl acetate	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	108-05-4	
Vinyl chloride	0.0031 U	mg/kg	0.0058	0.0031	1		06/21/17 02:37	75-01-4	
Xylene (Total)	0.0060 U	mg/kg	0.017	0.0060	1		06/21/17 02:37	1330-20-7	MS
cis-1,2-Dichloroethene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	156-59-2	
cis-1,3-Dichloropropene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	10061-01-5	
m&p-Xylene	0.0060 U	mg/kg	0.012	0.0060	1		06/21/17 02:37	179601-23-1	J(M1)
n-Butylbenzene	0.0035 U	mg/kg	0.0058	0.0035	1		06/21/17 02:37	104-51-8	J(M1)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 E25 (0-6") **Lab ID: 35318696005** Collected: 06/15/17 10:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Propylbenzene	0.0031 U	mg/kg	0.0058	0.0031	1		06/21/17 02:37	103-65-1	J(M1)
o-Xylene	0.0030 U	mg/kg	0.0058	0.0030	1		06/21/17 02:37	95-47-6	J(M1)
p-Isopropyltoluene	0.0035 U	mg/kg	0.0058	0.0035	1		06/21/17 02:37	99-87-6	J(M1)
sec-Butylbenzene	0.0034 U	mg/kg	0.0058	0.0034	1		06/21/17 02:37	135-98-8	J(M1)
tert-Butylbenzene	0.0033 U	mg/kg	0.0058	0.0033	1		06/21/17 02:37	98-06-6	J(M1)
trans-1,2-Dichloroethene	0.0035 U	mg/kg	0.0058	0.0035	1		06/21/17 02:37	156-60-5	
trans-1,3-Dichloropropene	0.0029 U	mg/kg	0.0058	0.0029	1		06/21/17 02:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/21/17 02:37	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/21/17 02:37	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/21/17 02:37	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.5	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 E25 (6"-2')** Lab ID: **35318696006** Collected: 06/15/17 10:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.75 I	mg/kg	0.80	0.40	1	06/18/17 16:50	06/19/17 16:48	7440-38-2	
Lead	1.5	mg/kg	0.80	0.40	1	06/18/17 16:50	06/19/17 16:48	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.017 U	mg/kg	0.048	0.017	1	06/20/17 09:40	06/23/17 10:17	83-32-9	
Acenaphthylene	0.015 U	mg/kg	0.048	0.015	1	06/20/17 09:40	06/23/17 10:17	208-96-8	
Anthracene	0.015 U	mg/kg	0.048	0.015	1	06/20/17 09:40	06/23/17 10:17	120-12-7	
Benzo(a)anthracene	0.014 U	mg/kg	0.048	0.014	1	06/20/17 09:40	06/23/17 10:17	56-55-3	
Benzo(a)pyrene	0.0056 U	mg/kg	0.048	0.0056	1	06/20/17 09:40	06/23/17 10:17	50-32-8	
Benzo(b)fluoranthene	0.036 U	mg/kg	0.048	0.036	1	06/20/17 09:40	06/23/17 10:17	205-99-2	
Benzo(g,h,i)perylene	0.017 U	mg/kg	0.048	0.017	1	06/20/17 09:40	06/23/17 10:17	191-24-2	
Benzo(k)fluoranthene	0.010 U	mg/kg	0.048	0.010	1	06/20/17 09:40	06/23/17 10:17	207-08-9	
Chrysene	0.017 U	mg/kg	0.048	0.017	1	06/20/17 09:40	06/23/17 10:17	218-01-9	
Dibenz(a,h)anthracene	0.024 U	mg/kg	0.048	0.024	1	06/20/17 09:40	06/23/17 10:17	53-70-3	
Fluoranthene	0.016 U	mg/kg	0.048	0.016	1	06/20/17 09:40	06/23/17 10:17	206-44-0	
Fluorene	0.021 U	mg/kg	0.048	0.021	1	06/20/17 09:40	06/23/17 10:17	86-73-7	
Indeno(1,2,3-cd)pyrene	0.024 U	mg/kg	0.048	0.024	1	06/20/17 09:40	06/23/17 10:17	193-39-5	
1-Methylnaphthalene	0.017 U	mg/kg	0.048	0.017	1	06/20/17 09:40	06/23/17 10:17	90-12-0	
2-Methylnaphthalene	0.019 U	mg/kg	0.048	0.019	1	06/20/17 09:40	06/23/17 10:17	91-57-6	
Naphthalene	0.015 U	mg/kg	0.048	0.015	1	06/20/17 09:40	06/23/17 10:17	91-20-3	
Phenanthrene	0.018 U	mg/kg	0.048	0.018	1	06/20/17 09:40	06/23/17 10:17	85-01-8	
Pyrene	0.024 U	mg/kg	0.048	0.024	1	06/20/17 09:40	06/23/17 10:17	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	16-123		1	06/20/17 09:40	06/23/17 10:17	4165-60-0	
2-Fluorobiphenyl (S)	64	%	32-129		1	06/20/17 09:40	06/23/17 10:17	321-60-8	
Terphenyl-d14 (S)	33	%	38-138		1	06/20/17 09:40	06/23/17 10:17	1718-51-0	J(S0)
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	630-20-6	
1,1,1-Trichloroethane	0.0034 U	mg/kg	0.0061	0.0034	1		06/21/17 03:23	71-55-6	
1,1,2,2-Tetrachloroethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	79-34-5	
1,1,2-Trichloroethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/21/17 03:23	75-34-3	
1,1-Dichloroethene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	563-58-6	
1,2,3-Trichlorobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	87-61-6	
1,2,3-Trichloropropane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	96-18-4	
1,2,3-Trimethylbenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	526-73-8	N2
1,2,4-Trichlorobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	120-82-1	
1,2,4-Trimethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/21/17 03:23	95-63-6	
1,2-Dichlorobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	95-50-1	
1,2-Dichloroethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	107-06-2	
1,2-Dichloroethene (Total)	0.0037 U	mg/kg	0.0061	0.0037	1		06/21/17 03:23	540-59-0	
1,2-Dichloropropane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	78-87-5	
1,3,5-Trimethylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/21/17 03:23	108-67-8	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 E25 (6"-2')** Lab ID: **35318696006** Collected: 06/15/17 10:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	541-73-1	
1,3-Dichloropropane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	142-28-9	
1,4-Dichlorobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	106-46-7	
2,2-Dichloropropane	0.0032 U	mg/kg	0.0061	0.0032	1		06/21/17 03:23	594-20-7	
2-Butanone (MEK)	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	78-93-3	
2-Chlorotoluene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	95-49-8	
2-Hexanone	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	591-78-6	
4-Chlorotoluene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	108-10-1	
Acetone	0.24	mg/kg	0.024	0.012	1		06/21/17 03:23	67-64-1	
Acetonitrile	0.031 U	mg/kg	0.061	0.031	1		06/21/17 03:23	75-05-8	
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	71-43-2	
Bromobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	108-86-1	
Bromochloromethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	74-97-5	
Bromodichloromethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	75-27-4	
Bromoform	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	75-25-2	J(L2)
Bromomethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	74-83-9	
Carbon disulfide	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	75-15-0	
Carbon tetrachloride	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	56-23-5	
Chlorobenzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	108-90-7	
Chloroethane	0.0044 U	mg/kg	0.0061	0.0044	1		06/21/17 03:23	75-00-3	
Chloroform	0.0036 U	mg/kg	0.0061	0.0036	1		06/21/17 03:23	67-66-3	
Chloromethane	0.0034 U	mg/kg	0.0061	0.0034	1		06/21/17 03:23	74-87-3	
Dibromochloromethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	124-48-1	
Dibromomethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	74-95-3	
Dichlorodifluoromethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/21/17 03:23	75-71-8	
Ethylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/21/17 03:23	100-41-4	
Iodomethane	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0061	0.0035	1		06/21/17 03:23	98-82-8	
Methyl-tert-butyl ether	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	1634-04-4	
Methylene Chloride	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	75-09-2	
Styrene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	100-42-5	
Tetrachloroethene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	127-18-4	
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		06/21/17 03:23	108-88-3	
Trichloroethene	0.0035 U	mg/kg	0.0061	0.0035	1		06/21/17 03:23	79-01-6	
Trichlorofluoromethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/21/17 03:23	75-69-4	
Vinyl acetate	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	108-05-4	
Vinyl chloride	0.0033 U	mg/kg	0.0061	0.0033	1		06/21/17 03:23	75-01-4	
Xylene (Total)	0.0063 U	mg/kg	0.018	0.0063	1		06/21/17 03:23	1330-20-7	
cis-1,2-Dichloroethene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	156-59-2	
cis-1,3-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	10061-01-5	
m&p-Xylene	0.0063 U	mg/kg	0.012	0.0063	1		06/21/17 03:23	179601-23-1	
n-Butylbenzene	0.0037 U	mg/kg	0.0061	0.0037	1		06/21/17 03:23	104-51-8	
n-Propylbenzene	0.0032 U	mg/kg	0.0061	0.0032	1		06/21/17 03:23	103-65-1	
o-Xylene	0.0032 U	mg/kg	0.0061	0.0032	1		06/21/17 03:23	95-47-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 E25 (6"-2) **Lab ID: 35318696006** Collected: 06/15/17 10:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0037 U	mg/kg	0.0061	0.0037	1		06/21/17 03:23	99-87-6	
sec-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/21/17 03:23	135-98-8	
tert-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/21/17 03:23	98-06-6	
trans-1,2-Dichloroethene	0.0037 U	mg/kg	0.0061	0.0037	1		06/21/17 03:23	156-60-5	
trans-1,3-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 03:23	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		06/21/17 03:23	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/21/17 03:23	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/21/17 03:23	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	31.0	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 W25 (0-6")** Lab ID: **35318696007** Collected: 06/15/17 11:12 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.8	mg/kg	0.60	0.30	1	06/18/17 16:50	06/19/17 16:52	7440-38-2	
Lead	39.2	mg/kg	0.60	0.30	1	06/18/17 16:50	06/19/17 16:52	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/20/17 09:40	06/23/17 10:39	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.038	0.012	1	06/20/17 09:40	06/23/17 10:39	208-96-8	
Anthracene	0.049	mg/kg	0.038	0.012	1	06/20/17 09:40	06/23/17 10:39	120-12-7	
Benzo(a)anthracene	0.28	mg/kg	0.038	0.011	1	06/20/17 09:40	06/23/17 10:39	56-55-3	
Benzo(a)pyrene	0.39	mg/kg	0.038	0.0044	1	06/20/17 09:40	06/23/17 10:39	50-32-8	
Benzo(b)fluoranthene	0.76	mg/kg	0.038	0.028	1	06/20/17 09:40	06/23/17 10:39	205-99-2	
Benzo(g,h,i)perylene	0.29	mg/kg	0.038	0.014	1	06/20/17 09:40	06/23/17 10:39	191-24-2	
Benzo(k)fluoranthene	0.0082 U	mg/kg	0.038	0.0082	1	06/20/17 09:40	06/23/17 10:39	207-08-9	
Chrysene	0.46	mg/kg	0.038	0.013	1	06/20/17 09:40	06/23/17 10:39	218-01-9	
Dibenz(a,h)anthracene	0.068	mg/kg	0.038	0.019	1	06/20/17 09:40	06/23/17 10:39	53-70-3	
Fluoranthene	0.74	mg/kg	0.038	0.012	1	06/20/17 09:40	06/23/17 10:39	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/20/17 09:40	06/23/17 10:39	86-73-7	
Indeno(1,2,3-cd)pyrene	0.25	mg/kg	0.038	0.019	1	06/20/17 09:40	06/23/17 10:39	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.038	0.013	1	06/20/17 09:40	06/23/17 10:39	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.038	0.015	1	06/20/17 09:40	06/23/17 10:39	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/20/17 09:40	06/23/17 10:39	91-20-3	
Phenanthrene	0.19	mg/kg	0.038	0.014	1	06/20/17 09:40	06/23/17 10:39	85-01-8	
Pyrene	0.66	mg/kg	0.038	0.019	1	06/20/17 09:40	06/23/17 10:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	16-123		1	06/20/17 09:40	06/23/17 10:39	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/20/17 09:40	06/23/17 10:39	321-60-8	
Terphenyl-d14 (S)	64	%	38-138		1	06/20/17 09:40	06/23/17 10:39	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/21/17 03:46	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/21/17 03:46	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	75-35-4	
1,1-Dichloropropene	0.0033 U	mg/kg	0.0065	0.0033	1		06/21/17 03:46	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	120-82-1	
1,2,4-Trimethylbenzene	0.0036 U	mg/kg	0.0065	0.0036	1		06/21/17 03:46	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	95-50-1	
1,2-Dichloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	107-06-2	
1,2-Dichloroethene (Total)	0.0039 U	mg/kg	0.0065	0.0039	1		06/21/17 03:46	540-59-0	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	78-87-5	
1,3,5-Trimethylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/21/17 03:46	108-67-8	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 W25 (0-6") **Lab ID: 35318696007** Collected: 06/15/17 11:12 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	541-73-1	
1,3-Dichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0065	0.0033	1		06/21/17 03:46	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	108-10-1	
Acetone	0.25	mg/kg	0.026	0.013	1		06/21/17 03:46	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.065	0.032	1		06/21/17 03:46	75-05-8	
Benzene	0.0033 U	mg/kg	0.0065	0.0033	1		06/21/17 03:46	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	75-25-2	J(L2)
Bromomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	108-90-7	
Chloroethane	0.0046 U	mg/kg	0.0065	0.0046	1		06/21/17 03:46	75-00-3	
Chloroform	0.0038 U	mg/kg	0.0065	0.0038	1		06/21/17 03:46	67-66-3	
Chloromethane	0.0036 U	mg/kg	0.0065	0.0036	1		06/21/17 03:46	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0065	0.0034	1		06/21/17 03:46	75-71-8	
Ethylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/21/17 03:46	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0065	0.0037	1		06/21/17 03:46	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	75-09-2	
Styrene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	127-18-4	
Toluene	0.0035 U	mg/kg	0.0065	0.0035	1		06/21/17 03:46	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0065	0.0036	1		06/21/17 03:46	79-01-6	
Trichlorofluoromethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/21/17 03:46	75-69-4	
Vinyl acetate	0.0033 U	mg/kg	0.0065	0.0033	1		06/21/17 03:46	108-05-4	
Vinyl chloride	0.0035 U	mg/kg	0.0065	0.0035	1		06/21/17 03:46	75-01-4	
Xylene (Total)	0.0066 U	mg/kg	0.019	0.0066	1		06/21/17 03:46	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	10061-01-5	
m&p-Xylene	0.0066 U	mg/kg	0.013	0.0066	1		06/21/17 03:46	179601-23-1	
n-Butylbenzene	0.0039 U	mg/kg	0.0065	0.0039	1		06/21/17 03:46	104-51-8	
n-Propylbenzene	0.0034 U	mg/kg	0.0065	0.0034	1		06/21/17 03:46	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0065	0.0033	1		06/21/17 03:46	95-47-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 W25 (0-6") **Lab ID: 35318696007** Collected: 06/15/17 11:12 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0039 U	mg/kg	0.0065	0.0039	1		06/21/17 03:46	99-87-6	
sec-Butylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/21/17 03:46	135-98-8	
tert-Butylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/21/17 03:46	98-06-6	
trans-1,2-Dichloroethene	0.0039 U	mg/kg	0.0065	0.0039	1		06/21/17 03:46	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0065	0.0032	1		06/21/17 03:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/21/17 03:46	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/21/17 03:46	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/21/17 03:46	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.8	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 W25 (6"-2')** Lab ID: **35318696008** Collected: 06/15/17 11:14 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.59 I	mg/kg	0.67	0.33	1	06/18/17 16:50	06/19/17 17:04	7440-38-2	
Lead	1.8	mg/kg	0.67	0.33	1	06/18/17 16:50	06/19/17 17:04	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:01	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/20/17 09:40	06/23/17 11:01	208-96-8	
Anthracene	0.011 U	mg/kg	0.036	0.011	1	06/20/17 09:40	06/23/17 11:01	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.036	0.010	1	06/20/17 09:40	06/23/17 11:01	56-55-3	
Benzo(a)pyrene	0.0075 I	mg/kg	0.036	0.0042	1	06/20/17 09:40	06/23/17 11:01	50-32-8	
Benzo(b)fluoranthene	0.027 U	mg/kg	0.036	0.027	1	06/20/17 09:40	06/23/17 11:01	205-99-2	
Benzo(g,h,i)perylene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:01	191-24-2	
Benzo(k)fluoranthene	0.0077 U	mg/kg	0.036	0.0077	1	06/20/17 09:40	06/23/17 11:01	207-08-9	
Chrysene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:01	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/20/17 09:40	06/23/17 11:01	53-70-3	
Fluoranthene	0.012 U	mg/kg	0.036	0.012	1	06/20/17 09:40	06/23/17 11:01	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/20/17 09:40	06/23/17 11:01	86-73-7	
Indeno(1,2,3-cd)pyrene	0.018 U	mg/kg	0.036	0.018	1	06/20/17 09:40	06/23/17 11:01	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:01	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.036	0.014	1	06/20/17 09:40	06/23/17 11:01	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/20/17 09:40	06/23/17 11:01	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:01	85-01-8	
Pyrene	0.018 U	mg/kg	0.036	0.018	1	06/20/17 09:40	06/23/17 11:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	63	%	16-123		1	06/20/17 09:40	06/23/17 11:01	4165-60-0	
2-Fluorobiphenyl (S)	84	%	32-129		1	06/20/17 09:40	06/23/17 11:01	321-60-8	
Terphenyl-d14 (S)	80	%	38-138		1	06/20/17 09:40	06/23/17 11:01	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:32	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:32	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:32	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:32	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	107-06-2	
1,2-Dichloroethene (Total)	0.0032 U	mg/kg	0.0052	0.0032	1		06/21/17 04:32	540-59-0	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:32	108-67-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-11 W25 (6"-2')** Lab ID: **35318696008** Collected: 06/15/17 11:14 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:32	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	108-10-1	
Acetone	0.13	mg/kg	0.021	0.010	1		06/21/17 04:32	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/21/17 04:32	75-05-8	
Benzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:32	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/21/17 04:32	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/21/17 04:32	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:32	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:32	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:32	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:32	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:32	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:32	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:32	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:32	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/21/17 04:32	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.010	0.0054	1		06/21/17 04:32	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/21/17 04:32	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:32	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:32	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-11 W25 (6"-2') **Lab ID: 35318696008** Collected: 06/15/17 11:14 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/21/17 04:32	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:32	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:32	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/21/17 04:32	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/21/17 04:32	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/21/17 04:32	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 04:32	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.6	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-12 E25 (0-6")** Lab ID: **35318696009** Collected: 06/15/17 14:32 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	9.4	mg/kg	0.55	0.28	1	06/18/17 16:50	06/19/17 17:08	7440-38-2	
Lead	24.0	mg/kg	0.55	0.28	1	06/18/17 16:50	06/19/17 17:08	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.014	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 01:32	7440-38-2	Q
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 11:24	83-32-9	
Acenaphthylene	0.042	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 11:24	208-96-8	
Anthracene	0.033 I	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 11:24	120-12-7	
Benzo(a)anthracene	0.15	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 11:24	56-55-3	
Benzo(a)pyrene	0.21	mg/kg	0.037	0.0043	1	06/20/17 09:40	06/23/17 11:24	50-32-8	
Benzo(b)fluoranthene	0.34	mg/kg	0.037	0.028	1	06/20/17 09:40	06/23/17 11:24	205-99-2	
Benzo(g,h,i)perylene	0.19	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 11:24	191-24-2	
Benzo(k)fluoranthene	0.19	mg/kg	0.037	0.0079	1	06/20/17 09:40	06/23/17 11:24	207-08-9	
Chrysene	0.23	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 11:24	218-01-9	
Dibenz(a,h)anthracene	0.034 I	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 11:24	53-70-3	
Fluoranthene	0.30	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 11:24	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/20/17 09:40	06/23/17 11:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.14	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 11:24	193-39-5	
1-Methylnaphthalene	0.023 I	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 11:24	90-12-0	
2-Methylnaphthalene	0.023 I	mg/kg	0.037	0.015	1	06/20/17 09:40	06/23/17 11:24	91-57-6	
Naphthalene	0.019 I	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 11:24	91-20-3	
Phenanthrene	0.070	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 11:24	85-01-8	
Pyrene	0.31	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 11:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	16-123		1	06/20/17 09:40	06/23/17 11:24	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/20/17 09:40	06/23/17 11:24	321-60-8	
Terphenyl-d14 (S)	76	%	38-138		1	06/20/17 09:40	06/23/17 11:24	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:56	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:56	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:56	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-12 E25 (0-6")** Lab ID: **35318696009** Collected: 06/15/17 14:32 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	107-06-2	
1,2-Dichloroethene (Total)	0.0032 U	mg/kg	0.0052	0.0032	1		06/21/17 04:56	540-59-0	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:56	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:56	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	108-10-1	
Acetone	0.26	mg/kg	0.021	0.010	1		06/21/17 04:56	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/21/17 04:56	75-05-8	
Benzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/21/17 04:56	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/21/17 04:56	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:56	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:56	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:56	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:56	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:56	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/21/17 04:56	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:56	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/21/17 04:56	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.016	0.0053	1		06/21/17 04:56	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	10061-01-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 E25 (0-6") **Lab ID: 35318696009** Collected: 06/15/17 14:32 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/21/17 04:56	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/21/17 04:56	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:56	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/21/17 04:56	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/21/17 04:56	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:56	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/21/17 04:56	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/21/17 04:56	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/21/17 04:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/21/17 04:56	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-131		1		06/21/17 04:56	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 04:56	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.3	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 E25 (6"-2') **Lab ID: 35318696010** Collected: 06/15/17 14:34 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	23.3	mg/kg	0.61	0.31	1	06/18/17 16:50	06/19/17 17:22	7440-38-2	
Lead	4.1	mg/kg	0.61	0.31	1	06/18/17 16:50	06/19/17 17:22	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.038	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 01:42	7440-38-2	Q
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:46	83-32-9	
Acenaphthylene	0.022 I	mg/kg	0.036	0.011	1	06/20/17 09:40	06/23/17 11:46	208-96-8	
Anthracene	0.011 I	mg/kg	0.036	0.011	1	06/20/17 09:40	06/23/17 11:46	120-12-7	
Benzo(a)anthracene	0.046	mg/kg	0.036	0.010	1	06/20/17 09:40	06/23/17 11:46	56-55-3	
Benzo(a)pyrene	0.063	mg/kg	0.036	0.0042	1	06/20/17 09:40	06/23/17 11:46	50-32-8	
Benzo(b)fluoranthene	0.12	mg/kg	0.036	0.027	1	06/20/17 09:40	06/23/17 11:46	205-99-2	
Benzo(g,h,i)perylene	0.044	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:46	191-24-2	
Benzo(k)fluoranthene	0.0078 U	mg/kg	0.036	0.0078	1	06/20/17 09:40	06/23/17 11:46	207-08-9	
Chrysene	0.061	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:46	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/20/17 09:40	06/23/17 11:46	53-70-3	
Fluoranthene	0.064	mg/kg	0.036	0.012	1	06/20/17 09:40	06/23/17 11:46	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/20/17 09:40	06/23/17 11:46	86-73-7	
Indeno(1,2,3-cd)pyrene	0.038	mg/kg	0.036	0.018	1	06/20/17 09:40	06/23/17 11:46	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 09:40	06/23/17 11:46	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/20/17 09:40	06/23/17 11:46	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/20/17 09:40	06/23/17 11:46	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.036	0.014	1	06/20/17 09:40	06/23/17 11:46	85-01-8	
Pyrene	0.072	mg/kg	0.036	0.018	1	06/20/17 09:40	06/23/17 11:46	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	16-123		1	06/20/17 09:40	06/23/17 11:46	4165-60-0	
2-Fluorobiphenyl (S)	81	%	32-129		1	06/20/17 09:40	06/23/17 11:46	321-60-8	
Terphenyl-d14 (S)	73	%	38-138		1	06/20/17 09:40	06/23/17 11:46	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/21/17 05:19	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/21/17 05:19	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/21/17 05:19	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 E25 (6"-2') **Lab ID: 35318696010** Collected: 06/15/17 14:34 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	107-06-2	
1,2-Dichloroethene (Total)	0.0031 U	mg/kg	0.0051	0.0031	1		06/21/17 05:19	540-59-0	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/21/17 05:19	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0051	0.0027	1		06/21/17 05:19	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	108-10-1	
Acetone	0.050	mg/kg	0.020	0.010	1		06/21/17 05:19	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.051	0.026	1		06/21/17 05:19	75-05-8	
Benzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0051	0.0037	1		06/21/17 05:19	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0051	0.0030	1		06/21/17 05:19	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0051	0.0029	1		06/21/17 05:19	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0051	0.0027	1		06/21/17 05:19	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/21/17 05:19	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0051	0.0030	1		06/21/17 05:19	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	75-09-2	
Styrene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	127-18-4	
Toluene	0.0028 U	mg/kg	0.0051	0.0028	1		06/21/17 05:19	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0051	0.0029	1		06/21/17 05:19	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/21/17 05:19	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0051	0.0028	1		06/21/17 05:19	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.015	0.0053	1		06/21/17 05:19	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	10061-01-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 E25 (6"-2') **Lab ID: 35318696010** Collected: 06/15/17 14:34 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/21/17 05:19	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0051	0.0031	1		06/21/17 05:19	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0051	0.0027	1		06/21/17 05:19	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0051	0.0031	1		06/21/17 05:19	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/21/17 05:19	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/21/17 05:19	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0051	0.0031	1		06/21/17 05:19	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/21/17 05:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/21/17 05:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/21/17 05:19	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/21/17 05:19	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.6	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 W25 (0-6") **Lab ID: 35318696011** Collected: 06/15/17 14:07 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.6	mg/kg	0.60	0.30	1	06/20/17 06:01	06/20/17 16:15	7440-38-2	
Lead	38.3	mg/kg	0.60	0.30	1	06/20/17 06:01	06/20/17 16:15	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.022	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 01:57	7440-38-2	Q
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/20/17 09:40	06/23/17 12:08	83-32-9	
Acenaphthylene	0.020 I	mg/kg	0.039	0.012	1	06/20/17 09:40	06/23/17 12:08	208-96-8	
Anthracene	0.015 I	mg/kg	0.039	0.012	1	06/20/17 09:40	06/23/17 12:08	120-12-7	
Benzo(a)anthracene	0.068	mg/kg	0.039	0.011	1	06/20/17 09:40	06/23/17 12:08	56-55-3	
Benzo(a)pyrene	0.12	mg/kg	0.039	0.0046	1	06/20/17 09:40	06/23/17 12:08	50-32-8	
Benzo(b)fluoranthene	0.17	mg/kg	0.039	0.030	1	06/20/17 09:40	06/23/17 12:08	205-99-2	
Benzo(g,h,i)perylene	0.082	mg/kg	0.039	0.014	1	06/20/17 09:40	06/23/17 12:08	191-24-2	
Benzo(k)fluoranthene	0.085	mg/kg	0.039	0.0085	1	06/20/17 09:40	06/23/17 12:08	207-08-9	
Chrysene	0.11	mg/kg	0.039	0.014	1	06/20/17 09:40	06/23/17 12:08	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.039	0.020	1	06/20/17 09:40	06/23/17 12:08	53-70-3	
Fluoranthene	0.16	mg/kg	0.039	0.013	1	06/20/17 09:40	06/23/17 12:08	206-44-0	
Fluorene	0.018 U	mg/kg	0.039	0.018	1	06/20/17 09:40	06/23/17 12:08	86-73-7	
Indeno(1,2,3-cd)pyrene	0.069	mg/kg	0.039	0.020	1	06/20/17 09:40	06/23/17 12:08	193-39-5	
1-Methylnaphthalene	0.020 I	mg/kg	0.039	0.014	1	06/20/17 09:40	06/23/17 12:08	90-12-0	
2-Methylnaphthalene	0.019 I	mg/kg	0.039	0.016	1	06/20/17 09:40	06/23/17 12:08	91-57-6	
Naphthalene	0.017 I	mg/kg	0.039	0.013	1	06/20/17 09:40	06/23/17 12:08	91-20-3	
Phenanthrene	0.044	mg/kg	0.039	0.015	1	06/20/17 09:40	06/23/17 12:08	85-01-8	
Pyrene	0.15	mg/kg	0.039	0.020	1	06/20/17 09:40	06/23/17 12:08	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	16-123		1	06/20/17 09:40	06/23/17 12:08	4165-60-0	
2-Fluorobiphenyl (S)	76	%	32-129		1	06/20/17 09:40	06/23/17 12:08	321-60-8	
Terphenyl-d14 (S)	63	%	38-138		1	06/20/17 09:40	06/23/17 12:08	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 05:42	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 05:42	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 05:42	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 05:42	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 W25 (0-6") **Lab ID: 35318696011** Collected: 06/15/17 14:07 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	107-06-2	
1,2-Dichloroethene (Total)	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 05:42	540-59-0	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 05:42	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 05:42	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	108-10-1	
Acetone	0.21	mg/kg	0.021	0.011	1		06/21/17 05:42	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.053	0.026	1		06/21/17 05:42	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 05:42	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/21/17 05:42	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 05:42	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 05:42	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 05:42	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 05:42	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 05:42	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	75-09-2	
Styrene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	127-18-4	
Toluene	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 05:42	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 05:42	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 05:42	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 05:42	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 05:42	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/21/17 05:42	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 W25 (0-6") **Lab ID: 35318696011** Collected: 06/15/17 14:07 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0054 U	mg/kg	0.011	0.0054	1		06/21/17 05:42	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 05:42	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 05:42	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 05:42	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 05:42	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 05:42	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 05:42	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 05:42	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/21/17 05:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/21/17 05:42	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/21/17 05:42	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 05:42	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.3	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-12 W25 (6"-2')** Lab ID: **35318696012** Collected: 06/15/17 14:09 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	76.1	mg/kg	0.58	0.29	1	06/20/17 06:01	06/20/17 16:19	7440-38-2	
Lead	3.0	mg/kg	0.58	0.29	1	06/20/17 06:01	06/20/17 16:19	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.095	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 02:02	7440-38-2	Q
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/20/17 09:40	06/23/17 12:30	83-32-9	
Acenaphthylene	0.021 I	mg/kg	0.035	0.011	1	06/20/17 09:40	06/23/17 12:30	208-96-8	
Anthracene	0.013 I	mg/kg	0.035	0.011	1	06/20/17 09:40	06/23/17 12:30	120-12-7	
Benzo(a)anthracene	0.017 I	mg/kg	0.035	0.010	1	06/20/17 09:40	06/23/17 12:30	56-55-3	
Benzo(a)pyrene	0.046	mg/kg	0.035	0.0041	1	06/20/17 09:40	06/23/17 12:30	50-32-8	
Benzo(b)fluoranthene	0.075	mg/kg	0.035	0.027	1	06/20/17 09:40	06/23/17 12:30	205-99-2	
Benzo(g,h,i)perylene	0.042	mg/kg	0.035	0.013	1	06/20/17 09:40	06/23/17 12:30	191-24-2	
Benzo(k)fluoranthene	0.043	mg/kg	0.035	0.0077	1	06/20/17 09:40	06/23/17 12:30	207-08-9	
Chrysene	0.043	mg/kg	0.035	0.013	1	06/20/17 09:40	06/23/17 12:30	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.035	0.018	1	06/20/17 09:40	06/23/17 12:30	53-70-3	
Fluoranthene	0.025 I	mg/kg	0.035	0.012	1	06/20/17 09:40	06/23/17 12:30	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/20/17 09:40	06/23/17 12:30	86-73-7	
Indeno(1,2,3-cd)pyrene	0.031 I	mg/kg	0.035	0.018	1	06/20/17 09:40	06/23/17 12:30	193-39-5	
1-Methylnaphthalene	0.030 I	mg/kg	0.035	0.013	1	06/20/17 09:40	06/23/17 12:30	90-12-0	
2-Methylnaphthalene	0.036	mg/kg	0.035	0.014	1	06/20/17 09:40	06/23/17 12:30	91-57-6	
Naphthalene	0.019 I	mg/kg	0.035	0.011	1	06/20/17 09:40	06/23/17 12:30	91-20-3	
Phenanthrene	0.023 I	mg/kg	0.035	0.013	1	06/20/17 09:40	06/23/17 12:30	85-01-8	
Pyrene	0.038	mg/kg	0.035	0.018	1	06/20/17 09:40	06/23/17 12:30	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	16-123		1	06/20/17 09:40	06/23/17 12:30	4165-60-0	
2-Fluorobiphenyl (S)	82	%	32-129		1	06/20/17 09:40	06/23/17 12:30	321-60-8	
Terphenyl-d14 (S)	78	%	38-138		1	06/20/17 09:40	06/23/17 12:30	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 06:05	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 06:05	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 06:05	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 W25 (6"-2') **Lab ID: 35318696012** Collected: 06/15/17 14:09 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	107-06-2	
1,2-Dichloroethene (Total)	0.0033 U	mg/kg	0.0053	0.0033	1		06/21/17 06:05	540-59-0	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 06:05	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 06:05	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	108-10-1	
Acetone	0.22	mg/kg	0.021	0.011	1		06/21/17 06:05	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.053	0.027	1		06/21/17 06:05	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	75-25-2	J(L2)
Bromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/21/17 06:05	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 06:05	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 06:05	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 06:05	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 06:05	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 06:05	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	75-09-2	
Styrene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	127-18-4	
Toluene	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 06:05	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 06:05	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 06:05	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 06:05	75-01-4	
Xylene (Total)	0.0055 U	mg/kg	0.016	0.0055	1		06/21/17 06:05	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	10061-01-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-12 W25 (6"-2') **Lab ID: 35318696012** Collected: 06/15/17 14:09 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0055 U	mg/kg	0.011	0.0055	1		06/21/17 06:05	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 06:05	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 06:05	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 06:05	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 06:05	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 06:05	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 06:05	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0053	0.0033	1		06/21/17 06:05	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 06:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/21/17 06:05	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-131		1		06/21/17 06:05	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 06:05	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.8	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-13 (0-6") **Lab ID: 35318696013** Collected: 06/15/17 15:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	6.8 U	mg/kg	10.6	6.8	1	06/20/17 11:00	06/21/17 20:38		
Surrogates									
o-Terphenyl (S)	114	%	62-109		1	06/20/17 11:00	06/21/17 20:38	84-15-1	S3
N-Pentatriacontane (S)	61	%	42-159		1	06/20/17 11:00	06/21/17 20:38	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.2	mg/kg	0.97	0.48	1	06/20/17 06:01	06/20/17 16:23	7440-38-2	
Barium	11.7	mg/kg	0.97	0.48	1	06/20/17 06:01	06/20/17 16:23	7440-39-3	
Cadmium	0.12	mg/kg	0.097	0.048	1	06/20/17 06:01	06/20/17 16:23	7440-43-9	
Chromium	8.5	mg/kg	0.48	0.24	1	06/20/17 06:01	06/20/17 16:23	7440-47-3	
Lead	8.3	mg/kg	0.97	0.48	1	06/20/17 06:01	06/20/17 16:23	7439-92-1	
Selenium	0.72 U	mg/kg	1.4	0.72	1	06/20/17 06:01	06/20/17 16:23	7782-49-2	
Silver	0.24 U	mg/kg	0.48	0.24	1	06/20/17 06:01	06/20/17 16:23	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.028	mg/kg	0.015	0.0075	1	06/20/17 09:23	06/20/17 14:43	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.020 U	mg/kg	0.053	0.020	1	06/20/17 09:40	06/23/17 13:17	83-32-9	
Acenaphthylene	0.017 U	mg/kg	0.053	0.017	1	06/20/17 09:40	06/23/17 13:17	208-96-8	
Anthracene	0.028 I	mg/kg	0.053	0.016	1	06/20/17 09:40	06/23/17 13:17	120-12-7	
Benzo(a)anthracene	0.11	mg/kg	0.053	0.015	1	06/20/17 09:40	06/23/17 13:17	56-55-3	
Benzo(a)pyrene	0.082	mg/kg	0.053	0.0062	1	06/20/17 09:40	06/23/17 13:17	50-32-8	
Benzo(b)fluoranthene	0.13	mg/kg	0.053	0.040	1	06/20/17 09:40	06/23/17 13:17	205-99-2	
Benzo(g,h,i)perylene	0.074	mg/kg	0.053	0.019	1	06/20/17 09:40	06/23/17 13:17	191-24-2	
Benzo(k)fluoranthene	0.065	mg/kg	0.053	0.012	1	06/20/17 09:40	06/23/17 13:17	207-08-9	
Chrysene	0.061	mg/kg	0.053	0.019	1	06/20/17 09:40	06/23/17 13:17	218-01-9	
Dibenz(a,h)anthracene	0.027 U	mg/kg	0.053	0.027	1	06/20/17 09:40	06/23/17 13:17	53-70-3	
Fluoranthene	0.15	mg/kg	0.053	0.017	1	06/20/17 09:40	06/23/17 13:17	206-44-0	
Fluorene	0.024 U	mg/kg	0.053	0.024	1	06/20/17 09:40	06/23/17 13:17	86-73-7	
Indeno(1,2,3-cd)pyrene	0.056	mg/kg	0.053	0.027	1	06/20/17 09:40	06/23/17 13:17	193-39-5	
1-Methylnaphthalene	0.019 U	mg/kg	0.053	0.019	1	06/20/17 09:40	06/23/17 13:17	90-12-0	
2-Methylnaphthalene	0.022 U	mg/kg	0.053	0.022	1	06/20/17 09:40	06/23/17 13:17	91-57-6	
Naphthalene	0.017 U	mg/kg	0.053	0.017	1	06/20/17 09:40	06/23/17 13:17	91-20-3	
Phenanthrene	0.13	mg/kg	0.053	0.020	1	06/20/17 09:40	06/23/17 13:17	85-01-8	
Pyrene	0.12	mg/kg	0.053	0.027	1	06/20/17 09:40	06/23/17 13:17	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	16-123		1	06/20/17 09:40	06/23/17 13:17	4165-60-0	
2-Fluorobiphenyl (S)	40	%	32-129		1	06/20/17 09:40	06/23/17 13:17	321-60-8	
Terphenyl-d14 (S)	48	%	38-138		1	06/20/17 09:40	06/23/17 13:17	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
Benzene	0.0036 U	mg/kg	0.0070	0.0036	1		06/21/17 06:28	71-43-2	
Ethylbenzene	0.0039 U	mg/kg	0.0070	0.0039	1		06/21/17 06:28	100-41-4	
Methyl-tert-butyl ether	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 06:28	1634-04-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-13 (0-6") **Lab ID: 35318696013** Collected: 06/15/17 15:37 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0038 U	mg/kg	0.0070	0.0038	1		06/21/17 06:28	108-88-3	
Xylene (Total)	0.0072 U	mg/kg	0.021	0.0072	1		06/21/17 06:28	1330-20-7	
m&p-Xylene	0.0072 U	mg/kg	0.014	0.0072	1		06/21/17 06:28	179601-23-1	
o-Xylene	0.0036 U	mg/kg	0.0070	0.0036	1		06/21/17 06:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/21/17 06:28	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-131		1		06/21/17 06:28	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 06:28	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	38.1	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-13 (6"-2') **Lab ID: 35318696014** Collected: 06/15/17 15:39 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	20.4	mg/kg	9.1	5.8	1	06/20/17 11:00	06/21/17 21:03		
Surrogates									
o-Terphenyl (S)	99	%	62-109		1	06/20/17 11:00	06/21/17 21:03	84-15-1	
N-Pentatriacontane (S)	77	%	42-159		1	06/20/17 11:00	06/21/17 21:03	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.7 U	mg/kg	3.3	1.7	5	06/20/17 06:01	06/21/17 03:04	7440-38-2	D3
Barium	10.6	mg/kg	0.66	0.33	1	06/20/17 06:01	06/20/17 16:27	7440-39-3	
Cadmium	0.17 U	mg/kg	0.33	0.17	5	06/20/17 06:01	06/21/17 03:04	7440-43-9	D3
Chromium	3.9	mg/kg	0.33	0.17	1	06/20/17 06:01	06/20/17 16:27	7440-47-3	
Lead	1.7 U	mg/kg	3.3	1.7	5	06/20/17 06:01	06/21/17 03:04	7439-92-1	D3
Selenium	0.50 U	mg/kg	1.0	0.50	1	06/20/17 06:01	06/20/17 16:27	7782-49-2	
Silver	0.83 U	mg/kg	1.7	0.83	5	06/20/17 06:01	06/21/17 03:04	7440-22-4	D3
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.039	mg/kg	0.011	0.0055	1	06/20/17 09:23	06/20/17 14:45	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.10	mg/kg	0.046	0.017	1	06/20/17 09:40	06/23/17 13:40	83-32-9	
Acenaphthylene	0.028 I	mg/kg	0.046	0.014	1	06/20/17 09:40	06/23/17 13:40	208-96-8	
Anthracene	0.21	mg/kg	0.046	0.014	1	06/20/17 09:40	06/23/17 13:40	120-12-7	
Benzo(a)anthracene	0.62	mg/kg	0.046	0.013	1	06/20/17 09:40	06/23/17 13:40	56-55-3	
Benzo(a)pyrene	0.54	mg/kg	0.046	0.0054	1	06/20/17 09:40	06/23/17 13:40	50-32-8	
Benzo(b)fluoranthene	0.72	mg/kg	0.046	0.035	1	06/20/17 09:40	06/23/17 13:40	205-99-2	
Benzo(g,h,i)perylene	0.43	mg/kg	0.046	0.017	1	06/20/17 09:40	06/23/17 13:40	191-24-2	
Benzo(k)fluoranthene	0.30	mg/kg	0.046	0.0099	1	06/20/17 09:40	06/23/17 13:40	207-08-9	
Chrysene	0.54	mg/kg	0.046	0.016	1	06/20/17 09:40	06/23/17 13:40	218-01-9	
Dibenz(a,h)anthracene	0.13	mg/kg	0.046	0.023	1	06/20/17 09:40	06/23/17 13:40	53-70-3	
Fluoranthene	0.96	mg/kg	0.046	0.015	1	06/20/17 09:40	06/23/17 13:40	206-44-0	
Fluorene	0.077	mg/kg	0.046	0.021	1	06/20/17 09:40	06/23/17 13:40	86-73-7	
Indeno(1,2,3-cd)pyrene	0.36	mg/kg	0.046	0.023	1	06/20/17 09:40	06/23/17 13:40	193-39-5	
1-Methylnaphthalene	0.019 I	mg/kg	0.046	0.016	1	06/20/17 09:40	06/23/17 13:40	90-12-0	
2-Methylnaphthalene	0.019 I	mg/kg	0.046	0.019	1	06/20/17 09:40	06/23/17 13:40	91-57-6	
Naphthalene	0.026 I	mg/kg	0.046	0.015	1	06/20/17 09:40	06/23/17 13:40	91-20-3	
Phenanthrene	0.90	mg/kg	0.046	0.017	1	06/20/17 09:40	06/23/17 13:40	85-01-8	
Pyrene	0.86	mg/kg	0.046	0.023	1	06/20/17 09:40	06/23/17 13:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	87	%	16-123		1	06/20/17 09:40	06/23/17 13:40	4165-60-0	
2-Fluorobiphenyl (S)	95	%	32-129		1	06/20/17 09:40	06/23/17 13:40	321-60-8	
Terphenyl-d14 (S)	42	%	38-138		1	06/20/17 09:40	06/23/17 13:40	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 06:51	71-43-2	
Ethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/21/17 06:51	100-41-4	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0061	0.0030	1		06/21/17 06:51	1634-04-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-13 (6"-2') **Lab ID: 35318696014** Collected: 06/15/17 15:39 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		06/21/17 06:51	108-88-3	
Xylene (Total)	0.0063 U	mg/kg	0.018	0.0063	1		06/21/17 06:51	1330-20-7	
m&p-Xylene	0.0063 U	mg/kg	0.012	0.0063	1		06/21/17 06:51	179601-23-1	
o-Xylene	0.0031 U	mg/kg	0.0061	0.0031	1		06/21/17 06:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/21/17 06:51	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/21/17 06:51	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/21/17 06:51	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	28.0	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 E25 (0-6') **Lab ID: 35318696015** Collected: 06/15/17 16:07 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.4	mg/kg	1.2	0.60	2	06/20/17 06:01	06/20/17 16:32	7440-38-2	
Lead	100	mg/kg	1.2	0.60	2	06/20/17 06:01	06/20/17 16:32	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 U	mg/kg	0.045	0.016	1	06/20/17 09:40	06/23/17 14:03	83-32-9	
Acenaphthylene	0.014 U	mg/kg	0.045	0.014	1	06/20/17 09:40	06/23/17 14:03	208-96-8	
Anthracene	0.017 I	mg/kg	0.045	0.014	1	06/20/17 09:40	06/23/17 14:03	120-12-7	
Benzo(a)anthracene	0.12	mg/kg	0.045	0.013	1	06/20/17 09:40	06/23/17 14:03	56-55-3	
Benzo(a)pyrene	0.14	mg/kg	0.045	0.0053	1	06/20/17 09:40	06/23/17 14:03	50-32-8	
Benzo(b)fluoranthene	0.22	mg/kg	0.045	0.034	1	06/20/17 09:40	06/23/17 14:03	205-99-2	
Benzo(g,h,i)perylene	0.15	mg/kg	0.045	0.016	1	06/20/17 09:40	06/23/17 14:03	191-24-2	
Benzo(k)fluoranthene	0.13	mg/kg	0.045	0.0097	1	06/20/17 09:40	06/23/17 14:03	207-08-9	
Chrysene	0.15	mg/kg	0.045	0.016	1	06/20/17 09:40	06/23/17 14:03	218-01-9	
Dibenz(a,h)anthracene	0.051	mg/kg	0.045	0.023	1	06/20/17 09:40	06/23/17 14:03	53-70-3	
Fluoranthene	0.18	mg/kg	0.045	0.015	1	06/20/17 09:40	06/23/17 14:03	206-44-0	
Fluorene	0.020 U	mg/kg	0.045	0.020	1	06/20/17 09:40	06/23/17 14:03	86-73-7	
Indeno(1,2,3-cd)pyrene	0.12	mg/kg	0.045	0.023	1	06/20/17 09:40	06/23/17 14:03	193-39-5	
1-Methylnaphthalene	0.016 U	mg/kg	0.045	0.016	1	06/20/17 09:40	06/23/17 14:03	90-12-0	
2-Methylnaphthalene	0.018 U	mg/kg	0.045	0.018	1	06/20/17 09:40	06/23/17 14:03	91-57-6	
Naphthalene	0.015 U	mg/kg	0.045	0.015	1	06/20/17 09:40	06/23/17 14:03	91-20-3	
Phenanthrene	0.046	mg/kg	0.045	0.017	1	06/20/17 09:40	06/23/17 14:03	85-01-8	
Pyrene	0.15	mg/kg	0.045	0.023	1	06/20/17 09:40	06/23/17 14:03	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	16-123		1	06/20/17 09:40	06/23/17 14:03	4165-60-0	
2-Fluorobiphenyl (S)	56	%	32-129		1	06/20/17 09:40	06/23/17 14:03	321-60-8	
Terphenyl-d14 (S)	39	%	38-138		1	06/20/17 09:40	06/23/17 14:03	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	630-20-6	
1,1,1-Trichloroethane	0.0039 U	mg/kg	0.0070	0.0039	1		06/21/17 07:14	71-55-6	
1,1,2,2-Tetrachloroethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	79-34-5	
1,1,2-Trichloroethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	79-00-5	
1,1-Dichloroethane	0.0038 U	mg/kg	0.0070	0.0038	1		06/21/17 07:14	75-34-3	
1,1-Dichloroethene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	75-35-4	
1,1-Dichloropropene	0.0036 U	mg/kg	0.0070	0.0036	1		06/21/17 07:14	563-58-6	
1,2,3-Trichlorobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	87-61-6	
1,2,3-Trichloropropane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	96-18-4	
1,2,3-Trimethylbenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	526-73-8	N2
1,2,4-Trichlorobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	120-82-1	
1,2,4-Trimethylbenzene	0.0039 U	mg/kg	0.0070	0.0039	1		06/21/17 07:14	95-63-6	
1,2-Dichlorobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	95-50-1	
1,2-Dichloroethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	107-06-2	
1,2-Dichloroethene (Total)	0.0043 U	mg/kg	0.0070	0.0043	1		06/21/17 07:14	540-59-0	
1,2-Dichloropropane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	78-87-5	
1,3,5-Trimethylbenzene	0.0041 U	mg/kg	0.0070	0.0041	1		06/21/17 07:14	108-67-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-14 E25 (0-6')** Lab ID: **35318696015** Collected: 06/15/17 16:07 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	541-73-1	
1,3-Dichloropropane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	142-28-9	
1,4-Dichlorobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	106-46-7	
2,2-Dichloropropane	0.0036 U	mg/kg	0.0070	0.0036	1		06/21/17 07:14	594-20-7	
2-Butanone (MEK)	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	78-93-3	
2-Chlorotoluene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	95-49-8	
2-Hexanone	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	591-78-6	
4-Chlorotoluene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	108-10-1	
Acetone	0.10	mg/kg	0.028	0.014	1		06/21/17 07:14	67-64-1	
Acetonitrile	0.035 U	mg/kg	0.070	0.035	1		06/21/17 07:14	75-05-8	
Benzene	0.0036 U	mg/kg	0.0070	0.0036	1		06/21/17 07:14	71-43-2	
Bromobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	108-86-1	
Bromochloromethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	74-97-5	
Bromodichloromethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	75-27-4	
Bromoform	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	75-25-2	J(L2)
Bromomethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	74-83-9	
Carbon disulfide	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	75-15-0	
Carbon tetrachloride	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	56-23-5	
Chlorobenzene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	108-90-7	
Chloroethane	0.0050 U	mg/kg	0.0070	0.0050	1		06/21/17 07:14	75-00-3	
Chloroform	0.0042 U	mg/kg	0.0070	0.0042	1		06/21/17 07:14	67-66-3	
Chloromethane	0.0039 U	mg/kg	0.0070	0.0039	1		06/21/17 07:14	74-87-3	
Dibromochloromethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	124-48-1	
Dibromomethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	74-95-3	
Dichlorodifluoromethane	0.0037 U	mg/kg	0.0070	0.0037	1		06/21/17 07:14	75-71-8	
Ethylbenzene	0.0040 U	mg/kg	0.0070	0.0040	1		06/21/17 07:14	100-41-4	
Iodomethane	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	74-88-4	
Isopropylbenzene (Cumene)	0.0041 U	mg/kg	0.0070	0.0041	1		06/21/17 07:14	98-82-8	
Methyl-tert-butyl ether	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	1634-04-4	
Methylene Chloride	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	75-09-2	
Styrene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	100-42-5	
Tetrachloroethene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	127-18-4	
Toluene	0.0038 U	mg/kg	0.0070	0.0038	1		06/21/17 07:14	108-88-3	
Trichloroethene	0.0040 U	mg/kg	0.0070	0.0040	1		06/21/17 07:14	79-01-6	
Trichlorofluoromethane	0.0038 U	mg/kg	0.0070	0.0038	1		06/21/17 07:14	75-69-4	
Vinyl acetate	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	108-05-4	
Vinyl chloride	0.0038 U	mg/kg	0.0070	0.0038	1		06/21/17 07:14	75-01-4	
Xylene (Total)	0.0072 U	mg/kg	0.021	0.0072	1		06/21/17 07:14	1330-20-7	
cis-1,2-Dichloroethene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	156-59-2	
cis-1,3-Dichloropropene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	10061-01-5	
m&p-Xylene	0.0072 U	mg/kg	0.014	0.0072	1		06/21/17 07:14	179601-23-1	
n-Butylbenzene	0.0042 U	mg/kg	0.0070	0.0042	1		06/21/17 07:14	104-51-8	
n-Propylbenzene	0.0037 U	mg/kg	0.0070	0.0037	1		06/21/17 07:14	103-65-1	
o-Xylene	0.0036 U	mg/kg	0.0070	0.0036	1		06/21/17 07:14	95-47-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 E25 (0-6') **Lab ID: 35318696015** Collected: 06/15/17 16:07 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0042 U	mg/kg	0.0070	0.0042	1		06/21/17 07:14	99-87-6	
sec-Butylbenzene	0.0041 U	mg/kg	0.0070	0.0041	1		06/21/17 07:14	135-98-8	
tert-Butylbenzene	0.0041 U	mg/kg	0.0070	0.0041	1		06/21/17 07:14	98-06-6	
trans-1,2-Dichloroethene	0.0043 U	mg/kg	0.0070	0.0043	1		06/21/17 07:14	156-60-5	
trans-1,3-Dichloropropene	0.0035 U	mg/kg	0.0070	0.0035	1		06/21/17 07:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/21/17 07:14	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/21/17 07:14	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/21/17 07:14	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	26.7	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 E25 (6"-2') **Lab ID: 35318696016** Collected: 06/15/17 16:09 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	56.8	mg/kg	0.76	0.38	1	06/20/17 06:01	06/20/17 16:36	7440-38-2	
Lead	533	mg/kg	0.76	0.38	1	06/20/17 06:01	06/20/17 16:36	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.020	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 02:07	7440-38-2	Q
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 07/14/17 18:47									
Lead	0.34	mg/L	0.050	0.025	1	07/16/17 00:00	07/18/17 13:25	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.019 U	mg/kg	0.052	0.019	1	06/20/17 09:40	06/23/17 12:53	83-32-9	
Acenaphthylene	0.68	mg/kg	0.052	0.016	1	06/20/17 09:40	06/23/17 12:53	208-96-8	
Anthracene	0.28	mg/kg	0.052	0.016	1	06/20/17 09:40	06/23/17 12:53	120-12-7	
Benzo(a)anthracene	1.5	mg/kg	0.052	0.015	1	06/20/17 09:40	06/23/17 12:53	56-55-3	
Benzo(a)pyrene	2.0	mg/kg	0.052	0.0061	1	06/20/17 09:40	06/23/17 12:53	50-32-8	
Benzo(b)fluoranthene	2.8	mg/kg	0.052	0.039	1	06/20/17 09:40	06/23/17 12:53	205-99-2	
Benzo(g,h,i)perylene	1.3	mg/kg	0.052	0.019	1	06/20/17 09:40	06/23/17 12:53	191-24-2	
Benzo(k)fluoranthene	1.9	mg/kg	0.052	0.011	1	06/20/17 09:40	06/23/17 12:53	207-08-9	
Chrysene	1.9	mg/kg	0.052	0.019	1	06/20/17 09:40	06/23/17 12:53	218-01-9	
Dibenz(a,h)anthracene	0.33	mg/kg	0.052	0.026	1	06/20/17 09:40	06/23/17 12:53	53-70-3	
Fluoranthene	2.2	mg/kg	0.052	0.017	1	06/20/17 09:40	06/23/17 12:53	206-44-0	
Fluorene	0.023 U	mg/kg	0.052	0.023	1	06/20/17 09:40	06/23/17 12:53	86-73-7	
Indeno(1,2,3-cd)pyrene	1.1	mg/kg	0.052	0.026	1	06/20/17 09:40	06/23/17 12:53	193-39-5	
1-Methylnaphthalene	0.046 I	mg/kg	0.052	0.018	1	06/20/17 09:40	06/23/17 12:53	90-12-0	
2-Methylnaphthalene	0.046 I	mg/kg	0.052	0.021	1	06/20/17 09:40	06/23/17 12:53	91-57-6	
Naphthalene	0.052 I	mg/kg	0.052	0.017	1	06/20/17 09:40	06/23/17 12:53	91-20-3	
Phenanthrene	0.13	mg/kg	0.052	0.020	1	06/20/17 09:40	06/23/17 12:53	85-01-8	
Pyrene	2.8	mg/kg	0.052	0.026	1	06/20/17 09:40	06/23/17 12:53	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	16-123		1	06/20/17 09:40	06/23/17 12:53	4165-60-0	
2-Fluorobiphenyl (S)	47	%	32-129		1	06/20/17 09:40	06/23/17 12:53	321-60-8	
Terphenyl-d14 (S)	23	%	38-138		1	06/20/17 09:40	06/23/17 12:53	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	630-20-6	
1,1,1-Trichloroethane	0.0043 U	mg/kg	0.0079	0.0043	1		06/21/17 07:37	71-55-6	
1,1,2,2-Tetrachloroethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	79-34-5	
1,1,2-Trichloroethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	79-00-5	
1,1-Dichloroethane	0.0043 U	mg/kg	0.0079	0.0043	1		06/21/17 07:37	75-34-3	
1,1-Dichloroethene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	75-35-4	
1,1-Dichloropropene	0.0041 U	mg/kg	0.0079	0.0041	1		06/21/17 07:37	563-58-6	
1,2,3-Trichlorobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	87-61-6	
1,2,3-Trichloropropane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	96-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 E25 (6"-2') **Lab ID: 35318696016** Collected: 06/15/17 16:09 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,3-Trimethylbenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	526-73-8	N2
1,2,4-Trichlorobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	120-82-1	
1,2,4-Trimethylbenzene	0.0044 U	mg/kg	0.0079	0.0044	1		06/21/17 07:37	95-63-6	
1,2-Dichlorobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	95-50-1	
1,2-Dichloroethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	107-06-2	
1,2-Dichloroethene (Total)	0.0048 U	mg/kg	0.0079	0.0048	1		06/21/17 07:37	540-59-0	
1,2-Dichloropropane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	78-87-5	
1,3,5-Trimethylbenzene	0.0046 U	mg/kg	0.0079	0.0046	1		06/21/17 07:37	108-67-8	
1,3-Dichlorobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	541-73-1	
1,3-Dichloropropane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	142-28-9	
1,4-Dichlorobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	106-46-7	
2,2-Dichloropropane	0.0041 U	mg/kg	0.0079	0.0041	1		06/21/17 07:37	594-20-7	
2-Butanone (MEK)	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	78-93-3	
2-Chlorotoluene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	95-49-8	
2-Hexanone	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	591-78-6	
4-Chlorotoluene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	108-10-1	
Acetone	0.30	mg/kg	0.032	0.016	1		06/21/17 07:37	67-64-1	
Acetonitrile	0.040 U	mg/kg	0.079	0.040	1		06/21/17 07:37	75-05-8	
Benzene	0.0041 U	mg/kg	0.0079	0.0041	1		06/21/17 07:37	71-43-2	
Bromobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	108-86-1	
Bromochloromethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	74-97-5	
Bromodichloromethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	75-27-4	
Bromoform	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	75-25-2	J(L2)
Bromomethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	74-83-9	
Carbon disulfide	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	75-15-0	
Carbon tetrachloride	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	56-23-5	
Chlorobenzene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	108-90-7	
Chloroethane	0.0057 U	mg/kg	0.0079	0.0057	1		06/21/17 07:37	75-00-3	
Chloroform	0.0047 U	mg/kg	0.0079	0.0047	1		06/21/17 07:37	67-66-3	
Chloromethane	0.0044 U	mg/kg	0.0079	0.0044	1		06/21/17 07:37	74-87-3	
Dibromochloromethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	124-48-1	
Dibromomethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	74-95-3	
Dichlorodifluoromethane	0.0042 U	mg/kg	0.0079	0.0042	1		06/21/17 07:37	75-71-8	
Ethylbenzene	0.0045 U	mg/kg	0.0079	0.0045	1		06/21/17 07:37	100-41-4	
Iodomethane	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	74-88-4	
Isopropylbenzene (Cumene)	0.0046 U	mg/kg	0.0079	0.0046	1		06/21/17 07:37	98-82-8	
Methyl-tert-butyl ether	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	1634-04-4	
Methylene Chloride	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	75-09-2	
Styrene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	100-42-5	
Tetrachloroethene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	127-18-4	
Toluene	0.0043 U	mg/kg	0.0079	0.0043	1		06/21/17 07:37	108-88-3	
Trichloroethene	0.0045 U	mg/kg	0.0079	0.0045	1		06/21/17 07:37	79-01-6	
Trichlorofluoromethane	0.0043 U	mg/kg	0.0079	0.0043	1		06/21/17 07:37	75-69-4	
Vinyl acetate	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	108-05-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 E25 (6"-2') **Lab ID: 35318696016** Collected: 06/15/17 16:09 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Vinyl chloride	0.0043 U	mg/kg	0.0079	0.0043	1		06/21/17 07:37	75-01-4	
Xylene (Total)	0.0082 U	mg/kg	0.024	0.0082	1		06/21/17 07:37	1330-20-7	
cis-1,2-Dichloroethene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	156-59-2	
cis-1,3-Dichloropropene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	10061-01-5	
m&p-Xylene	0.0082 U	mg/kg	0.016	0.0082	1		06/21/17 07:37	179601-23-1	
n-Butylbenzene	0.0048 U	mg/kg	0.0079	0.0048	1		06/21/17 07:37	104-51-8	
n-Propylbenzene	0.0042 U	mg/kg	0.0079	0.0042	1		06/21/17 07:37	103-65-1	
o-Xylene	0.0041 U	mg/kg	0.0079	0.0041	1		06/21/17 07:37	95-47-6	
p-Isopropyltoluene	0.0048 U	mg/kg	0.0079	0.0048	1		06/21/17 07:37	99-87-6	
sec-Butylbenzene	0.0046 U	mg/kg	0.0079	0.0046	1		06/21/17 07:37	135-98-8	
tert-Butylbenzene	0.0046 U	mg/kg	0.0079	0.0046	1		06/21/17 07:37	98-06-6	
trans-1,2-Dichloroethene	0.0048 U	mg/kg	0.0079	0.0048	1		06/21/17 07:37	156-60-5	
trans-1,3-Dichloropropene	0.0040 U	mg/kg	0.0079	0.0040	1		06/21/17 07:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/21/17 07:37	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/21/17 07:37	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/21/17 07:37	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	36.7	%	0.10	0.10	1		06/22/17 14:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-14 W25 (0-6")** Lab ID: **35318696017** Collected: 06/15/17 16:17 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	0.74	mg/kg	0.61	0.30	1	06/22/17 10:58	06/22/17 21:22	7440-38-2	
Lead	13.9	mg/kg	0.61	0.30	1	06/22/17 10:58	06/22/17 21:22	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 13:15	83-32-9	
Acenaphthylene	0.019 I	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 13:15	208-96-8	
Anthracene	0.015 I	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 13:15	120-12-7	
Benzo(a)anthracene	0.045	mg/kg	0.037	0.011	1	06/20/17 09:40	06/23/17 13:15	56-55-3	
Benzo(a)pyrene	0.060	mg/kg	0.037	0.0043	1	06/20/17 09:40	06/23/17 13:15	50-32-8	
Benzo(b)fluoranthene	0.087	mg/kg	0.037	0.028	1	06/20/17 09:40	06/23/17 13:15	205-99-2	
Benzo(g,h,i)perylene	0.038	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 13:15	191-24-2	
Benzo(k)fluoranthene	0.052	mg/kg	0.037	0.0080	1	06/20/17 09:40	06/23/17 13:15	207-08-9	
Chrysene	0.063	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 13:15	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 13:15	53-70-3	
Fluoranthene	0.071	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 13:15	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/20/17 09:40	06/23/17 13:15	86-73-7	
Indeno(1,2,3-cd)pyrene	0.031 I	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 13:15	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/20/17 09:40	06/23/17 13:15	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/20/17 09:40	06/23/17 13:15	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/20/17 09:40	06/23/17 13:15	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.037	0.014	1	06/20/17 09:40	06/23/17 13:15	85-01-8	
Pyrene	0.081	mg/kg	0.037	0.019	1	06/20/17 09:40	06/23/17 13:15	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	46	%	16-123		1	06/20/17 09:40	06/23/17 13:15	4165-60-0	
2-Fluorobiphenyl (S)	64	%	32-129		1	06/20/17 09:40	06/23/17 13:15	321-60-8	
Terphenyl-d14 (S)	60	%	38-138		1	06/20/17 09:40	06/23/17 13:15	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 08:00	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 08:00	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 08:00	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	95-50-1	
1,2-Dichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	107-06-2	
1,2-Dichloroethene (Total)	0.0033 U	mg/kg	0.0053	0.0033	1		06/21/17 08:00	540-59-0	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 08:00	108-67-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-14 W25 (0-6")** Lab ID: **35318696017** Collected: 06/15/17 16:17 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 08:00	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	108-10-1	
Acetone	0.12	mg/kg	0.021	0.011	1		06/21/17 08:00	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.053	0.027	1		06/21/17 08:00	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	75-25-2	J(L2)
Bromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/21/17 08:00	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 08:00	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 08:00	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 08:00	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 08:00	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 08:00	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	75-09-2	
Styrene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	127-18-4	
Toluene	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 08:00	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/21/17 08:00	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 08:00	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0053	0.0029	1		06/21/17 08:00	75-01-4	
Xylene (Total)	0.0055 U	mg/kg	0.016	0.0055	1		06/21/17 08:00	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	10061-01-5	
m&p-Xylene	0.0055 U	mg/kg	0.011	0.0055	1		06/21/17 08:00	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 08:00	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 08:00	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0053	0.0028	1		06/21/17 08:00	95-47-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 W25 (0-6") **Lab ID: 35318696017** Collected: 06/15/17 16:17 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/21/17 08:00	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 08:00	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/21/17 08:00	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0053	0.0033	1		06/21/17 08:00	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/21/17 08:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/21/17 08:00	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-131		1		06/21/17 08:00	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/21/17 08:00	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.4	%	0.10	0.10	1		06/22/17 14:00		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 W25 (6-2') **Lab ID: 35318696018** Collected: 06/15/17 16:19 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.1 U	mg/kg	6.2	3.1	5	06/22/17 10:58	06/23/17 02:42	7440-38-2	
Lead	5.5 I	mg/kg	6.2	3.1	5	06/22/17 10:58	06/23/17 02:42	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.029 U	mg/kg	0.080	0.029	1	06/20/17 09:40	06/23/17 13:37	83-32-9	
Acenaphthylene	0.025 U	mg/kg	0.080	0.025	1	06/20/17 09:40	06/23/17 13:37	208-96-8	
Anthracene	0.024 U	mg/kg	0.080	0.024	1	06/20/17 09:40	06/23/17 13:37	120-12-7	
Benzo(a)anthracene	0.023 U	mg/kg	0.080	0.023	1	06/20/17 09:40	06/23/17 13:37	56-55-3	
Benzo(a)pyrene	0.0094 U	mg/kg	0.080	0.0094	1	06/20/17 09:40	06/23/17 13:37	50-32-8	
Benzo(b)fluoranthene	0.060 U	mg/kg	0.080	0.060	1	06/20/17 09:40	06/23/17 13:37	205-99-2	
Benzo(g,h,i)perylene	0.029 U	mg/kg	0.080	0.029	1	06/20/17 09:40	06/23/17 13:37	191-24-2	
Benzo(k)fluoranthene	0.017 U	mg/kg	0.080	0.017	1	06/20/17 09:40	06/23/17 13:37	207-08-9	
Chrysene	0.029 U	mg/kg	0.080	0.029	1	06/20/17 09:40	06/23/17 13:37	218-01-9	
Dibenz(a,h)anthracene	0.040 U	mg/kg	0.080	0.040	1	06/20/17 09:40	06/23/17 13:37	53-70-3	
Fluoranthene	0.026 U	mg/kg	0.080	0.026	1	06/20/17 09:40	06/23/17 13:37	206-44-0	
Fluorene	0.036 U	mg/kg	0.080	0.036	1	06/20/17 09:40	06/23/17 13:37	86-73-7	
Indeno(1,2,3-cd)pyrene	0.040 U	mg/kg	0.080	0.040	1	06/20/17 09:40	06/23/17 13:37	193-39-5	
1-Methylnaphthalene	0.028 U	mg/kg	0.080	0.028	1	06/20/17 09:40	06/23/17 13:37	90-12-0	
2-Methylnaphthalene	0.032 U	mg/kg	0.080	0.032	1	06/20/17 09:40	06/23/17 13:37	91-57-6	
Naphthalene	0.026 U	mg/kg	0.080	0.026	1	06/20/17 09:40	06/23/17 13:37	91-20-3	
Phenanthrene	0.030 U	mg/kg	0.080	0.030	1	06/20/17 09:40	06/23/17 13:37	85-01-8	
Pyrene	0.040 U	mg/kg	0.080	0.040	1	06/20/17 09:40	06/23/17 13:37	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	55	%	16-123		1	06/20/17 09:40	06/23/17 13:37	4165-60-0	
2-Fluorobiphenyl (S)	76	%	32-129		1	06/20/17 09:40	06/23/17 13:37	321-60-8	
Terphenyl-d14 (S)	37	%	38-138		1	06/20/17 09:40	06/23/17 13:37	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	630-20-6	
1,1,1-Trichloroethane	0.0067 U	mg/kg	0.012	0.0067	1		06/21/17 08:24	71-55-6	
1,1,2,2-Tetrachloroethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	79-34-5	
1,1,2-Trichloroethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	79-00-5	
1,1-Dichloroethane	0.0067 U	mg/kg	0.012	0.0067	1		06/21/17 08:24	75-34-3	
1,1-Dichloroethene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	75-35-4	
1,1-Dichloropropene	0.0063 U	mg/kg	0.012	0.0063	1		06/21/17 08:24	563-58-6	
1,2,3-Trichlorobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	87-61-6	
1,2,3-Trichloropropane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	96-18-4	
1,2,3-Trimethylbenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	526-73-8	N2
1,2,4-Trichlorobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	120-82-1	
1,2,4-Trimethylbenzene	0.0069 U	mg/kg	0.012	0.0069	1		06/21/17 08:24	95-63-6	
1,2-Dichlorobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	95-50-1	
1,2-Dichloroethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	107-06-2	
1,2-Dichloroethene (Total)	0.0075 U	mg/kg	0.012	0.0075	1		06/21/17 08:24	540-59-0	
1,2-Dichloropropane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	78-87-5	
1,3,5-Trimethylbenzene	0.0070 U	mg/kg	0.012	0.0070	1		06/21/17 08:24	108-67-8	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: **SB-14 W25 (6-2')** Lab ID: **35318696018** Collected: 06/15/17 16:19 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	541-73-1	
1,3-Dichloropropane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	142-28-9	
1,4-Dichlorobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	106-46-7	
2,2-Dichloropropane	0.0063 U	mg/kg	0.012	0.0063	1		06/21/17 08:24	594-20-7	
2-Butanone (MEK)	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	78-93-3	
2-Chlorotoluene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	95-49-8	
2-Hexanone	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	591-78-6	
4-Chlorotoluene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	108-10-1	
Acetone	0.23	mg/kg	0.049	0.024	1		06/21/17 08:24	67-64-1	
Acetonitrile	0.061 U	mg/kg	0.12	0.061	1		06/21/17 08:24	75-05-8	
Benzene	0.0063 U	mg/kg	0.012	0.0063	1		06/21/17 08:24	71-43-2	
Bromobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	108-86-1	
Bromochloromethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	74-97-5	
Bromodichloromethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	75-27-4	
Bromoform	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	75-25-2	J(L2)
Bromomethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	74-83-9	
Carbon disulfide	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	75-15-0	
Carbon tetrachloride	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	56-23-5	
Chlorobenzene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	108-90-7	
Chloroethane	0.0088 U	mg/kg	0.012	0.0088	1		06/21/17 08:24	75-00-3	
Chloroform	0.0072 U	mg/kg	0.012	0.0072	1		06/21/17 08:24	67-66-3	
Chloromethane	0.0069 U	mg/kg	0.012	0.0069	1		06/21/17 08:24	74-87-3	
Dibromochloromethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	124-48-1	
Dibromomethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	74-95-3	
Dichlorodifluoromethane	0.0065 U	mg/kg	0.012	0.0065	1		06/21/17 08:24	75-71-8	
Ethylbenzene	0.0069 U	mg/kg	0.012	0.0069	1		06/21/17 08:24	100-41-4	
Iodomethane	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	74-88-4	
Isopropylbenzene (Cumene)	0.0071 U	mg/kg	0.012	0.0071	1		06/21/17 08:24	98-82-8	
Methyl-tert-butyl ether	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	1634-04-4	
Methylene Chloride	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	75-09-2	
Styrene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	100-42-5	
Tetrachloroethene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	127-18-4	
Toluene	0.0066 U	mg/kg	0.012	0.0066	1		06/21/17 08:24	108-88-3	
Trichloroethene	0.0069 U	mg/kg	0.012	0.0069	1		06/21/17 08:24	79-01-6	
Trichlorofluoromethane	0.0067 U	mg/kg	0.012	0.0067	1		06/21/17 08:24	75-69-4	
Vinyl acetate	0.0062 U	mg/kg	0.012	0.0062	1		06/21/17 08:24	108-05-4	
Vinyl chloride	0.0066 U	mg/kg	0.012	0.0066	1		06/21/17 08:24	75-01-4	
Xylene (Total)	0.013 U	mg/kg	0.037	0.013	1		06/21/17 08:24	1330-20-7	
cis-1,2-Dichloroethene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	156-59-2	
cis-1,3-Dichloropropene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	10061-01-5	
m&p-Xylene	0.013 U	mg/kg	0.024	0.013	1		06/21/17 08:24	179601-23-1	
n-Butylbenzene	0.0074 U	mg/kg	0.012	0.0074	1		06/21/17 08:24	104-51-8	
n-Propylbenzene	0.0065 U	mg/kg	0.012	0.0065	1		06/21/17 08:24	103-65-1	
o-Xylene	0.0063 U	mg/kg	0.012	0.0063	1		06/21/17 08:24	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

Sample: SB-14 W25 (6-2') **Lab ID: 35318696018** Collected: 06/15/17 16:19 Received: 06/16/17 13:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
p-Isopropyltoluene	0.0074 U	mg/kg	0.012	0.0074	1		06/21/17 08:24	99-87-6	
sec-Butylbenzene	0.0071 U	mg/kg	0.012	0.0071	1		06/21/17 08:24	135-98-8	
tert-Butylbenzene	0.0070 U	mg/kg	0.012	0.0070	1		06/21/17 08:24	98-06-6	
trans-1,2-Dichloroethene	0.0075 U	mg/kg	0.012	0.0075	1		06/21/17 08:24	156-60-5	
trans-1,3-Dichloropropene	0.0061 U	mg/kg	0.012	0.0061	1		06/21/17 08:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/21/17 08:24	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/21/17 08:24	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/21/17 08:24	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	58.7	%	0.10	0.10	1		06/22/17 14:00		J(D6)

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

QC Batch: 375981

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 35318696001, 35318696002, 35318696013, 35318696014

METHOD BLANK: 2035927

Matrix: Solid

Associated Lab Samples: 35318696001, 35318696002, 35318696013, 35318696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0050 U	0.0099	0.0050	06/20/17 14:02	

LABORATORY CONTROL SAMPLE: 2035928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.097	0.097	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035929 2035930

Parameter	Units	2035929		2035930		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35316553001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/kg	0.43	.16	.14	0.50	0.44	44	6	80-120	13	20 J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 375667 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010

METHOD BLANK: 2034385 Matrix: Solid
Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.26 U	0.51	0.26	06/20/17 01:13	
Barium	mg/kg	0.26 U	0.51	0.26	06/20/17 01:13	
Cadmium	mg/kg	0.026 U	0.051	0.026	06/20/17 01:13	
Chromium	mg/kg	0.13 U	0.26	0.13	06/20/17 01:13	
Lead	mg/kg	0.26 U	0.51	0.26	06/20/17 01:13	
Selenium	mg/kg	0.38 U	0.77	0.38	06/20/17 01:13	
Silver	mg/kg	0.13 U	0.26	0.13	06/20/17 01:13	

LABORATORY CONTROL SAMPLE: 2034386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	11.4	11.4	100	80-120	
Barium	mg/kg	11.4	12.9	113	80-120	
Cadmium	mg/kg	1.1	1.2	110	80-120	
Chromium	mg/kg	11.4	12.9	113	80-120	
Lead	mg/kg	11.4	12.4	109	80-120	
Selenium	mg/kg	11.4	11.1	98	80-120	
Silver	mg/kg	1.1	1.4	120	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034387 2034388

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35317781001 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	mg/kg	5.2	12.9	13.7	16.6	18.7	88	99	75-125	12	20
Barium	mg/kg	16.2	12.9	13.7	27.9	28.1	91	87	75-125	0	20
Cadmium	mg/kg	1.8	1.3	1.3	1.4	1.5	-28	-17	75-125	9	20 J(M1)
Chromium	mg/kg	4.9	12.9	13.7	19.5	20.0	113	110	75-125	3	20
Lead	mg/kg	19.7	12.9	13.7	30.2	28.3	81	63	75-125	6	20 J(M1)
Selenium	mg/kg	0.94 U	12.9	13.7	14.2	15.8	110	116	75-125	11	20
Silver	mg/kg	0.31 U	1.3	1.3	1.7	1.9	135	138	75-125	8	20 J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 375948 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016

METHOD BLANK: 2035777 Matrix: Solid
Associated Lab Samples: 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Barium	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Cadmium	mg/kg	0.031 U	0.062	0.031	06/20/17 13:00	
Chromium	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Lead	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Selenium	mg/kg	0.46 U	0.93	0.46	06/20/17 13:00	
Silver	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	

LABORATORY CONTROL SAMPLE: 2035778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	13.8	13.5	98	80-120	
Barium	mg/kg	13.8	14.8	107	80-120	
Cadmium	mg/kg	1.4	1.4	104	80-120	
Chromium	mg/kg	13.8	15.2	109	80-120	
Lead	mg/kg	13.8	14.7	106	80-120	
Selenium	mg/kg	13.8	13.2	95	80-120	
Silver	mg/kg	1.4	1.6	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035779 2035780

Parameter	Units	2035779		2035780		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		35318456025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Arsenic	mg/kg	1.7	16	18.1	20.2	2.0	116	2	75-125	164	20	J(M1), J(R1)
Barium	mg/kg	12.6	16	18.1	30.6	12.8	112	1	75-125	82	20	J(M1), J(R1)
Cadmium	mg/kg	0.15 U	1.7	1.8	1.6	0.12	96	2	75-125	173	20	J(M1), J(R1)
Chromium	mg/kg	6.7	16	18.1	22.5	6.4	99	-2	75-125	112	20	J(M1), J(R1)
Lead	mg/kg	9.7	16	18.1	24.6	9.4	93	-2	75-125	90	20	J(M1), J(R1)
Selenium	mg/kg	0.45 U	16	18.1	17.2	0.54 U	107	0	75-125		20	J(M1)
Silver	mg/kg	0.75 U	1.7	1.8	2.0	0.18 U	126	0	75-125		20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

QC Batch: 376599

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET Solid

Associated Lab Samples: 35318696017, 35318696018

METHOD BLANK: 2039425

Matrix: Solid

Associated Lab Samples: 35318696017, 35318696018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	06/23/17 13:45	
Lead	mg/kg	0.30 U	0.60	0.30	06/23/17 13:45	

LABORATORY CONTROL SAMPLE: 2039426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	13.5	10.8	80	80-120	
Lead	mg/kg	13.5	12.5	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2039427 2039428

Parameter	Units	35309461007 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Arsenic	mg/kg	1.1 I	18	11.1	18.5	15.3	56	77	75-125	32	20	J(M1), J(R1)
Lead	mg/kg	177	18	46.0	18.5	118	-731	-320	75-125	88	20	J(M1), J(R1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 381244 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35318696009, 35318696010, 35318696011, 35318696012, 35318696016

METHOD BLANK: 2068876 Matrix: Water
Associated Lab Samples: 35318696009, 35318696010, 35318696011, 35318696012, 35318696016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/18/17 13:45	

LABORATORY CONTROL SAMPLE & LCSD: 2068877

Parameter	Units	2068878					% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Arsenic	mg/L	.25	0.27	0.26	107	106	80-120	2	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

QC Batch: 381242

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 35318696016

METHOD BLANK: 2068869

Matrix: Water

Associated Lab Samples: 35318696016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/L	0.025 U	0.050	0.025	07/18/17 13:10	

LABORATORY CONTROL SAMPLE & LCSD: 2068870

2068873

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Lead	mg/L	1.2	1.3	1.3	104	104	80-120	1	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 376150 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010, 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016, 35318696017, 35318696018

METHOD BLANK: 2036656 Matrix: Solid
Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010, 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016, 35318696017, 35318696018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/21/17 00:42	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/21/17 00:42	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	06/21/17 00:42	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/21/17 00:42	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,2-Dichloroethene (Total)	mg/kg	0.0030 U	0.0050	0.0030	06/21/17 00:42	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/21/17 00:42	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/21/17 00:42	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Acetone	mg/kg	0.010 U	0.020	0.010	06/21/17 00:42	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/21/17 00:42	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	06/21/17 00:42	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/21/17 00:42	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

METHOD BLANK: 2036656

Matrix: Solid

Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010, 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016, 35318696017, 35318696018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	06/21/17 00:42	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/21/17 00:42	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/21/17 00:42	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/21/17 00:42	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/21/17 00:42	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/21/17 00:42	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/21/17 00:42	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/21/17 00:42	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/21/17 00:42	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/21/17 00:42	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/21/17 00:42	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/21/17 00:42	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/21/17 00:42	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/21/17 00:42	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/21/17 00:42	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/21/17 00:42	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/21/17 00:42	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/21/17 00:42	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/21/17 00:42	
1,2-Dichloroethane-d4 (S)	%	92	80-131		06/21/17 00:42	
4-Bromofluorobenzene (S)	%	99	55-148		06/21/17 00:42	
Toluene-d8 (S)	%	102	84-117		06/21/17 00:42	

LABORATORY CONTROL SAMPLE: 2036657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.019	97	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.021	104	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.019	97	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	106	70-130	
1,1-Dichloroethane	mg/kg	.02	0.021	105	69-130	
1,1-Dichloroethene	mg/kg	.02	0.022	112	67-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

LABORATORY CONTROL SAMPLE: 2036657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	mg/kg	.02	0.022	111	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	101	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.020	99	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	92	67-130	N2
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.018	91	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	98	70-130	
1,2-Dichloroethane	mg/kg	.02	0.022	111	70-130	
1,2-Dichloroethene (Total)	mg/kg	.04	0.045	112	70-130	
1,2-Dichloropropane	mg/kg	.02	0.021	104	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	94	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	105	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	97	70-130	
2-Butanone (MEK)	mg/kg	.04	0.036	90	51-161	
2-Chlorotoluene	mg/kg	.02	0.019	94	70-130	
2-Hexanone	mg/kg	.04	0.031	79	59-137	
4-Chlorotoluene	mg/kg	.02	0.019	96	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.035	89	64-143	
Acetone	mg/kg	.04	0.045	114	32-175	
Acetonitrile	mg/kg	.2	0.18	91	68-131	
Benzene	mg/kg	.02	0.022	112	70-130	
Bromobenzene	mg/kg	.02	0.019	94	70-130	
Bromochloromethane	mg/kg	.02	0.023	116	70-130	
Bromodichloromethane	mg/kg	.02	0.020	98	70-130	
Bromoform	mg/kg	.02	0.013	65	70-130	J(L2)
Bromomethane	mg/kg	.02	0.020	99	42-156	
Carbon disulfide	mg/kg	.02	0.015	73	49-152	
Carbon tetrachloride	mg/kg	.02	0.020	98	65-132	
Chlorobenzene	mg/kg	.02	0.020	102	70-130	
Chloroethane	mg/kg	.02	0.023	115	56-146	
Chloroform	mg/kg	.02	0.022	109	69-130	
Chloromethane	mg/kg	.02	0.021	104	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	106	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.020	100	70-130	
Dibromochloromethane	mg/kg	.02	0.018	88	70-130	
Dibromomethane	mg/kg	.02	0.022	108	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.025	125	58-138	
Ethylbenzene	mg/kg	.02	0.020	102	70-130	
Iodomethane	mg/kg	.04	0.042	105	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.020	101	70-130	
m&p-Xylene	mg/kg	.04	0.039	98	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.017	85	70-130	
Methylene Chloride	mg/kg	.02	0.030	152	40-159	
n-Butylbenzene	mg/kg	.02	0.018	92	70-130	
n-Propylbenzene	mg/kg	.02	0.019	97	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

LABORATORY CONTROL SAMPLE: 2036657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	mg/kg	.02	0.019	97	70-130	
p-Isopropyltoluene	mg/kg	.02	0.018	91	70-130	
sec-Butylbenzene	mg/kg	.02	0.019	97	70-130	
Styrene	mg/kg	.02	0.020	99	70-130	
tert-Butylbenzene	mg/kg	.02	0.019	96	70-130	
Tetrachloroethene	mg/kg	.02	0.021	104	63-130	
Toluene	mg/kg	.02	0.021	103	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.024	119	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	93	70-130	
Trichloroethene	mg/kg	.02	0.022	112	69-130	
Trichlorofluoromethane	mg/kg	.02	0.026	130	67-130	
Vinyl acetate	mg/kg	.02	0.018	90	53-146	
Vinyl chloride	mg/kg	.02	0.021	103	67-130	
Xylene (Total)	mg/kg	.06	0.059	98	70-130	
1,2-Dichloroethane-d4 (S)	%			100	80-131	
4-Bromofluorobenzene (S)	%			103	55-148	
Toluene-d8 (S)	%			102	84-117	

MATRIX SPIKE SAMPLE: 2037918

Parameter	Units	35318696005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0029 U	.021	0.0066	31	42-130	J(M1)
1,1,1-Trichloroethane	mg/kg	0.0032 U	.021	0.019	87	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0029 U	.021	0.0082	38	50-130	J(M1)
1,1,2-Trichloroethane	mg/kg	0.0029 U	.021	0.013	58	59-130	J(M1)
1,1-Dichloroethane	mg/kg	0.0032 U	.021	0.020	91	50-130	
1,1-Dichloroethene	mg/kg	0.0029 U	.021	0.025	115	51-130	
1,1-Dichloropropene	mg/kg	0.0030 U	.021	0.016	73	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0029 U	.021	0.0027 U	4	20-143	J(M1)
1,2,3-Trichloropropane	mg/kg	0.0029 U	.021	0.011	50	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0029 U	.021	0.0027 U	9	20-130	J(M1),N2
1,2,4-Trichlorobenzene	mg/kg	0.0029 U	.021	0.0027 U	4	20-142	J(M1)
1,2,4-Trimethylbenzene	mg/kg	0.0032 U	.021	0.0030 U	8	20-133	J(M1)
1,2-Dichlorobenzene	mg/kg	0.0029 U	.021	0.0027 U	9	20-134	J(M1)
1,2-Dichloroethane	mg/kg	0.0029 U	.021	0.018	82	57-130	
1,2-Dichloroethene (Total)	mg/kg	0.0035 U	.043	0.037	84	70-130	
1,2-Dichloropropane	mg/kg	0.0029 U	.021	0.014	66	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0033 U	.021	0.0031 U	9	26-130	J(M1)
1,3-Dichlorobenzene	mg/kg	0.0029 U	.021	0.0027 U	8	20-133	J(M1)
1,3-Dichloropropane	mg/kg	0.0029 U	.021	0.012	56	57-130	J(M1)
1,4-Dichlorobenzene	mg/kg	0.0029 U	.021	0.0027 U	8	20-134	J(M1)
2,2-Dichloropropane	mg/kg	0.0030 U	.021	0.018	85	35-130	
2-Butanone (MEK)	mg/kg	0.0029 U	.043	0.034	78	20-217	
2-Chlorotoluene	mg/kg	0.0029 U	.021	0.0027 U	11	26-130	J(M1)
2-Hexanone	mg/kg	0.0029 U	.043	0.021	49	20-136	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

MATRIX SPIKE SAMPLE:	2037918	35318696005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Chlorotoluene	mg/kg	0.0029 U	.021	0.0027 U	9	21-132	J(M1)
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0029 U	.043	0.029	66	21-151	
Acetone	mg/kg	0.18	.043	0.27	197	20-219	
Acetonitrile	mg/kg	0.029 U	.21	0.17	78	32-150	
Benzene	mg/kg	0.0030 U	.021	0.015	71	24-141	
Bromobenzene	mg/kg	0.0029 U	.021	0.0034 I	16	20-138	J(M1)
Bromochloromethane	mg/kg	0.0029 U	.021	0.018	85	53-141	
Bromodichloromethane	mg/kg	0.0029 U	.021	0.012	54	20-155	
Bromoform	mg/kg	0.0029 U	.021	0.0040 I	18	30-130	J(M0)
Bromomethane	mg/kg	0.0029 U	.021	0.018	84	22-152	
Carbon disulfide	mg/kg	0.0029 U	.021	0.012	57	20-160	
Carbon tetrachloride	mg/kg	0.0029 U	.021	0.016	75	23-141	
Chlorobenzene	mg/kg	0.0029 U	.021	0.0052 I	24	34-130	J(M1)
Chloroethane	mg/kg	0.0042 U	.021	0.026	122	43-146	
Chloroform	mg/kg	0.0034 U	.021	0.017	78	42-132	
Chloromethane	mg/kg	0.0032 U	.021	0.024	109	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0029 U	.021	0.016	74	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0029 U	.021	0.0091	42	33-132	
Dibromochloromethane	mg/kg	0.0029 U	.021	0.0075	35	20-151	
Dibromomethane	mg/kg	0.0029 U	.021	0.015	71	49-137	
Dichlorodifluoromethane	mg/kg	0.0031 U	.021	0.036	164	39-130	J(M1)
Ethylbenzene	mg/kg	0.0033 U	.021	0.0044 I	20	30-130	J(M1)
Iodomethane	mg/kg	0.0029 U	.043	0.029	68	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0034 U	.021	0.0031 U	13	28-130	J(M1)
m&p-Xylene	mg/kg	0.0060 U	.043	0.0072 I	17	27-150	J(M1)
Methyl-tert-butyl ether	mg/kg	0.0029 U	.021	0.017	80	31-156	
Methylene Chloride	mg/kg	0.0029 U	.021	0.018	82	20-150	
n-Butylbenzene	mg/kg	0.0035 U	.021	0.0033 U	4	20-132	J(M1)
n-Propylbenzene	mg/kg	0.0031 U	.021	0.0029 U	10	24-130	J(M1)
o-Xylene	mg/kg	0.0030 U	.021	0.0036 I	17	27-150	J(M1)
p-Isopropyltoluene	mg/kg	0.0035 U	.021	0.0033 U	5	20-133	J(M1)
sec-Butylbenzene	mg/kg	0.0034 U	.021	0.0031 U	7	20-131	J(M1)
Styrene	mg/kg	0.0029 U	.021	0.0032 I	15	20-137	J(M1)
tert-Butylbenzene	mg/kg	0.0033 U	.021	0.0031 U	10	20-131	J(M1)
Tetrachloroethene	mg/kg	0.0029 U	.021	0.0064	30	23-144	
Toluene	mg/kg	0.0031 U	.021	0.0088	41	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0035 U	.021	0.020	95	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0029 U	.021	0.0078	36	33-130	
Trichloroethene	mg/kg	0.0033 U	.021	0.012	55	42-130	
Trichlorofluoromethane	mg/kg	0.0032 U	.021	0.033	153	40-130	J(M1)
Vinyl acetate	mg/kg	0.0029 U	.021	0.0049 I	23	20-156	
Vinyl chloride	mg/kg	0.0031 U	.021	0.024	110	47-130	
Xylene (Total)	mg/kg	0.0060 U	.064	0.0056 U	0	26-130	MS
1,2-Dichloroethane-d4 (S)	%				100	80-131	
4-Bromofluorobenzene (S)	%				99	55-148	
Toluene-d8 (S)	%				100	84-117	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

SAMPLE DUPLICATE: 2037919

Parameter	Units	35318696007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0032 U	0.0032 U		40	
1,1,1-Trichloroethane	mg/kg	0.0035 U	0.0035 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0032 U	0.0032 U		40	
1,1,2-Trichloroethane	mg/kg	0.0032 U	0.0032 U		40	
1,1-Dichloroethane	mg/kg	0.0035 U	0.0035 U		40	
1,1-Dichloroethene	mg/kg	0.0032 U	0.0032 U		40	
1,1-Dichloropropene	mg/kg	0.0033 U	0.0033 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0032 U	0.0032 U		40	
1,2,3-Trichloropropane	mg/kg	0.0032 U	0.0032 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0032 U	0.0032 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0032 U	0.0032 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0036 U	0.0036 U		40	
1,2-Dichlorobenzene	mg/kg	0.0032 U	0.0032 U		40	
1,2-Dichloroethane	mg/kg	0.0032 U	0.0032 U		40	
1,2-Dichloroethene (Total)	mg/kg	0.0039 U	0.0039 U		40	
1,2-Dichloropropane	mg/kg	0.0032 U	0.0032 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0037 U	0.0037 U		40	
1,3-Dichlorobenzene	mg/kg	0.0032 U	0.0032 U		40	
1,3-Dichloropropane	mg/kg	0.0032 U	0.0032 U		40	
1,4-Dichlorobenzene	mg/kg	0.0032 U	0.0032 U		40	
2,2-Dichloropropane	mg/kg	0.0033 U	0.0033 U		40	
2-Butanone (MEK)	mg/kg	0.0032 U	0.0032 U		40	
2-Chlorotoluene	mg/kg	0.0032 U	0.0032 U		40	
2-Hexanone	mg/kg	0.0032 U	0.0032 U		40	
4-Chlorotoluene	mg/kg	0.0032 U	0.0032 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0032 U	0.0032 U		40	
Acetone	mg/kg	0.25	0.37	36	40	
Acetonitrile	mg/kg	0.032 U	0.032 U		40	
Benzene	mg/kg	0.0033 U	0.0033 U		40	
Bromobenzene	mg/kg	0.0032 U	0.0032 U		40	
Bromochloromethane	mg/kg	0.0032 U	0.0032 U		40	
Bromodichloromethane	mg/kg	0.0032 U	0.0032 U		40	
Bromoform	mg/kg	0.0032 U	0.0032 U		40	
Bromomethane	mg/kg	0.0032 U	0.0032 U		40	
Carbon disulfide	mg/kg	0.0032 U	0.0032 U		40	
Carbon tetrachloride	mg/kg	0.0032 U	0.0032 U		40	
Chlorobenzene	mg/kg	0.0032 U	0.0032 U		40	
Chloroethane	mg/kg	0.0046 U	0.0046 U		40	
Chloroform	mg/kg	0.0038 U	0.0038 U		40	
Chloromethane	mg/kg	0.0036 U	0.0036 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0032 U	0.0032 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0032 U	0.0032 U		40	
Dibromochloromethane	mg/kg	0.0032 U	0.0032 U		40	
Dibromomethane	mg/kg	0.0032 U	0.0032 U		40	
Dichlorodifluoromethane	mg/kg	0.0034 U	0.0034 U		40	
Ethylbenzene	mg/kg	0.0037 U	0.0036 U		40	
Iodomethane	mg/kg	0.0032 U	0.0032 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

SAMPLE DUPLICATE: 2037919

Parameter	Units	35318696007 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	mg/kg	0.0037 U	0.0037 U		40	
m&p-Xylene	mg/kg	0.0066 U	0.0065 U		40	
Methyl-tert-butyl ether	mg/kg	0.0032 U	0.0032 U		40	
Methylene Chloride	mg/kg	0.0032 U	0.0032 U		40	
n-Butylbenzene	mg/kg	0.0039 U	0.0038 U		40	
n-Propylbenzene	mg/kg	0.0034 U	0.0034 U		40	
o-Xylene	mg/kg	0.0033 U	0.0033 U		40	
p-Isopropyltoluene	mg/kg	0.0039 U	0.0038 U		40	
sec-Butylbenzene	mg/kg	0.0037 U	0.0037 U		40	
Styrene	mg/kg	0.0032 U	0.0032 U		40	
tert-Butylbenzene	mg/kg	0.0037 U	0.0037 U		40	
Tetrachloroethene	mg/kg	0.0032 U	0.0032 U		40	
Toluene	mg/kg	0.0035 U	0.0034 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0039 U	0.0039 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0032 U	0.0032 U		40	
Trichloroethene	mg/kg	0.0036 U	0.0036 U		40	
Trichlorofluoromethane	mg/kg	0.0035 U	0.0035 U		40	
Vinyl acetate	mg/kg	0.0033 U	0.0032 U		40	
Vinyl chloride	mg/kg	0.0035 U	0.0034 U		40	
Xylene (Total)	mg/kg	0.0066 U	0.0065 U		40	
1,2-Dichloroethane-d4 (S)	%	100	102	0	40	
4-Bromofluorobenzene (S)	%	96	98	0	40	
Toluene-d8 (S)	%	100	102	0	40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

QC Batch: 375857 Analysis Method: EPA 8081
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 35318696001, 35318696002

METHOD BLANK: 2034979 Matrix: Solid

Associated Lab Samples: 35318696001, 35318696002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	mg/kg	0.00013 U	0.0017	0.00013	06/20/17 14:54	
4,4'-DDE	mg/kg	0.000060 U	0.0017	0.000060	06/20/17 14:54	
4,4'-DDT	mg/kg	0.000095 U	0.0017	0.000095	06/20/17 14:54	
Aldrin	mg/kg	0.000057 U	0.0017	0.000057	06/20/17 14:54	
alpha-BHC	mg/kg	0.000068 U	0.0017	0.000068	06/20/17 14:54	
beta-BHC	mg/kg	0.000076 U	0.0017	0.000076	06/20/17 14:54	
Chlordane (Technical)	mg/kg	0.016 U	0.017	0.016	06/20/17 14:54	
delta-BHC	mg/kg	0.000086 U	0.0017	0.000086	06/20/17 14:54	
Dieldrin	mg/kg	0.000040 U	0.0017	0.000040	06/20/17 14:54	
Endosulfan I	mg/kg	0.000025 U	0.0017	0.000025	06/20/17 14:54	
Endosulfan II	mg/kg	0.000056 U	0.0017	0.000056	06/20/17 14:54	
Endosulfan sulfate	mg/kg	0.000042 U	0.0017	0.000042	06/20/17 14:54	
Endrin	mg/kg	0.000051 U	0.0017	0.000051	06/20/17 14:54	
Endrin aldehyde	mg/kg	0.000065 U	0.0033	0.000065	06/20/17 14:54	
Endrin ketone	mg/kg	0.000079 U	0.0017	0.000079	06/20/17 14:54	
gamma-BHC (Lindane)	mg/kg	0.00015 U	0.0017	0.00015	06/20/17 14:54	
Heptachlor	mg/kg	0.000039 U	0.0017	0.000039	06/20/17 14:54	
Heptachlor epoxide	mg/kg	0.00011 U	0.0017	0.00011	06/20/17 14:54	
Methoxychlor	mg/kg	0.0010 U	0.0017	0.0010	06/20/17 14:54	
Toxaphene	mg/kg	0.0073 U	0.017	0.0073	06/20/17 14:54	
Decachlorobiphenyl (S)	%	116	43-157		06/20/17 14:54	
Tetrachloro-m-xylene (S)	%	109	53-140		06/20/17 14:54	

LABORATORY CONTROL SAMPLE: 2034980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	mg/kg	.017	0.017	101	71-137	
4,4'-DDE	mg/kg	.017	0.016	98	71-136	
4,4'-DDT	mg/kg	.017	0.016	97	62-140	
Aldrin	mg/kg	.017	0.016	98	67-128	
alpha-BHC	mg/kg	.017	0.017	100	68-130	
beta-BHC	mg/kg	.017	0.017	100	70-130	
delta-BHC	mg/kg	.017	0.015	88	45-123	
Dieldrin	mg/kg	.017	0.016	98	72-132	
Endosulfan I	mg/kg	.017	0.016	98	72-130	
Endosulfan II	mg/kg	.017	0.017	100	72-132	
Endosulfan sulfate	mg/kg	.017	0.016	97	68-130	
Endrin	mg/kg	.017	0.017	100	70-135	
Endrin aldehyde	mg/kg	.017	0.016	95	59-131	
Endrin ketone	mg/kg	.017	0.017	103	69-135	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

LABORATORY CONTROL SAMPLE: 2034980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	mg/kg	.017	0.016	99	69-132	
Heptachlor	mg/kg	.017	0.017	100	68-131	
Heptachlor epoxide	mg/kg	.017	0.018	108	69-130	
Methoxychlor	mg/kg	.017	0.016	98	64-139	
Decachlorobiphenyl (S)	%			113	43-157	
Tetrachloro-m-xylene (S)	%			106	53-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036052 2036053

Parameter	Units	2036052		2036053		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		35318696002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
4,4'-DDD	mg/kg	0.00031 U	.039	.04	0.039	0.040	98	100	71-137	2	40	
4,4'-DDE	mg/kg	0.00015 U	.039	.04	0.037	0.038	95	94	71-136	1	40	
4,4'-DDT	mg/kg	0.0011 I	.039	.04	0.039	0.041	97	99	62-140	3	40	
Aldrin	mg/kg	0.00014 U	.039	.04	0.039	0.039	99	97	67-128	1	40	
alpha-BHC	mg/kg	0.00016 U	.039	.04	0.039	0.039	98	97	68-130	0	40	
beta-BHC	mg/kg	0.00018 U	.039	.04	0.038	0.038	96	95	70-130	0	40	
delta-BHC	mg/kg	0.00021 U	.039	.04	0.033	0.034	85	85	45-123	2	40	
Dieldrin	mg/kg	0.000095 U	.039	.04	0.038	0.038	96	94	72-132	1	40	
Endosulfan I	mg/kg	0.000060 U	.039	.04	0.038	0.038	96	95	72-130	0	40	
Endosulfan II	mg/kg	0.00014 U	.039	.04	0.040	0.041	102	102	72-132	1	40	
Endosulfan sulfate	mg/kg	0.00010 U	.039	.04	0.039	0.040	100	100	68-130	1	40	
Endrin	mg/kg	0.00012 U	.039	.04	0.040	0.041	101	102	70-135	2	40	
Endrin aldehyde	mg/kg	0.00016 U	.039	.04	0.037	0.037	95	93	59-131	0	40	
Endrin ketone	mg/kg	0.00019 U	.039	.04	0.039	0.039	98	98	69-135	1	40	
gamma-BHC (Lindane)	mg/kg	0.00035 U	.039	.04	0.038	0.038	96	95	69-132	0	40	
Heptachlor	mg/kg	0.000093 U	.039	.04	0.038	0.038	97	96	68-131	0	40	
Heptachlor epoxide	mg/kg	0.00026 U	.039	.04	0.043	0.042	108	106	69-130	1	40	
Methoxychlor	mg/kg	0.0025 U	.039	.04	0.036	0.036	92	91	64-139	1	40	
Decachlorobiphenyl (S)	%						105	106	43-157			
Tetrachloro-m-xylene (S)	%						106	102	53-140			

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 78302 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 35318696001, 35318696002

LABORATORY CONTROL SAMPLE: 341635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	mg/kg	.067	0.041	61	61-151	
2,4,5-TP (Silvex)	mg/kg	.067	0.045	67	58-135	
2,4-D	mg/kg	.067	0.036	54	15-155	
2,4-DB	mg/kg	.067	0.070	105	26-159	
Dalapon	mg/kg	.067	0.010	15	10-172	
Dicamba	mg/kg	.067	0.026	39	55-111 J(L2)	
Dichloroprop	mg/kg	.067	0.098	146	28-167	
Dinoseb	mg/kg	.067	0.071	107	28-200	
MCPA	mg/kg	6.7	3.4	51	26-131	
MCPP	mg/kg	6.7	3.6	53	10-158	
Pentachlorophenol	mg/kg	.067	0.084	127	40-140 N2	
2,4-DCAA (S)	%			104	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 341636 341637

Parameter	Units	7568360001		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result							
2,4,5-T	mg/kg	ND	.066	.066	0.056	0.055	84	83	10-146	1	40		
2,4,5-TP (Silvex)	mg/kg	ND	.066	.066	0.058	0.078	87	117	10-139	29	40		
2,4-D	mg/kg	ND	.066	.066	0.20	0.15	301	230	10-166	27	40	J(M1), L	
2,4-DB	mg/kg	ND	.066	.066	0.15	0.19	220	283	10-200	25	40	J(M1), L	
Dalapon	mg/kg	ND	.066	.066	0.047	0.042	71	63	10-154	13	40		
Dicamba	mg/kg	ND	.066	.066	0.062	0.064	93	96	10-140	3	40		
Dichloroprop	mg/kg	ND	.066	.066	0.049	0.035	74	52	10-194	34	40		
Dinoseb	mg/kg	ND	.066	.066	0.14	0.098	218	147	10-200	39	40	J(M1), L	
MCPA	mg/kg	ND	6.6	6.6	7.3	6.5	110	97	10-200	12	40		
MCPP	mg/kg	ND	6.6	6.6	11.2	9.8	169	148	10-175	14	40		
Pentachlorophenol	mg/kg	ND	.066	.066	0.068	0.066	102	99	40-140	2	40	N2	
2,4-DCAA (S)	%						146	155	10-188				

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

QC Batch: 375896 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010, 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016, 35318696017, 35318696018

METHOD BLANK: 2035091 Matrix: Solid
 Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010, 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016, 35318696017, 35318696018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/23/17 02:27	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/23/17 02:27	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/23/17 02:27	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/23/17 02:27	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/23/17 02:27	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/23/17 02:27	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/23/17 02:27	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/23/17 02:27	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/23/17 02:27	
Benzo(k)fluoranthene	mg/kg	0.0071 U	0.033	0.0071	06/23/17 02:27	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/23/17 02:27	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/23/17 02:27	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/23/17 02:27	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/23/17 02:27	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/23/17 02:27	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/23/17 02:27	
Phenanthrene	mg/kg	0.012 U	0.033	0.012	06/23/17 02:27	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/23/17 02:27	
2-Fluorobiphenyl (S)	%	75	32-129		06/23/17 02:27	
Nitrobenzene-d5 (S)	%	60	16-123		06/23/17 02:27	
Terphenyl-d14 (S)	%	74	38-138		06/23/17 02:27	

LABORATORY CONTROL SAMPLE: 2035092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.4	85	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.1	68	16-137	
Acenaphthene	mg/kg	1.7	1.3	75	37-120	
Acenaphthylene	mg/kg	1.7	1.4	85	41-120	
Anthracene	mg/kg	1.7	1.4	87	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.1	68	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.4	83	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.1	68	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.4	85	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.6	94	44-126	
Chrysene	mg/kg	1.7	1.4	86	45-120	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

LABORATORY CONTROL SAMPLE: 2035092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	84	43-124	
Fluoranthene	mg/kg	1.7	1.3	81	45-120	
Fluorene	mg/kg	1.7	1.3	79	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	81	43-123	
Naphthalene	mg/kg	1.7	1.1	67	40-120	
Phenanthrene	mg/kg	1.7	1.2	70	36-125	
Pyrene	mg/kg	1.7	1.4	82	41-123	
2-Fluorobiphenyl (S)	%			74	32-129	
Nitrobenzene-d5 (S)	%			44	16-123	
Terphenyl-d14 (S)	%			73	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036056 2036057

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35318682037 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	mg/kg	0.037	1.8	1.8	1.4	1.5	80	83	27-123	3	40
2-Methylnaphthalene	mg/kg	0.023 I	1.8	1.8	1.2	1.3	67	71	16-137	6	40
Acenaphthene	mg/kg	0.013 U	1.8	1.8	1.3	1.3	72	75	37-120	4	40
Acenaphthylene	mg/kg	0.011 U	1.8	1.8	1.4	1.5	80	84	41-120	5	40
Anthracene	mg/kg	0.015 I	1.8	1.8	1.5	1.5	83	86	45-120	4	40
Benzo(a)anthracene	mg/kg	0.010 U	1.8	1.8	1.1	1.2	65	68	44-120	5	40
Benzo(a)pyrene	mg/kg	0.0043 I	1.8	1.8	1.3	1.4	75	79	44-123	4	40
Benzo(b)fluoranthene	mg/kg	0.026 U	1.8	1.8	1.1	1.1	64	65	37-124	1	40
Benzo(g,h,i)perylene	mg/kg	0.013 U	1.8	1.8	1.3	1.3	74	74	42-125	0	40
Benzo(k)fluoranthene	mg/kg	0.0076 U	1.8	1.8	1.5	1.5	85	88	44-126	3	40
Chrysene	mg/kg	0.013 U	1.8	1.8	1.4	1.4	78	79	45-120	2	40
Dibenz(a,h)anthracene	mg/kg	0.018 U	1.8	1.8	1.3	1.3	71	74	43-124	4	40
Fluoranthene	mg/kg	0.011 U	1.8	1.8	1.4	1.4	81	80	45-120	1	40
Fluorene	mg/kg	0.016 U	1.8	1.8	1.3	1.4	75	78	42-120	4	40
Indeno(1,2,3-cd)pyrene	mg/kg	0.018 U	1.8	1.8	1.2	1.2	68	70	43-123	3	40
Naphthalene	mg/kg	0.011 U	1.8	1.8	1.2	1.3	68	74	40-120	8	40
Phenanthrene	mg/kg	0.045	1.8	1.8	1.2	1.3	65	69	36-125	6	40
Pyrene	mg/kg	0.031 I	1.8	1.8	1.3	1.4	73	79	41-123	8	40
2-Fluorobiphenyl (S)	%						67	72	32-129		
Nitrobenzene-d5 (S)	%						56	54	16-123		
Terphenyl-d14 (S)	%						63	68	38-138		

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 375876 Analysis Method: FL-PRO
QC Batch Method: EPA 3546 Analysis Description: FL-PRO Soil
Associated Lab Samples: 35318696001, 35318696002, 35318696013, 35318696014

METHOD BLANK: 2035017 Matrix: Solid
Associated Lab Samples: 35318696001, 35318696002, 35318696013, 35318696014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.5 U	3.9	2.5	06/21/17 18:38	
N-Pentatriacontane (S)	%	53	42-159		06/21/17 18:38	
o-Terphenyl (S)	%	98	62-109		06/21/17 18:38	

LABORATORY CONTROL SAMPLE: 2035018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	199	196	98	63-153	
N-Pentatriacontane (S)	%			89	42-159	
o-Terphenyl (S)	%			112	62-109 J(S0)	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036054 2036055

Parameter	Units	35318682037		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	Result	MSD Result	% Rec	% Rec				
Petroleum Range Organics	mg/kg	2.7 U	213	212	204	178	96	84	51-215	14	25	
N-Pentatriacontane (S)	%						78	78	42-159			
o-Terphenyl (S)	%						118	102	62-109			J(S0)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

QC Batch: 376554 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35318696001, 35318696002, 35318696003, 35318696004, 35318696005, 35318696006, 35318696007, 35318696008, 35318696009, 35318696010, 35318696011, 35318696012, 35318696013, 35318696014, 35318696015, 35318696016, 35318696017, 35318696018

SAMPLE DUPLICATE: 2039282

Parameter	Units	35318577027 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.3	3.4	39	10	J(D6)

SAMPLE DUPLICATE: 2039504

Parameter	Units	35318527001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.6	3.8	20	10	J(D6)

SAMPLE DUPLICATE: 2039505

Parameter	Units	35318605003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.4	20.0	2	10	

SAMPLE DUPLICATE: 2039506

Parameter	Units	35318640005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.4	10.9	4	10	

SAMPLE DUPLICATE: 2039507

Parameter	Units	35318696009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.3	10.2	1	10	

SAMPLE DUPLICATE: 2039508

Parameter	Units	35318696018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	58.7	51.9	12	10	J(D6)

SAMPLE DUPLICATE: 2039509

Parameter	Units	35318983007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.2	11.9	37	10	J(D6)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

SAMPLE DUPLICATE: 2039510

Parameter	Units	35319586002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.2	6.1	17	10	J(D6)

SAMPLE DUPLICATE: 2039511

Parameter	Units	35319589005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.0	5.9	18	10	J(D6)

SAMPLE DUPLICATE: 2039512

Parameter	Units	35319592009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.4	22.8	113	10	J(D6)

SAMPLE DUPLICATE: 2039513

Parameter	Units	35319595009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.0	12	10	J(D6)

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-D Pace Analytical Services - Dallas

PASI-O Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: 381275

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 381276

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

J(L2) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

J(M0) Estimated Value. Matrix spike recovery was outside laboratory control limits.

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

J(R1) Estimated Value. RPD value was outside control limits.

J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318696

ANALYTE QUALIFIERS

- L Off-scale high. Actual value is known to be greater than value given.
- MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
- N2 The lab does not hold NELAC/TNI accreditation for this parameter.
- Q Sample held beyond the accepted holding time.
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318696001	SB-10 (0-6")	EPA 3546	375857	EPA 8081	376117
35318696002	SB-10 (6"-2')	EPA 3546	375857	EPA 8081	376117
35318696001	SB-10 (0-6")	EPA 8151	78302	EPA 8151	78486
35318696002	SB-10 (6"-2')	EPA 8151	78302	EPA 8151	78486
35318696001	SB-10 (0-6")	EPA 3546	375876	FL-PRO	376394
35318696002	SB-10 (6"-2')	EPA 3546	375876	FL-PRO	376394
35318696013	SB-13 (0-6")	EPA 3546	375876	FL-PRO	376394
35318696014	SB-13 (6"-2')	EPA 3546	375876	FL-PRO	376394
35318696001	SB-10 (0-6")	EPA 3050	375667	EPA 6010	375678
35318696002	SB-10 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318696003	SB-11 (0-6")	EPA 3050	375667	EPA 6010	375678
35318696004	SB-11 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318696005	SB-11 E25 (0-6")	EPA 3050	375667	EPA 6010	375678
35318696006	SB-11 E25 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318696007	SB-11 W25 (0-6")	EPA 3050	375667	EPA 6010	375678
35318696008	SB-11 W25 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318696009	SB-12 E25 (0-6")	EPA 3050	375667	EPA 6010	375678
35318696010	SB-12 E25 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318696011	SB-12 W25 (0-6")	EPA 3050	375948	EPA 6010	376029
35318696012	SB-12 W25 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318696013	SB-13 (0-6")	EPA 3050	375948	EPA 6010	376029
35318696014	SB-13 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318696015	SB-14 E25 (0-6")	EPA 3050	375948	EPA 6010	376029
35318696016	SB-14 E25 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318696017	SB-14 W25 (0-6")	EPA 3050	376599	EPA 6010	376722
35318696018	SB-14 W25 (6"-2')	EPA 3050	376599	EPA 6010	376722
35318696009	SB-12 E25 (0-6")	EPA 3010	381244	EPA 6010	381276
35318696010	SB-12 E25 (6"-2')	EPA 3010	381244	EPA 6010	381276
35318696011	SB-12 W25 (0-6")	EPA 3010	381244	EPA 6010	381276
35318696012	SB-12 W25 (6"-2')	EPA 3010	381244	EPA 6010	381276
35318696016	SB-14 E25 (6"-2')	EPA 3010	381244	EPA 6010	381276
35318696016	SB-14 E25 (6"-2')	EPA 3010	381242	EPA 6010	381275
35318696001	SB-10 (0-6")	EPA 7471	375981	EPA 7471	376103
35318696002	SB-10 (6"-2')	EPA 7471	375981	EPA 7471	376103
35318696013	SB-13 (0-6")	EPA 7471	375981	EPA 7471	376103
35318696014	SB-13 (6"-2')	EPA 7471	375981	EPA 7471	376103
35318696001	SB-10 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696002	SB-10 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696003	SB-11 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696004	SB-11 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696005	SB-11 E25 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696006	SB-11 E25 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696007	SB-11 W25 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696008	SB-11 W25 (6"-2')	EPA 3546	375896	EPA 8270	376613

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318696009	SB-12 E25 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696010	SB-12 E25 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696011	SB-12 W25 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696012	SB-12 W25 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696013	SB-13 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696014	SB-13 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696015	SB-14 E25 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696016	SB-14 E25 (6"-2')	EPA 3546	375896	EPA 8270	376613
35318696017	SB-14 W25 (0-6")	EPA 3546	375896	EPA 8270	376613
35318696018	SB-14 W25 (6-2')	EPA 3546	375896	EPA 8270	376613
35318696001	SB-10 (0-6")	EPA 8260	376150		
35318696002	SB-10 (6"-2')	EPA 8260	376150		
35318696003	SB-11 (0-6")	EPA 8260	376150		
35318696004	SB-11 (6"-2')	EPA 8260	376150		
35318696005	SB-11 E25 (0-6")	EPA 8260	376150		
35318696006	SB-11 E25 (6"-2')	EPA 8260	376150		
35318696007	SB-11 W25 (0-6")	EPA 8260	376150		
35318696008	SB-11 W25 (6"-2')	EPA 8260	376150		
35318696009	SB-12 E25 (0-6")	EPA 8260	376150		
35318696010	SB-12 E25 (6"-2')	EPA 8260	376150		
35318696011	SB-12 W25 (0-6")	EPA 8260	376150		
35318696012	SB-12 W25 (6"-2')	EPA 8260	376150		
35318696013	SB-13 (0-6")	EPA 8260	376150		
35318696014	SB-13 (6"-2')	EPA 8260	376150		
35318696015	SB-14 E25 (0-6")	EPA 8260	376150		
35318696016	SB-14 E25 (6"-2')	EPA 8260	376150		
35318696017	SB-14 W25 (0-6")	EPA 8260	376150		
35318696018	SB-14 W25 (6-2')	EPA 8260	376150		
35318696001	SB-10 (0-6")	ASTM D2974-87	376554		
35318696002	SB-10 (6"-2')	ASTM D2974-87	376554		
35318696003	SB-11 (0-6")	ASTM D2974-87	376554		
35318696004	SB-11 (6"-2')	ASTM D2974-87	376554		
35318696005	SB-11 E25 (0-6")	ASTM D2974-87	376554		
35318696006	SB-11 E25 (6"-2')	ASTM D2974-87	376554		
35318696007	SB-11 W25 (0-6")	ASTM D2974-87	376554		
35318696008	SB-11 W25 (6"-2')	ASTM D2974-87	376554		
35318696009	SB-12 E25 (0-6")	ASTM D2974-87	376554		
35318696010	SB-12 E25 (6"-2')	ASTM D2974-87	376554		
35318696011	SB-12 W25 (0-6")	ASTM D2974-87	376554		
35318696012	SB-12 W25 (6"-2')	ASTM D2974-87	376554		
35318696013	SB-13 (0-6")	ASTM D2974-87	376554		
35318696014	SB-13 (6"-2')	ASTM D2974-87	376554		
35318696015	SB-14 E25 (0-6")	ASTM D2974-87	376554		
35318696016	SB-14 E25 (6"-2')	ASTM D2974-87	376554		
35318696017	SB-14 W25 (0-6")	ASTM D2974-87	376554		
35318696018	SB-14 W25 (6-2')	ASTM D2974-87	376554		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: AMEC Foster Wheeler Environment & Infrastructure	Report To: Ash Atharaju	Company Name:	Attention:	Company Name:	Attention:
Address: 5845 NW 158th Street	Copy To:	Address:		Address:	
Miami Lakes, FL 33014		Purchase Order #: 6783-17-2970.01		Pace Quote:	
Email: ashok.atharaju@amec.com		Project Name: The Underline		Pace Project Manager: christina.raschke@pacelabs.com,	
Phone: (954)895-6796	Fax:	Project #: 6783-17-2970		Pace Profile #: 5651-9	
Requested Due Date:					

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	UNPRESERVED	PRESERVATIVES										ANALYSES TEST	Y/N	REQUESTED ANALYSIS FILTERED (Y/N)	Residual Chlorine (Y/N)											
			START	END					H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	8260 BTEXMTBE	8270 PAH	TRPH-FLPRO					BRCRA	8260 VOC (PB)	6010 Pb, As	8081 Pesticides	8151 Herbicides						
61	SB-13 (0-6")	DW	16:17	15:37																													
62	SB-13 (6"-2')	WT	16:07	15:39																													
63	SB-14 E25 (0-6")	WW	16:17	16:09																													
64	SB-14 E25 (6"-2')	P	16:17	16:17																													
65	SB-14 W25 (0-6")	SL	16:19	16:19																													
66	SB-14 W25 (6"-2')	OL																															

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	RECEIVED ON	TEMP IN C
<i>[Signature]</i>	16/7/18	15:00	<i>[Signature]</i>	16/7/18	15:23	16/7/18	22
			<i>AS PAKE</i>				
ADDITIONAL COMMENTS							
<i>[Handwritten notes]</i>							

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *BRADYAN BULLER*
 SIGNATURE of SAMPLER: *[Signature]*
 DATE SIGNED: *16/7/18*

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35318696**
Project Manager **PM: CTR** **Due Date: 06/23/17**
Client: **CLIENT: 36-MACTEC**

Date and Initials of person:
 Examining contents: _____
 Label: _____
 Deliver: AS
 pH: _____

Thermometer Used: T-286 Date: 6/17/17 Time: 0025 Initials: AS

- | | |
|---|--|
| Cooler #1 Temp.°C <u>2.4</u> (Visual) <u>+0.1</u> (Correction Factor) <u>2.5</u> (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
 Shipping Method: First Overnight Priority Overnight Standard Overnight Ground Other _____
 Billing: Recipient Sender Third Party Unknown
 Tracking # _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Ice: Wet Blue None
 Packing Material: Bubble Wrap Bubble Bags None Other _____
 Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:
 Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

July 23, 2017

Ash Aitharaju
AMEC Foster Wheeler Environment &
Infrastructure
5845 NW 158th Street
Miami Lakes, FL 33014

RE: Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Dear Ash Aitharaju:

Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revision 1: SPLP Arsenic has been removed from hold for SB-7 (6₂-2₂).

Revision 2: TCLP has been removed from hold.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35318779001	SB-15 (0-6")	Solid	06/16/17 10:12	06/17/17 10:50
35318779002	SB-15 (6"-2')	Solid	06/16/17 10:14	06/17/17 10:50
35318779003	SB-16 E25 (0-6")	Solid	06/16/17 13:17	06/17/17 10:50
35318779004	SB-16 E50 (6"-2')	Solid	06/16/17 13:34	06/17/17 10:50
35318779005	SB-16 E50 (0-6")	Solid	06/16/17 13:32	06/17/17 10:50
35318779006	SB-16 E25 (6"-2')	Solid	06/16/17 13:19	06/17/17 10:50
35318779007	SB-17 E25 (0-6")	Solid	06/16/17 14:17	06/17/17 10:50
35318779008	SB-17 E25 (6"-2')	Solid	06/16/17 14:19	06/17/17 10:50
35318779009	SB-17 W50 (0-6")	Solid	06/16/17 14:17	06/17/17 10:50
35318779010	SB-17 W50 (6"-2')	Solid	06/16/17 14:19	06/17/17 10:50
35318779011	SB-7 (0-6")	Solid	06/16/17 15:45	06/17/17 10:50
35318779012	SB-7 (6"-2')	Solid	06/16/17 15:47	06/17/17 10:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318779001	SB-15 (0-6")	FL-PRO	JGW	3	PASI-O
		EPA 6010	BTS, RVK	7	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779002	SB-15 (6"-2')	FL-PRO	JGW	3	PASI-O
		EPA 6010	BTS, RVK	7	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779003	SB-16 E25 (0-6")	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779004	SB-16 E50 (6"-2')	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 8270	EAO, TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779005	SB-16 E50 (0-6")	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779006	SB-16 E25 (6"-2')	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779007	SB-17 E25 (0-6")	EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35318779008	SB-17 E25 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35318779009	SB-17 W50 (0-6")	ASTM D2974-87	DRC	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35318779010	SB-17 W50 (6"-2')	EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		FL-PRO	JGW	3	PASI-O
35318779011	SB-7 (0-6")	EPA 6010	BTS	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
		FL-PRO	JGW	3	PASI-O
35318779012	SB-7 (6"-2')	EPA 6010	BTS	7	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	DRC	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318779001	SB-15 (0-6")					
FL-PRO	Petroleum Range Organics	107	mg/kg	4.7	06/20/17 16:12	
EPA 6010	Arsenic	19.5	mg/kg	1.0	06/20/17 16:52	
EPA 6010	Barium	53.2	mg/kg	1.0	06/20/17 16:52	
EPA 6010	Cadmium	0.62	mg/kg	0.10	06/20/17 16:52	
EPA 6010	Chromium	20.1	mg/kg	0.52	06/20/17 16:52	
EPA 6010	Lead	120	mg/kg	1.0	06/20/17 16:52	
EPA 6010	Arsenic	0.010	mg/L	0.010	07/19/17 02:12	Q
EPA 8270	Acenaphthene	0.016	l mg/kg	0.038	06/22/17 18:29	
EPA 8270	Acenaphthylene	1.1	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Anthracene	0.75	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Benzo(a)anthracene	1.8	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Benzo(a)pyrene	2.0	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Benzo(b)fluoranthene	3.4	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Benzo(g,h,i)perylene	1.0	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Benzo(k)fluoranthene	1.1	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Chrysene	1.5	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Dibenz(a,h)anthracene	0.33	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Fluoranthene	2.6	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Fluorene	0.034	l mg/kg	0.038	06/22/17 18:29	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.97	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Naphthalene	0.016	l mg/kg	0.038	06/22/17 18:29	
EPA 8270	Phenanthrene	0.079	mg/kg	0.038	06/22/17 18:29	
EPA 8270	Pyrene	2.9	mg/kg	0.038	06/22/17 18:29	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	06/24/17 07:48	
35318779002	SB-15 (6"-2')					
FL-PRO	Petroleum Range Organics	141	mg/kg	4.4	06/22/17 01:29	
EPA 6010	Arsenic	8.5	mg/kg	0.60	06/20/17 16:56	
EPA 6010	Barium	103	mg/kg	0.60	06/20/17 16:56	
EPA 6010	Cadmium	0.83	mg/kg	0.060	06/20/17 16:56	
EPA 6010	Chromium	28.4	mg/kg	0.30	06/20/17 16:56	
EPA 6010	Lead	162	mg/kg	0.60	06/20/17 16:56	
EPA 6010	Arsenic	0.062	mg/L	0.010	07/19/17 02:17	Q
EPA 7471	Mercury	0.034	mg/kg	0.011	06/22/17 13:15	
EPA 8270	Acenaphthylene	0.40	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Anthracene	0.30	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Benzo(a)anthracene	0.57	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Benzo(a)pyrene	0.61	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Benzo(b)fluoranthene	1.2	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Benzo(g,h,i)perylene	0.35	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Benzo(k)fluoranthene	0.44	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Chrysene	0.48	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Dibenz(a,h)anthracene	0.11	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Fluoranthene	0.67	mg/kg	0.036	06/22/17 18:51	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.33	mg/kg	0.036	06/22/17 18:51	
EPA 8270	2-Methylnaphthalene	0.020	l mg/kg	0.036	06/22/17 18:51	
EPA 8270	Naphthalene	0.014	l mg/kg	0.036	06/22/17 18:51	
EPA 8270	Phenanthrene	0.045	mg/kg	0.036	06/22/17 18:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318779002	SB-15 (6"-2')					
EPA 8270	Pyrene	0.90	mg/kg	0.036	06/22/17 18:51	
ASTM D2974-87	Percent Moisture	8.2	%	0.10	06/24/17 07:48	
35318779003	SB-16 E25 (0-6")					
EPA 6010	Arsenic	5.4	mg/kg	0.73	06/20/17 17:01	
EPA 6010	Lead	20.7	mg/kg	0.73	06/20/17 17:01	
EPA 8270	Acenaphthylene	0.077	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Anthracene	0.051	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Benzo(a)anthracene	0.13	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Benzo(a)pyrene	0.13	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Benzo(b)fluoranthene	0.23	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Benzo(g,h,i)perylene	0.063	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Benzo(k)fluoranthene	0.068	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Chrysene	0.10	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Dibenz(a,h)anthracene	0.024	l mg/kg	0.043	06/22/17 19:14	
EPA 8270	Fluoranthene	0.23	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.065	mg/kg	0.043	06/22/17 19:14	
EPA 8270	Phenanthrene	0.025	l mg/kg	0.043	06/22/17 19:14	
EPA 8270	Pyrene	0.25	mg/kg	0.043	06/22/17 19:14	
EPA 8260	Acetone	0.30	mg/kg	0.026	06/22/17 02:33	
ASTM D2974-87	Percent Moisture	22.7	%	0.10	06/24/17 07:48	
35318779004	SB-16 E50 (6"-2')					
EPA 6010	Arsenic	148	mg/kg	0.63	06/20/17 17:05	
EPA 6010	Lead	236	mg/kg	0.63	06/20/17 17:05	
EPA 6010	Arsenic	0.063	mg/L	0.010	07/18/17 11:24	
EPA 6010	Lead	0.037	mg/L	0.010	07/18/17 11:24	
EPA 8270	Acenaphthene	0.087	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Acenaphthylene	1.1	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Anthracene	1.2	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Benzo(a)anthracene	2.6	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Benzo(a)pyrene	2.2	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Benzo(b)fluoranthene	3.0	mg/kg	0.19	06/23/17 14:00	
EPA 8270	Benzo(g,h,i)perylene	1.2	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Benzo(k)fluoranthene	1.5	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Chrysene	2.5	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Dibenz(a,h)anthracene	0.42	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Fluoranthene	3.1	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Fluorene	0.11	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Indeno(1,2,3-cd)pyrene	1.2	mg/kg	0.038	06/22/17 19:37	
EPA 8270	1-Methylnaphthalene	0.13	mg/kg	0.038	06/22/17 19:37	
EPA 8270	2-Methylnaphthalene	0.31	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Naphthalene	0.84	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Phenanthrene	1.0	mg/kg	0.038	06/22/17 19:37	
EPA 8270	Pyrene	2.9	mg/kg	0.038	06/22/17 19:37	
EPA 8260	Acetone	0.20	mg/kg	0.020	06/22/17 02:56	
ASTM D2974-87	Percent Moisture	13.5	%	0.10	06/24/17 07:48	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318779005	SB-16 E50 (0-6")					
EPA 6010	Arsenic	7.1	mg/kg	0.65	06/20/17 17:09	
EPA 6010	Lead	26.4	mg/kg	0.65	06/20/17 17:09	
EPA 8270	Acenaphthylene	0.22	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Anthracene	0.17	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Benzo(a)anthracene	0.41	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Benzo(a)pyrene	0.39	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Benzo(b)fluoranthene	0.55	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Benzo(g,h,i)perylene	0.25	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Benzo(k)fluoranthene	0.26	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Chrysene	0.40	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Dibenz(a,h)anthracene	0.074	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Fluoranthene	0.52	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.22	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Naphthalene	0.037 l	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Phenanthrene	0.10	mg/kg	0.038	06/22/17 20:00	
EPA 8270	Pyrene	0.44	mg/kg	0.038	06/22/17 20:00	
EPA 8260	Acetone	0.20	mg/kg	0.022	06/22/17 03:19	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	06/24/17 07:48	
35318779006	SB-16 E25 (6"-2")					
EPA 6010	Arsenic	18.2	mg/kg	0.59	06/20/17 17:13	
EPA 6010	Lead	56.3	mg/kg	0.59	06/20/17 17:13	
EPA 6010	Arsenic	0.015	mg/L	0.010	07/18/17 11:39	
EPA 8270	Acenaphthylene	0.26	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Anthracene	0.12	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Benzo(a)anthracene	0.65	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Benzo(a)pyrene	0.64	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Benzo(b)fluoranthene	0.98	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Benzo(g,h,i)perylene	0.40	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Benzo(k)fluoranthene	0.36	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Chrysene	0.61	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Dibenz(a,h)anthracene	0.14	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Fluoranthene	0.73	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Phenanthrene	0.099 l	mg/kg	0.12	06/22/17 07:53	D3
EPA 8270	Pyrene	0.71	mg/kg	0.12	06/22/17 07:53	D3
EPA 8260	Acetone	0.13	mg/kg	0.022	06/22/17 03:42	
ASTM D2974-87	Percent Moisture	17.5	%	0.10	06/24/17 07:48	
35318779007	SB-17 E25 (0-6")					
EPA 6010	Arsenic	5.4	mg/kg	1.7	06/20/17 17:17	
EPA 6010	Lead	30.9	mg/kg	1.7	06/20/17 17:17	
EPA 8270	Benzo(a)anthracene	0.039 l	mg/kg	0.074	06/22/17 20:22	D3
EPA 8270	Benzo(a)pyrene	0.029 l	mg/kg	0.074	06/22/17 20:22	D3,V
EPA 8270	Benzo(k)fluoranthene	0.020 l	mg/kg	0.074	06/22/17 20:22	D3
EPA 8260	Acetone	0.24	mg/kg	0.031	06/22/17 04:05	
ASTM D2974-87	Percent Moisture	33.8	%	0.10	06/24/17 07:48	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35318779008	SB-17 E25 (6"-2')					
EPA 6010	Arsenic	4.7	mg/kg	0.65	06/20/17 17:21	
EPA 6010	Lead	122	mg/kg	0.65	06/20/17 17:21	
EPA 8270	Acenaphthylene	0.11 l	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Anthracene	0.13 l	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Benzo(a)anthracene	0.24	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Benzo(a)pyrene	0.16	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Benzo(b)fluoranthene	0.28	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Benzo(g,h,i)perylene	0.11 l	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Benzo(k)fluoranthene	0.13 l	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Chrysene	0.17	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Fluoranthene	0.14	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.089 l	mg/kg	0.13	06/22/17 20:45	D3
EPA 8270	Pyrene	0.13 l	mg/kg	0.13	06/22/17 20:45	D3
EPA 8260	Acetone	0.25	mg/kg	0.025	06/22/17 04:28	
ASTM D2974-87	Percent Moisture	26.8	%	0.10	06/24/17 07:48	
35318779009	SB-17 W50 (0-6")					
EPA 6010	Arsenic	18.0	mg/kg	0.61	06/19/17 17:26	
EPA 6010	Lead	726	mg/kg	0.61	06/19/17 17:26	
EPA 8270	Acenaphthylene	0.23	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Anthracene	0.18	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Benzo(a)anthracene	0.21	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Benzo(a)pyrene	0.23	mg/kg	0.18	06/22/17 21:08	V
EPA 8270	Benzo(b)fluoranthene	0.32	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Benzo(g,h,i)perylene	0.16 l	mg/kg	0.18	06/22/17 21:08	V
EPA 8270	Benzo(k)fluoranthene	0.18	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Chrysene	0.17 l	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Fluoranthene	0.22	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.12 l	mg/kg	0.18	06/22/17 21:08	
EPA 8270	Pyrene	0.22	mg/kg	0.18	06/22/17 21:08	
EPA 8260	Acetone	0.11	mg/kg	0.017	06/22/17 04:51	
ASTM D2974-87	Percent Moisture	7.2	%	0.10	06/24/17 07:48	
35318779010	SB-17 W50 (6"-2')					
EPA 6010	Arsenic	10.0	mg/kg	0.60	06/19/17 17:30	
EPA 6010	Lead	51.1	mg/kg	0.60	06/19/17 17:30	
EPA 6010	Arsenic	0.021	mg/L	0.010	07/18/17 11:54	
EPA 8270	Acenaphthylene	0.051	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Anthracene	0.052	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Benzo(a)anthracene	0.074	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Benzo(a)pyrene	0.076	mg/kg	0.036	06/22/17 21:30	V
EPA 8270	Benzo(b)fluoranthene	0.13	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Benzo(g,h,i)perylene	0.057	mg/kg	0.036	06/22/17 21:30	V
EPA 8270	Benzo(k)fluoranthene	0.051	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Chrysene	0.082	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Fluoranthene	0.086	mg/kg	0.036	06/22/17 21:30	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.049	mg/kg	0.036	06/22/17 21:30	
EPA 8270	1-Methylnaphthalene	0.018 l	mg/kg	0.036	06/22/17 21:30	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35318779010	SB-17 W50 (6"-2')					
EPA 8270	2-Methylnaphthalene	0.020	l mg/kg	0.036	06/22/17 21:30	
EPA 8270	Naphthalene	0.017	l mg/kg	0.036	06/22/17 21:30	
EPA 8270	Phenanthrene	0.034	l mg/kg	0.036	06/22/17 21:30	
EPA 8270	Pyrene	0.080	l mg/kg	0.036	06/22/17 21:30	
EPA 8260	Acetone	0.11	l mg/kg	0.021	06/23/17 01:38	
ASTM D2974-87	Percent Moisture	8.1	%	0.10	06/24/17 07:48	
35318779011	SB-7 (0-6")					
EPA 6010	Arsenic	2.7	mg/kg	0.63	06/19/17 17:35	
EPA 6010	Barium	15.8	mg/kg	0.63	06/19/17 17:35	
EPA 6010	Cadmium	0.13	mg/kg	0.063	06/19/17 17:35	
EPA 6010	Chromium	9.4	mg/kg	0.32	06/19/17 17:35	
EPA 6010	Lead	6.6	mg/kg	0.63	06/19/17 17:35	
EPA 7471	Mercury	0.10	mg/kg	0.011	06/22/17 13:17	
EPA 8270	Benzo(a)pyrene	0.019	l mg/kg	0.12	06/22/17 21:53	D3, V
ASTM D2974-87	Percent Moisture	18.3	%	0.10	06/24/17 07:48	
35318779012	SB-7 (6"-2')					
FL-PRO	Petroleum Range Organics	4.5	l mg/kg	4.7	06/22/17 01:53	
EPA 6010	Arsenic	27.2	mg/kg	0.58	06/19/17 17:39	
EPA 6010	Barium	21.6	mg/kg	0.58	06/19/17 17:39	
EPA 6010	Cadmium	0.17	l mg/kg	0.29	06/20/17 05:32	D3
EPA 6010	Chromium	4.7	mg/kg	0.29	06/19/17 17:39	
EPA 6010	Lead	60.9	mg/kg	2.9	06/20/17 05:32	D3
EPA 6010	Arsenic	0.045	mg/L	0.010	07/08/17 22:07	
EPA 7471	Mercury	0.056	mg/kg	0.011	06/22/17 13:20	
EPA 8270	Acenaphthylene	0.036	l mg/kg	0.039	06/22/17 22:15	
EPA 8270	Anthracene	0.032	l mg/kg	0.039	06/22/17 22:15	
EPA 8270	Benzo(a)anthracene	0.11	mg/kg	0.039	06/22/17 22:15	
EPA 8270	Benzo(a)pyrene	0.072	mg/kg	0.039	06/22/17 22:15	V
EPA 8270	Benzo(b)fluoranthene	0.12	mg/kg	0.039	06/22/17 22:15	
EPA 8270	Benzo(g,h,i)perylene	0.042	mg/kg	0.039	06/22/17 22:15	V
EPA 8270	Benzo(k)fluoranthene	0.056	mg/kg	0.039	06/22/17 22:15	
EPA 8270	Chrysene	0.085	mg/kg	0.039	06/22/17 22:15	
EPA 8270	Fluoranthene	0.089	mg/kg	0.039	06/22/17 22:15	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.036	l mg/kg	0.039	06/22/17 22:15	
EPA 8270	Phenanthrene	0.020	l mg/kg	0.039	06/22/17 22:15	
EPA 8270	Pyrene	0.083	mg/kg	0.039	06/22/17 22:15	
ASTM D2974-87	Percent Moisture	14.4	%	0.10	06/24/17 07:48	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-15 (0-6") **Lab ID: 35318779001** Collected: 06/16/17 10:12 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	107	mg/kg	4.7	3.0	1	06/20/17 02:37	06/20/17 16:12		
Surrogates									
o-Terphenyl (S)	81	%	62-109		1	06/20/17 02:37	06/20/17 16:12	84-15-1	
N-Pentatriacontane (S)	54	%	42-159		1	06/20/17 02:37	06/20/17 16:12	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	19.5	mg/kg	1.0	0.52	2	06/20/17 06:01	06/20/17 16:52	7440-38-2	
Barium	53.2	mg/kg	1.0	0.52	2	06/20/17 06:01	06/20/17 16:52	7440-39-3	
Cadmium	0.62	mg/kg	0.10	0.052	2	06/20/17 06:01	06/20/17 16:52	7440-43-9	
Chromium	20.1	mg/kg	0.52	0.26	2	06/20/17 06:01	06/20/17 16:52	7440-47-3	
Lead	120	mg/kg	1.0	0.52	2	06/20/17 06:01	06/20/17 16:52	7439-92-1	
Selenium	7.8 U	mg/kg	15.7	7.8	20	06/20/17 06:01	06/21/17 03:08	7782-49-2	D3
Silver	0.26 U	mg/kg	0.52	0.26	2	06/20/17 06:01	06/20/17 16:52	7440-22-4	D3
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.010	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 02:12	7440-38-2	Q
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.054 U	mg/kg	0.11	0.054	10	06/22/17 09:31	06/22/17 13:58	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 I	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 18:29	83-32-9	
Acenaphthylene	1.1	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 18:29	208-96-8	
Anthracene	0.75	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 18:29	120-12-7	
Benzo(a)anthracene	1.8	mg/kg	0.038	0.011	1	06/20/17 17:00	06/22/17 18:29	56-55-3	
Benzo(a)pyrene	2.0	mg/kg	0.038	0.0045	1	06/20/17 17:00	06/22/17 18:29	50-32-8	
Benzo(b)fluoranthene	3.4	mg/kg	0.038	0.029	1	06/20/17 17:00	06/22/17 18:29	205-99-2	
Benzo(g,h,i)perylene	1.0	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 18:29	191-24-2	
Benzo(k)fluoranthene	1.1	mg/kg	0.038	0.0083	1	06/20/17 17:00	06/22/17 18:29	207-08-9	
Chrysene	1.5	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 18:29	218-01-9	
Dibenz(a,h)anthracene	0.33	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 18:29	53-70-3	
Fluoranthene	2.6	mg/kg	0.038	0.013	1	06/20/17 17:00	06/22/17 18:29	206-44-0	
Fluorene	0.034 I	mg/kg	0.038	0.017	1	06/20/17 17:00	06/22/17 18:29	86-73-7	
Indeno(1,2,3-cd)pyrene	0.97	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 18:29	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 18:29	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.038	0.016	1	06/20/17 17:00	06/22/17 18:29	91-57-6	
Naphthalene	0.016 I	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 18:29	91-20-3	
Phenanthrene	0.079	mg/kg	0.038	0.015	1	06/20/17 17:00	06/22/17 18:29	85-01-8	
Pyrene	2.9	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 18:29	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	16-123		1	06/20/17 17:00	06/22/17 18:29	4165-60-0	
2-Fluorobiphenyl (S)	59	%	32-129		1	06/20/17 17:00	06/22/17 18:29	321-60-8	
Terphenyl-d14 (S)	50	%	38-138		1	06/20/17 17:00	06/22/17 18:29	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-15 (0-6") **Lab ID: 35318779001** Collected: 06/16/17 10:12 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/22/17 01:01	71-43-2	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/22/17 01:01	100-41-4	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/22/17 01:01	1634-04-4	
Toluene	0.0025 U	mg/kg	0.0047	0.0025	1		06/22/17 01:01	108-88-3	
Xylene (Total)	0.0048 U	mg/kg	0.014	0.0048	1		06/22/17 01:01	1330-20-7	
m&p-Xylene	0.0048 U	mg/kg	0.0094	0.0048	1		06/22/17 01:01	179601-23-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/22/17 01:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/22/17 01:01	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/22/17 01:01	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/22/17 01:01	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.6	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-15 (6"-2') **Lab ID: 35318779002** Collected: 06/16/17 10:14 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	141	mg/kg	4.4	2.8	1	06/21/17 02:36	06/22/17 01:29		
Surrogates									
o-Terphenyl (S)	94	%	62-109		1	06/21/17 02:36	06/22/17 01:29	84-15-1	
N-Pentatriacontane (S)	67	%	42-159		1	06/21/17 02:36	06/22/17 01:29	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	8.5	mg/kg	0.60	0.30	1	06/20/17 06:01	06/20/17 16:56	7440-38-2	
Barium	103	mg/kg	0.60	0.30	1	06/20/17 06:01	06/20/17 16:56	7440-39-3	
Cadmium	0.83	mg/kg	0.060	0.030	1	06/20/17 06:01	06/20/17 16:56	7440-43-9	
Chromium	28.4	mg/kg	0.30	0.15	1	06/20/17 06:01	06/20/17 16:56	7440-47-3	
Lead	162	mg/kg	0.60	0.30	1	06/20/17 06:01	06/20/17 16:56	7439-92-1	
Selenium	9.0 U	mg/kg	18.0	9.0	20	06/20/17 06:01	06/21/17 03:12	7782-49-2	D3
Silver	0.15 U	mg/kg	0.30	0.15	1	06/20/17 06:01	06/20/17 16:56	7440-22-4	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.062	mg/L	0.010	0.0050	1	07/16/17 15:50	07/19/17 02:17	7440-38-2	Q
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.034	mg/kg	0.011	0.0053	1	06/22/17 09:31	06/22/17 13:15	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 17:00	06/22/17 18:51	83-32-9	
Acenaphthylene	0.40	mg/kg	0.036	0.011	1	06/20/17 17:00	06/22/17 18:51	208-96-8	
Anthracene	0.30	mg/kg	0.036	0.011	1	06/20/17 17:00	06/22/17 18:51	120-12-7	
Benzo(a)anthracene	0.57	mg/kg	0.036	0.011	1	06/20/17 17:00	06/22/17 18:51	56-55-3	
Benzo(a)pyrene	0.61	mg/kg	0.036	0.0043	1	06/20/17 17:00	06/22/17 18:51	50-32-8	
Benzo(b)fluoranthene	1.2	mg/kg	0.036	0.028	1	06/20/17 17:00	06/22/17 18:51	205-99-2	
Benzo(g,h,i)perylene	0.35	mg/kg	0.036	0.013	1	06/20/17 17:00	06/22/17 18:51	191-24-2	
Benzo(k)fluoranthene	0.44	mg/kg	0.036	0.0079	1	06/20/17 17:00	06/22/17 18:51	207-08-9	
Chrysene	0.48	mg/kg	0.036	0.013	1	06/20/17 17:00	06/22/17 18:51	218-01-9	
Dibenz(a,h)anthracene	0.11	mg/kg	0.036	0.018	1	06/20/17 17:00	06/22/17 18:51	53-70-3	
Fluoranthene	0.67	mg/kg	0.036	0.012	1	06/20/17 17:00	06/22/17 18:51	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/20/17 17:00	06/22/17 18:51	86-73-7	
Indeno(1,2,3-cd)pyrene	0.33	mg/kg	0.036	0.018	1	06/20/17 17:00	06/22/17 18:51	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/20/17 17:00	06/22/17 18:51	90-12-0	
2-Methylnaphthalene	0.020 I	mg/kg	0.036	0.015	1	06/20/17 17:00	06/22/17 18:51	91-57-6	
Naphthalene	0.014 I	mg/kg	0.036	0.012	1	06/20/17 17:00	06/22/17 18:51	91-20-3	
Phenanthrene	0.045	mg/kg	0.036	0.014	1	06/20/17 17:00	06/22/17 18:51	85-01-8	
Pyrene	0.90	mg/kg	0.036	0.018	1	06/20/17 17:00	06/22/17 18:51	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	45	%	16-123		1	06/20/17 17:00	06/22/17 18:51	4165-60-0	
2-Fluorobiphenyl (S)	62	%	32-129		1	06/20/17 17:00	06/22/17 18:51	321-60-8	
Terphenyl-d14 (S)	66	%	38-138		1	06/20/17 17:00	06/22/17 18:51	1718-51-0	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-15 (6"-2') **Lab ID: 35318779002** Collected: 06/16/17 10:14 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/22/17 01:47	71-43-2	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/22/17 01:47	100-41-4	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/22/17 01:47	1634-04-4	
Toluene	0.0026 U	mg/kg	0.0047	0.0026	1		06/22/17 01:47	108-88-3	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/22/17 01:47	1330-20-7	
m&p-Xylene	0.0049 U	mg/kg	0.0095	0.0049	1		06/22/17 01:47	179601-23-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/22/17 01:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/22/17 01:47	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/22/17 01:47	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/22/17 01:47	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.2	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Sample: SB-16 E25 (0-6") **Lab ID: 35318779003** Collected: 06/16/17 13:17 Received: 06/17/17 10:50 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.4	mg/kg	0.73	0.37	1	06/20/17 06:01	06/20/17 17:01	7440-38-2	
Lead	20.7	mg/kg	0.73	0.37	1	06/20/17 06:01	06/20/17 17:01	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.0050 U	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:14	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 U	mg/kg	0.043	0.016	1	06/20/17 17:00	06/22/17 19:14	83-32-9	
Acenaphthylene	0.077	mg/kg	0.043	0.013	1	06/20/17 17:00	06/22/17 19:14	208-96-8	
Anthracene	0.051	mg/kg	0.043	0.013	1	06/20/17 17:00	06/22/17 19:14	120-12-7	
Benzo(a)anthracene	0.13	mg/kg	0.043	0.012	1	06/20/17 17:00	06/22/17 19:14	56-55-3	
Benzo(a)pyrene	0.13	mg/kg	0.043	0.0050	1	06/20/17 17:00	06/22/17 19:14	50-32-8	
Benzo(b)fluoranthene	0.23	mg/kg	0.043	0.032	1	06/20/17 17:00	06/22/17 19:14	205-99-2	
Benzo(g,h,i)perylene	0.063	mg/kg	0.043	0.015	1	06/20/17 17:00	06/22/17 19:14	191-24-2	
Benzo(k)fluoranthene	0.068	mg/kg	0.043	0.0093	1	06/20/17 17:00	06/22/17 19:14	207-08-9	
Chrysene	0.10	mg/kg	0.043	0.015	1	06/20/17 17:00	06/22/17 19:14	218-01-9	
Dibenz(a,h)anthracene	0.024 I	mg/kg	0.043	0.022	1	06/20/17 17:00	06/22/17 19:14	53-70-3	
Fluoranthene	0.23	mg/kg	0.043	0.014	1	06/20/17 17:00	06/22/17 19:14	206-44-0	
Fluorene	0.019 U	mg/kg	0.043	0.019	1	06/20/17 17:00	06/22/17 19:14	86-73-7	
Indeno(1,2,3-cd)pyrene	0.065	mg/kg	0.043	0.022	1	06/20/17 17:00	06/22/17 19:14	193-39-5	
1-Methylnaphthalene	0.015 U	mg/kg	0.043	0.015	1	06/20/17 17:00	06/22/17 19:14	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.043	0.017	1	06/20/17 17:00	06/22/17 19:14	91-57-6	
Naphthalene	0.014 U	mg/kg	0.043	0.014	1	06/20/17 17:00	06/22/17 19:14	91-20-3	
Phenanthrene	0.025 I	mg/kg	0.043	0.016	1	06/20/17 17:00	06/22/17 19:14	85-01-8	
Pyrene	0.25	mg/kg	0.043	0.022	1	06/20/17 17:00	06/22/17 19:14	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	30	%	16-123		1	06/20/17 17:00	06/22/17 19:14	4165-60-0	
2-Fluorobiphenyl (S)	60	%	32-129		1	06/20/17 17:00	06/22/17 19:14	321-60-8	
Terphenyl-d14 (S)	50	%	38-138		1	06/20/17 17:00	06/22/17 19:14	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0064	0.0035	1		06/22/17 02:33	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0064	0.0035	1		06/22/17 02:33	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	75-35-4	
1,1-Dichloropropene	0.0033 U	mg/kg	0.0064	0.0033	1		06/22/17 02:33	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	120-82-1	
1,2,4-Trimethylbenzene	0.0036 U	mg/kg	0.0064	0.0036	1		06/22/17 02:33	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E25 (0-6") **Lab ID: 35318779003** Collected: 06/16/17 13:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	78-87-5	
1,3,5-Trimethylbenzene	0.0037 U	mg/kg	0.0064	0.0037	1		06/22/17 02:33	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	541-73-1	
1,3-Dichloropropane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0064	0.0033	1		06/22/17 02:33	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	108-10-1	
Acetone	0.30	mg/kg	0.026	0.013	1		06/22/17 02:33	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.064	0.032	1		06/22/17 02:33	75-05-8	
Benzene	0.0033 U	mg/kg	0.0064	0.0033	1		06/22/17 02:33	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	75-25-2	J(L2)
Bromomethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	108-90-7	
Chloroethane	0.0046 U	mg/kg	0.0064	0.0046	1		06/22/17 02:33	75-00-3	
Chloroform	0.0038 U	mg/kg	0.0064	0.0038	1		06/22/17 02:33	67-66-3	
Chloromethane	0.0036 U	mg/kg	0.0064	0.0036	1		06/22/17 02:33	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0064	0.0034	1		06/22/17 02:33	75-71-8	J(L1)
Ethylbenzene	0.0036 U	mg/kg	0.0064	0.0036	1		06/22/17 02:33	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0064	0.0037	1		06/22/17 02:33	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	75-09-2	
Styrene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	127-18-4	
Toluene	0.0035 U	mg/kg	0.0064	0.0035	1		06/22/17 02:33	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0064	0.0036	1		06/22/17 02:33	79-01-6	
Trichlorofluoromethane	0.0035 U	mg/kg	0.0064	0.0035	1		06/22/17 02:33	75-69-4	J(L1)
Vinyl acetate	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	108-05-4	
Vinyl chloride	0.0034 U	mg/kg	0.0064	0.0034	1		06/22/17 02:33	75-01-4	
Xylene (Total)	0.0066 U	mg/kg	0.019	0.0066	1		06/22/17 02:33	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	10061-01-5	
m&p-Xylene	0.0066 U	mg/kg	0.013	0.0066	1		06/22/17 02:33	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E25 (0-6") **Lab ID: 35318779003** Collected: 06/16/17 13:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0039 U	mg/kg	0.0064	0.0039	1		06/22/17 02:33	104-51-8	
n-Propylbenzene	0.0034 U	mg/kg	0.0064	0.0034	1		06/22/17 02:33	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0064	0.0033	1		06/22/17 02:33	95-47-6	
p-Isopropyltoluene	0.0039 U	mg/kg	0.0064	0.0039	1		06/22/17 02:33	99-87-6	
sec-Butylbenzene	0.0037 U	mg/kg	0.0064	0.0037	1		06/22/17 02:33	135-98-8	
tert-Butylbenzene	0.0037 U	mg/kg	0.0064	0.0037	1		06/22/17 02:33	98-06-6	
trans-1,2-Dichloroethene	0.0039 U	mg/kg	0.0064	0.0039	1		06/22/17 02:33	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0064	0.0032	1		06/22/17 02:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/22/17 02:33	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/22/17 02:33	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/22/17 02:33	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	22.7	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E50 (6"-2') **Lab ID: 35318779004** Collected: 06/16/17 13:34 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	148	mg/kg	0.63	0.31	1	06/20/17 06:01	06/20/17 17:05	7440-38-2	
Lead	236	mg/kg	0.63	0.31	1	06/20/17 06:01	06/20/17 17:05	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.063	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:24	7440-38-2	
Lead	0.037	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:24	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.087	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 19:37	83-32-9	
Acenaphthylene	1.1	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 19:37	208-96-8	
Anthracene	1.2	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 19:37	120-12-7	
Benzo(a)anthracene	2.6	mg/kg	0.038	0.011	1	06/20/17 17:00	06/22/17 19:37	56-55-3	
Benzo(a)pyrene	2.2	mg/kg	0.038	0.0045	1	06/20/17 17:00	06/22/17 19:37	50-32-8	
Benzo(b)fluoranthene	3.0	mg/kg	0.19	0.15	5	06/20/17 17:00	06/23/17 14:00	205-99-2	
Benzo(g,h,i)perylene	1.2	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 19:37	191-24-2	
Benzo(k)fluoranthene	1.5	mg/kg	0.038	0.0083	1	06/20/17 17:00	06/22/17 19:37	207-08-9	
Chrysene	2.5	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 19:37	218-01-9	
Dibenz(a,h)anthracene	0.42	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 19:37	53-70-3	
Fluoranthene	3.1	mg/kg	0.038	0.013	1	06/20/17 17:00	06/22/17 19:37	206-44-0	
Fluorene	0.11	mg/kg	0.038	0.017	1	06/20/17 17:00	06/22/17 19:37	86-73-7	
Indeno(1,2,3-cd)pyrene	1.2	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 19:37	193-39-5	
1-Methylnaphthalene	0.13	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 19:37	90-12-0	
2-Methylnaphthalene	0.31	mg/kg	0.038	0.016	1	06/20/17 17:00	06/22/17 19:37	91-57-6	
Naphthalene	0.84	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 19:37	91-20-3	
Phenanthrene	1.0	mg/kg	0.038	0.015	1	06/20/17 17:00	06/22/17 19:37	85-01-8	
Pyrene	2.9	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 19:37	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	35	%	16-123		1	06/20/17 17:00	06/22/17 19:37	4165-60-0	
2-Fluorobiphenyl (S)	53	%	32-129		1	06/20/17 17:00	06/22/17 19:37	321-60-8	
Terphenyl-d14 (S)	38	%	38-138		1	06/20/17 17:00	06/22/17 19:37	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/22/17 02:56	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/22/17 02:56	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/22/17 02:56	95-63-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: **SB-16 E50 (6"-2')** Lab ID: **35318779004** Collected: 06/16/17 13:34 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/22/17 02:56	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0051	0.0027	1		06/22/17 02:56	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	108-10-1	
Acetone	0.20	mg/kg	0.020	0.010	1		06/22/17 02:56	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.051	0.026	1		06/22/17 02:56	75-05-8	
Benzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	75-25-2	J(L2)
Bromomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0051	0.0037	1		06/22/17 02:56	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0051	0.0030	1		06/22/17 02:56	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0051	0.0029	1		06/22/17 02:56	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0051	0.0027	1		06/22/17 02:56	75-71-8	J(L1)
Ethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/22/17 02:56	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0051	0.0030	1		06/22/17 02:56	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	75-09-2	
Styrene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	127-18-4	
Toluene	0.0028 U	mg/kg	0.0051	0.0028	1		06/22/17 02:56	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0051	0.0029	1		06/22/17 02:56	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0051	0.0028	1		06/22/17 02:56	75-69-4	J(L1)
Vinyl acetate	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0051	0.0028	1		06/22/17 02:56	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.015	0.0053	1		06/22/17 02:56	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	10061-01-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E50 (6"-2') **Lab ID: 35318779004** Collected: 06/16/17 13:34 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/22/17 02:56	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0051	0.0031	1		06/22/17 02:56	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0051	0.0027	1		06/22/17 02:56	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0051	0.0031	1		06/22/17 02:56	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0051	0.0030	1		06/22/17 02:56	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/22/17 02:56	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0051	0.0031	1		06/22/17 02:56	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		06/22/17 02:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/22/17 02:56	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/22/17 02:56	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/22/17 02:56	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.5	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Sample: SB-16 E50 (0-6") **Lab ID: 35318779005** Collected: 06/16/17 13:32 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.1	mg/kg	0.65	0.33	1	06/20/17 06:01	06/20/17 17:09	7440-38-2	
Lead	26.4	mg/kg	0.65	0.33	1	06/20/17 06:01	06/20/17 17:09	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/20/17 17:44									
Arsenic	0.0050 U	mg/L	0.010	0.0050	1	07/21/17 11:16	07/22/17 09:43	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 20:00	83-32-9	
Acenaphthylene	0.22	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 20:00	208-96-8	
Anthracene	0.17	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 20:00	120-12-7	
Benzo(a)anthracene	0.41	mg/kg	0.038	0.011	1	06/20/17 17:00	06/22/17 20:00	56-55-3	
Benzo(a)pyrene	0.39	mg/kg	0.038	0.0045	1	06/20/17 17:00	06/22/17 20:00	50-32-8	
Benzo(b)fluoranthene	0.55	mg/kg	0.038	0.029	1	06/20/17 17:00	06/22/17 20:00	205-99-2	
Benzo(g,h,i)perylene	0.25	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 20:00	191-24-2	
Benzo(k)fluoranthene	0.26	mg/kg	0.038	0.0083	1	06/20/17 17:00	06/22/17 20:00	207-08-9	
Chrysene	0.40	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 20:00	218-01-9	
Dibenz(a,h)anthracene	0.074	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 20:00	53-70-3	
Fluoranthene	0.52	mg/kg	0.038	0.013	1	06/20/17 17:00	06/22/17 20:00	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/20/17 17:00	06/22/17 20:00	86-73-7	
Indeno(1,2,3-cd)pyrene	0.22	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 20:00	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.038	0.014	1	06/20/17 17:00	06/22/17 20:00	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.038	0.016	1	06/20/17 17:00	06/22/17 20:00	91-57-6	
Naphthalene	0.037 I	mg/kg	0.038	0.012	1	06/20/17 17:00	06/22/17 20:00	91-20-3	
Phenanthrene	0.10	mg/kg	0.038	0.015	1	06/20/17 17:00	06/22/17 20:00	85-01-8	
Pyrene	0.44	mg/kg	0.038	0.019	1	06/20/17 17:00	06/22/17 20:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	24	%	16-123		1	06/20/17 17:00	06/22/17 20:00	4165-60-0	
2-Fluorobiphenyl (S)	61	%	32-129		1	06/20/17 17:00	06/22/17 20:00	321-60-8	
Terphenyl-d14 (S)	42	%	38-138		1	06/20/17 17:00	06/22/17 20:00	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/22/17 03:19	71-55-6	
1,1,2,2-Tetrachloroethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	79-34-5	
1,1,2-Trichloroethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/22/17 03:19	75-34-3	
1,1-Dichloroethene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	563-58-6	
1,2,3-Trichlorobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	87-61-6	
1,2,3-Trichloropropane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	96-18-4	
1,2,3-Trimethylbenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	526-73-8	N2
1,2,4-Trichlorobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	120-82-1	
1,2,4-Trimethylbenzene	0.0031 U	mg/kg	0.0055	0.0031	1		06/22/17 03:19	95-63-6	
1,2-Dichlorobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E50 (0-6") **Lab ID: 35318779005** Collected: 06/16/17 13:32 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	107-06-2	
1,2-Dichloropropane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	78-87-5	
1,3,5-Trimethylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/22/17 03:19	108-67-8	
1,3-Dichlorobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	541-73-1	
1,3-Dichloropropane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	142-28-9	
1,4-Dichlorobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	106-46-7	
2,2-Dichloropropane	0.0029 U	mg/kg	0.0055	0.0029	1		06/22/17 03:19	594-20-7	
2-Butanone (MEK)	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	95-49-8	
2-Hexanone	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	591-78-6	
4-Chlorotoluene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	108-10-1	
Acetone	0.20	mg/kg	0.022	0.011	1		06/22/17 03:19	67-64-1	
Acetonitrile	0.028 U	mg/kg	0.055	0.028	1		06/22/17 03:19	75-05-8	
Benzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	71-43-2	
Bromobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	108-86-1	
Bromochloromethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	74-97-5	
Bromodichloromethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	75-27-4	
Bromoform	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	75-25-2	J(L2)
Bromomethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	74-83-9	
Carbon disulfide	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	75-15-0	
Carbon tetrachloride	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	56-23-5	
Chlorobenzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	108-90-7	
Chloroethane	0.0040 U	mg/kg	0.0055	0.0040	1		06/22/17 03:19	75-00-3	
Chloroform	0.0033 U	mg/kg	0.0055	0.0033	1		06/22/17 03:19	67-66-3	
Chloromethane	0.0031 U	mg/kg	0.0055	0.0031	1		06/22/17 03:19	74-87-3	
Dibromochloromethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	124-48-1	
Dibromomethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0055	0.0029	1		06/22/17 03:19	75-71-8	J(L1)
Ethylbenzene	0.0031 U	mg/kg	0.0055	0.0031	1		06/22/17 03:19	100-41-4	
Iodomethane	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	74-88-4	
Isopropylbenzene (Cumene)	0.0032 U	mg/kg	0.0055	0.0032	1		06/22/17 03:19	98-82-8	
Methyl-tert-butyl ether	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	1634-04-4	
Methylene Chloride	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	75-09-2	
Styrene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	100-42-5	
Tetrachloroethene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	127-18-4	
Toluene	0.0030 U	mg/kg	0.0055	0.0030	1		06/22/17 03:19	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0055	0.0031	1		06/22/17 03:19	79-01-6	
Trichlorofluoromethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/22/17 03:19	75-69-4	J(L1)
Vinyl acetate	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	108-05-4	
Vinyl chloride	0.0030 U	mg/kg	0.0055	0.0030	1		06/22/17 03:19	75-01-4	
Xylene (Total)	0.0057 U	mg/kg	0.017	0.0057	1		06/22/17 03:19	1330-20-7	
cis-1,2-Dichloroethene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	156-59-2	
cis-1,3-Dichloropropene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	10061-01-5	
m&p-Xylene	0.0057 U	mg/kg	0.011	0.0057	1		06/22/17 03:19	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E50 (0-6") **Lab ID: 35318779005** Collected: 06/16/17 13:32 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0033 U	mg/kg	0.0055	0.0033	1		06/22/17 03:19	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0055	0.0029	1		06/22/17 03:19	103-65-1	
o-Xylene	0.0029 U	mg/kg	0.0055	0.0029	1		06/22/17 03:19	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0055	0.0033	1		06/22/17 03:19	99-87-6	
sec-Butylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/22/17 03:19	135-98-8	
tert-Butylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/22/17 03:19	98-06-6	
trans-1,2-Dichloroethene	0.0034 U	mg/kg	0.0055	0.0034	1		06/22/17 03:19	156-60-5	
trans-1,3-Dichloropropene	0.0028 U	mg/kg	0.0055	0.0028	1		06/22/17 03:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/22/17 03:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/22/17 03:19	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/22/17 03:19	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.9	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E25 (6"-2') **Lab ID: 35318779006** Collected: 06/16/17 13:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.2	mg/kg	0.59	0.29	1	06/20/17 06:01	06/20/17 17:13	7440-38-2	
Lead	56.3	mg/kg	0.59	0.29	1	06/20/17 06:01	06/20/17 17:13	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.015	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:39	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.044 U	mg/kg	0.12	0.044	1	06/21/17 04:20	06/22/17 07:53	83-32-9	D3
Acenaphthylene	0.26	mg/kg	0.12	0.037	1	06/21/17 04:20	06/22/17 07:53	208-96-8	D3
Anthracene	0.12	mg/kg	0.12	0.036	1	06/21/17 04:20	06/22/17 07:53	120-12-7	D3
Benzo(a)anthracene	0.65	mg/kg	0.12	0.034	1	06/21/17 04:20	06/22/17 07:53	56-55-3	D3
Benzo(a)pyrene	0.64	mg/kg	0.12	0.014	1	06/21/17 04:20	06/22/17 07:53	50-32-8	D3
Benzo(b)fluoranthene	0.98	mg/kg	0.12	0.090	1	06/21/17 04:20	06/22/17 07:53	205-99-2	D3
Benzo(g,h,i)perylene	0.40	mg/kg	0.12	0.043	1	06/21/17 04:20	06/22/17 07:53	191-24-2	D3
Benzo(k)fluoranthene	0.36	mg/kg	0.12	0.026	1	06/21/17 04:20	06/22/17 07:53	207-08-9	D3
Chrysene	0.61	mg/kg	0.12	0.042	1	06/21/17 04:20	06/22/17 07:53	218-01-9	D3
Dibenz(a,h)anthracene	0.14	mg/kg	0.12	0.060	1	06/21/17 04:20	06/22/17 07:53	53-70-3	D3
Fluoranthene	0.73	mg/kg	0.12	0.039	1	06/21/17 04:20	06/22/17 07:53	206-44-0	D3
Fluorene	0.054 U	mg/kg	0.12	0.054	1	06/21/17 04:20	06/22/17 07:53	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.35	mg/kg	0.12	0.060	1	06/21/17 04:20	06/22/17 07:53	193-39-5	D3
1-Methylnaphthalene	0.042 U	mg/kg	0.12	0.042	1	06/21/17 04:20	06/22/17 07:53	90-12-0	D3
2-Methylnaphthalene	0.048 U	mg/kg	0.12	0.048	1	06/21/17 04:20	06/22/17 07:53	91-57-6	D3
Naphthalene	0.038 U	mg/kg	0.12	0.038	1	06/21/17 04:20	06/22/17 07:53	91-20-3	D3
Phenanthrene	0.099 I	mg/kg	0.12	0.045	1	06/21/17 04:20	06/22/17 07:53	85-01-8	D3
Pyrene	0.71	mg/kg	0.12	0.060	1	06/21/17 04:20	06/22/17 07:53	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	70	%	16-123		1	06/21/17 04:20	06/22/17 07:53	4165-60-0	
2-Fluorobiphenyl (S)	59	%	32-129		1	06/21/17 04:20	06/22/17 07:53	321-60-8	
Terphenyl-d14 (S)	34	%	38-138		1	06/21/17 04:20	06/22/17 07:53	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/22/17 03:42	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/22/17 03:42	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0054	0.0028	1		06/22/17 03:42	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0054	0.0030	1		06/22/17 03:42	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: **SB-16 E25 (6"-2')** Lab ID: **35318779006** Collected: 06/16/17 13:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/22/17 03:42	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0054	0.0028	1		06/22/17 03:42	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	108-10-1	
Acetone	0.13	mg/kg	0.022	0.011	1		06/22/17 03:42	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.054	0.027	1		06/22/17 03:42	75-05-8	
Benzene	0.0028 U	mg/kg	0.0054	0.0028	1		06/22/17 03:42	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	75-25-2	J(L2)
Bromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	108-90-7	
Chloroethane	0.0039 U	mg/kg	0.0054	0.0039	1		06/22/17 03:42	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0054	0.0032	1		06/22/17 03:42	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/22/17 03:42	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/22/17 03:42	75-71-8	J(L1)
Ethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/22/17 03:42	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0054	0.0031	1		06/22/17 03:42	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	75-09-2	
Styrene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	127-18-4	
Toluene	0.0029 U	mg/kg	0.0054	0.0029	1		06/22/17 03:42	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0054	0.0031	1		06/22/17 03:42	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/22/17 03:42	75-69-4	J(L1)
Vinyl acetate	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0054	0.0029	1		06/22/17 03:42	75-01-4	
Xylene (Total)	0.0056 U	mg/kg	0.016	0.0056	1		06/22/17 03:42	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	10061-01-5	
m&p-Xylene	0.0056 U	mg/kg	0.011	0.0056	1		06/22/17 03:42	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-16 E25 (6"-2') **Lab ID: 35318779006** Collected: 06/16/17 13:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0033 U	mg/kg	0.0054	0.0033	1		06/22/17 03:42	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0054	0.0029	1		06/22/17 03:42	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0054	0.0028	1		06/22/17 03:42	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0054	0.0033	1		06/22/17 03:42	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/22/17 03:42	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/22/17 03:42	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0054	0.0033	1		06/22/17 03:42	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/22/17 03:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/22/17 03:42	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-131		1		06/22/17 03:42	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/22/17 03:42	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.5	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 E25 (0-6") **Lab ID: 35318779007** Collected: 06/16/17 14:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.4	mg/kg	1.7	0.84	2	06/20/17 06:01	06/20/17 17:17	7440-38-2	
Lead	30.9	mg/kg	1.7	0.84	2	06/20/17 06:01	06/20/17 17:17	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.0050 U	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:44	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.027 U	mg/kg	0.074	0.027	1	06/21/17 04:20	06/22/17 20:22	83-32-9	D3
Acenaphthylene	0.023 U	mg/kg	0.074	0.023	1	06/21/17 04:20	06/22/17 20:22	208-96-8	D3
Anthracene	0.023 U	mg/kg	0.074	0.023	1	06/21/17 04:20	06/22/17 20:22	120-12-7	D3
Benzo(a)anthracene	0.039 I	mg/kg	0.074	0.021	1	06/21/17 04:20	06/22/17 20:22	56-55-3	D3
Benzo(a)pyrene	0.029 I	mg/kg	0.074	0.0086	1	06/21/17 04:20	06/22/17 20:22	50-32-8	D3,V
Benzo(b)fluoranthene	0.056 U	mg/kg	0.074	0.056	1	06/21/17 04:20	06/22/17 20:22	205-99-2	D3
Benzo(g,h,i)perylene	0.027 U	mg/kg	0.074	0.027	1	06/21/17 04:20	06/22/17 20:22	191-24-2	D3
Benzo(k)fluoranthene	0.020 I	mg/kg	0.074	0.016	1	06/21/17 04:20	06/22/17 20:22	207-08-9	D3
Chrysene	0.026 U	mg/kg	0.074	0.026	1	06/21/17 04:20	06/22/17 20:22	218-01-9	D3
Dibenz(a,h)anthracene	0.037 U	mg/kg	0.074	0.037	1	06/21/17 04:20	06/22/17 20:22	53-70-3	D3
Fluoranthene	0.024 U	mg/kg	0.074	0.024	1	06/21/17 04:20	06/22/17 20:22	206-44-0	D3
Fluorene	0.033 U	mg/kg	0.074	0.033	1	06/21/17 04:20	06/22/17 20:22	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.037 U	mg/kg	0.074	0.037	1	06/21/17 04:20	06/22/17 20:22	193-39-5	D3
1-Methylnaphthalene	0.026 U	mg/kg	0.074	0.026	1	06/21/17 04:20	06/22/17 20:22	90-12-0	D3
2-Methylnaphthalene	0.030 U	mg/kg	0.074	0.030	1	06/21/17 04:20	06/22/17 20:22	91-57-6	D3
Naphthalene	0.024 U	mg/kg	0.074	0.024	1	06/21/17 04:20	06/22/17 20:22	91-20-3	D3
Phenanthrene	0.028 U	mg/kg	0.074	0.028	1	06/21/17 04:20	06/22/17 20:22	85-01-8	D3
Pyrene	0.037 U	mg/kg	0.074	0.037	1	06/21/17 04:20	06/22/17 20:22	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	30	%	16-123		1	06/21/17 04:20	06/22/17 20:22	4165-60-0	
2-Fluorobiphenyl (S)	69	%	32-129		1	06/21/17 04:20	06/22/17 20:22	321-60-8	
Terphenyl-d14 (S)	40	%	38-138		1	06/21/17 04:20	06/22/17 20:22	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	630-20-6	
1,1,1-Trichloroethane	0.0042 U	mg/kg	0.0077	0.0042	1		06/22/17 04:05	71-55-6	
1,1,2,2-Tetrachloroethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	79-34-5	
1,1,2-Trichloroethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	79-00-5	
1,1-Dichloroethane	0.0042 U	mg/kg	0.0077	0.0042	1		06/22/17 04:05	75-34-3	
1,1-Dichloroethene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	75-35-4	
1,1-Dichloropropene	0.0039 U	mg/kg	0.0077	0.0039	1		06/22/17 04:05	563-58-6	
1,2,3-Trichlorobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	87-61-6	
1,2,3-Trichloropropane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	96-18-4	
1,2,3-Trimethylbenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	526-73-8	N2
1,2,4-Trichlorobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	120-82-1	
1,2,4-Trimethylbenzene	0.0043 U	mg/kg	0.0077	0.0043	1		06/22/17 04:05	95-63-6	
1,2-Dichlorobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 E25 (0-6") **Lab ID: 35318779007** Collected: 06/16/17 14:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	107-06-2	
1,2-Dichloropropane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	78-87-5	
1,3,5-Trimethylbenzene	0.0044 U	mg/kg	0.0077	0.0044	1		06/22/17 04:05	108-67-8	
1,3-Dichlorobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	541-73-1	
1,3-Dichloropropane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	142-28-9	
1,4-Dichlorobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	106-46-7	
2,2-Dichloropropane	0.0040 U	mg/kg	0.0077	0.0040	1		06/22/17 04:05	594-20-7	
2-Butanone (MEK)	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	78-93-3	
2-Chlorotoluene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	95-49-8	
2-Hexanone	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	591-78-6	
4-Chlorotoluene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	108-10-1	
Acetone	0.24	mg/kg	0.031	0.015	1		06/22/17 04:05	67-64-1	
Acetonitrile	0.038 U	mg/kg	0.077	0.038	1		06/22/17 04:05	75-05-8	
Benzene	0.0039 U	mg/kg	0.0077	0.0039	1		06/22/17 04:05	71-43-2	
Bromobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	108-86-1	
Bromochloromethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	74-97-5	
Bromodichloromethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	75-27-4	
Bromoform	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	75-25-2	J(L2)
Bromomethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	74-83-9	
Carbon disulfide	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	75-15-0	
Carbon tetrachloride	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	56-23-5	
Chlorobenzene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	108-90-7	
Chloroethane	0.0055 U	mg/kg	0.0077	0.0055	1		06/22/17 04:05	75-00-3	
Chloroform	0.0045 U	mg/kg	0.0077	0.0045	1		06/22/17 04:05	67-66-3	
Chloromethane	0.0043 U	mg/kg	0.0077	0.0043	1		06/22/17 04:05	74-87-3	
Dibromochloromethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	124-48-1	
Dibromomethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	74-95-3	
Dichlorodifluoromethane	0.0041 U	mg/kg	0.0077	0.0041	1		06/22/17 04:05	75-71-8	J(L1)
Ethylbenzene	0.0043 U	mg/kg	0.0077	0.0043	1		06/22/17 04:05	100-41-4	
Iodomethane	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	74-88-4	
Isopropylbenzene (Cumene)	0.0044 U	mg/kg	0.0077	0.0044	1		06/22/17 04:05	98-82-8	
Methyl-tert-butyl ether	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	1634-04-4	
Methylene Chloride	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	75-09-2	
Styrene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	100-42-5	
Tetrachloroethene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	127-18-4	
Toluene	0.0041 U	mg/kg	0.0077	0.0041	1		06/22/17 04:05	108-88-3	
Trichloroethene	0.0043 U	mg/kg	0.0077	0.0043	1		06/22/17 04:05	79-01-6	
Trichlorofluoromethane	0.0042 U	mg/kg	0.0077	0.0042	1		06/22/17 04:05	75-69-4	J(L1)
Vinyl acetate	0.0039 U	mg/kg	0.0077	0.0039	1		06/22/17 04:05	108-05-4	
Vinyl chloride	0.0041 U	mg/kg	0.0077	0.0041	1		06/22/17 04:05	75-01-4	
Xylene (Total)	0.0079 U	mg/kg	0.023	0.0079	1		06/22/17 04:05	1330-20-7	
cis-1,2-Dichloroethene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	156-59-2	
cis-1,3-Dichloropropene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	10061-01-5	
m&p-Xylene	0.0079 U	mg/kg	0.015	0.0079	1		06/22/17 04:05	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 E25 (0-6") **Lab ID: 35318779007** Collected: 06/16/17 14:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0046 U	mg/kg	0.0077	0.0046	1		06/22/17 04:05	104-51-8	
n-Propylbenzene	0.0040 U	mg/kg	0.0077	0.0040	1		06/22/17 04:05	103-65-1	
o-Xylene	0.0040 U	mg/kg	0.0077	0.0040	1		06/22/17 04:05	95-47-6	
p-Isopropyltoluene	0.0046 U	mg/kg	0.0077	0.0046	1		06/22/17 04:05	99-87-6	
sec-Butylbenzene	0.0044 U	mg/kg	0.0077	0.0044	1		06/22/17 04:05	135-98-8	
tert-Butylbenzene	0.0044 U	mg/kg	0.0077	0.0044	1		06/22/17 04:05	98-06-6	
trans-1,2-Dichloroethene	0.0047 U	mg/kg	0.0077	0.0047	1		06/22/17 04:05	156-60-5	
trans-1,3-Dichloropropene	0.0038 U	mg/kg	0.0077	0.0038	1		06/22/17 04:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/22/17 04:05	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-131		1		06/22/17 04:05	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/22/17 04:05	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	33.8	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 E25 (6"-2') **Lab ID: 35318779008** Collected: 06/16/17 14:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.7	mg/kg	0.65	0.33	1	06/20/17 06:01	06/20/17 17:21	7440-38-2	
Lead	122	mg/kg	0.65	0.33	1	06/20/17 06:01	06/20/17 17:21	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.0050 U	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:49	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.049 U	mg/kg	0.13	0.049	1	06/21/17 04:20	06/22/17 20:45	83-32-9	D3
Acenaphthylene	0.11 I	mg/kg	0.13	0.042	1	06/21/17 04:20	06/22/17 20:45	208-96-8	D3
Anthracene	0.13 I	mg/kg	0.13	0.041	1	06/21/17 04:20	06/22/17 20:45	120-12-7	D3
Benzo(a)anthracene	0.24	mg/kg	0.13	0.039	1	06/21/17 04:20	06/22/17 20:45	56-55-3	D3
Benzo(a)pyrene	0.16	mg/kg	0.13	0.016	1	06/21/17 04:20	06/22/17 20:45	50-32-8	D3
Benzo(b)fluoranthene	0.28	mg/kg	0.13	0.10	1	06/21/17 04:20	06/22/17 20:45	205-99-2	D3
Benzo(g,h,i)perylene	0.11 I	mg/kg	0.13	0.048	1	06/21/17 04:20	06/22/17 20:45	191-24-2	D3
Benzo(k)fluoranthene	0.13 I	mg/kg	0.13	0.029	1	06/21/17 04:20	06/22/17 20:45	207-08-9	D3
Chrysene	0.17	mg/kg	0.13	0.048	1	06/21/17 04:20	06/22/17 20:45	218-01-9	D3
Dibenz(a,h)anthracene	0.067 U	mg/kg	0.13	0.067	1	06/21/17 04:20	06/22/17 20:45	53-70-3	D3
Fluoranthene	0.14	mg/kg	0.13	0.044	1	06/21/17 04:20	06/22/17 20:45	206-44-0	D3
Fluorene	0.060 U	mg/kg	0.13	0.060	1	06/21/17 04:20	06/22/17 20:45	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.089 I	mg/kg	0.13	0.067	1	06/21/17 04:20	06/22/17 20:45	193-39-5	D3
1-Methylnaphthalene	0.047 U	mg/kg	0.13	0.047	1	06/21/17 04:20	06/22/17 20:45	90-12-0	D3
2-Methylnaphthalene	0.054 U	mg/kg	0.13	0.054	1	06/21/17 04:20	06/22/17 20:45	91-57-6	D3
Naphthalene	0.043 U	mg/kg	0.13	0.043	1	06/21/17 04:20	06/22/17 20:45	91-20-3	D3
Phenanthrene	0.051 U	mg/kg	0.13	0.051	1	06/21/17 04:20	06/22/17 20:45	85-01-8	D3
Pyrene	0.13 I	mg/kg	0.13	0.067	1	06/21/17 04:20	06/22/17 20:45	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	13	%	16-123		1	06/21/17 04:20	06/22/17 20:45	4165-60-0	J(S0)
2-Fluorobiphenyl (S)	45	%	32-129		1	06/21/17 04:20	06/22/17 20:45	321-60-8	
Terphenyl-d14 (S)	44	%	38-138		1	06/21/17 04:20	06/22/17 20:45	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/22/17 04:28	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	79-00-5	
1,1-Dichloroethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/22/17 04:28	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	75-35-4	
1,1-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	120-82-1	
1,2,4-Trimethylbenzene	0.0035 U	mg/kg	0.0063	0.0035	1		06/22/17 04:28	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Sample: SB-17 E25 (6"-2') **Lab ID: 35318779008** Collected: 06/16/17 14:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	78-87-5	
1,3,5-Trimethylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/22/17 04:28	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	541-73-1	
1,3-Dichloropropane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0063	0.0033	1		06/22/17 04:28	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	108-10-1	
Acetone	0.25	mg/kg	0.025	0.013	1		06/22/17 04:28	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.063	0.032	1		06/22/17 04:28	75-05-8	
Benzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	75-25-2	J(L2)
Bromomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	108-90-7	
Chloroethane	0.0045 U	mg/kg	0.0063	0.0045	1		06/22/17 04:28	75-00-3	
Chloroform	0.0037 U	mg/kg	0.0063	0.0037	1		06/22/17 04:28	67-66-3	
Chloromethane	0.0035 U	mg/kg	0.0063	0.0035	1		06/22/17 04:28	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/22/17 04:28	75-71-8	J(L1)
Ethylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/22/17 04:28	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0063	0.0037	1		06/22/17 04:28	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	75-09-2	
Styrene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	127-18-4	
Toluene	0.0034 U	mg/kg	0.0063	0.0034	1		06/22/17 04:28	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0063	0.0036	1		06/22/17 04:28	79-01-6	
Trichlorofluoromethane	0.0034 U	mg/kg	0.0063	0.0034	1		06/22/17 04:28	75-69-4	J(L1)
Vinyl acetate	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	108-05-4	
Vinyl chloride	0.0034 U	mg/kg	0.0063	0.0034	1		06/22/17 04:28	75-01-4	
Xylene (Total)	0.0065 U	mg/kg	0.019	0.0065	1		06/22/17 04:28	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	10061-01-5	
m&p-Xylene	0.0065 U	mg/kg	0.013	0.0065	1		06/22/17 04:28	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 E25 (6"-2') **Lab ID: 35318779008** Collected: 06/16/17 14:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0038 U	mg/kg	0.0063	0.0038	1		06/22/17 04:28	104-51-8	
n-Propylbenzene	0.0033 U	mg/kg	0.0063	0.0033	1		06/22/17 04:28	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0063	0.0033	1		06/22/17 04:28	95-47-6	
p-Isopropyltoluene	0.0038 U	mg/kg	0.0063	0.0038	1		06/22/17 04:28	99-87-6	
sec-Butylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/22/17 04:28	135-98-8	
tert-Butylbenzene	0.0036 U	mg/kg	0.0063	0.0036	1		06/22/17 04:28	98-06-6	
trans-1,2-Dichloroethene	0.0038 U	mg/kg	0.0063	0.0038	1		06/22/17 04:28	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0063	0.0032	1		06/22/17 04:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/22/17 04:28	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-131		1		06/22/17 04:28	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/22/17 04:28	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	26.8	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 W50 (0-6") **Lab ID: 35318779009** Collected: 06/16/17 14:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.0	mg/kg	0.61	0.31	1	06/18/17 16:50	06/19/17 17:26	7440-38-2	
Lead	726	mg/kg	0.61	0.31	1	06/18/17 16:50	06/19/17 17:26	7439-92-1	
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 07/20/17 17:44									
Arsenic	0.10 U	mg/L	0.20	0.10	1	07/21/17 16:00	07/23/17 04:59	7440-38-2	Q
Lead	0.050 U	mg/L	0.10	0.050	1	07/21/17 16:00	07/23/17 04:59	7439-92-1	Q
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.065 U	mg/kg	0.18	0.065	5	06/21/17 04:20	06/22/17 21:08	83-32-9	
Acenaphthylene	0.23	mg/kg	0.18	0.056	5	06/21/17 04:20	06/22/17 21:08	208-96-8	
Anthracene	0.18	mg/kg	0.18	0.055	5	06/21/17 04:20	06/22/17 21:08	120-12-7	
Benzo(a)anthracene	0.21	mg/kg	0.18	0.052	5	06/21/17 04:20	06/22/17 21:08	56-55-3	
Benzo(a)pyrene	0.23	mg/kg	0.18	0.021	5	06/21/17 04:20	06/22/17 21:08	50-32-8	V
Benzo(b)fluoranthene	0.32	mg/kg	0.18	0.13	5	06/21/17 04:20	06/22/17 21:08	205-99-2	
Benzo(g,h,i)perylene	0.16 I	mg/kg	0.18	0.064	5	06/21/17 04:20	06/22/17 21:08	191-24-2	V
Benzo(k)fluoranthene	0.18	mg/kg	0.18	0.039	5	06/21/17 04:20	06/22/17 21:08	207-08-9	
Chrysene	0.17 I	mg/kg	0.18	0.064	5	06/21/17 04:20	06/22/17 21:08	218-01-9	
Dibenz(a,h)anthracene	0.090 U	mg/kg	0.18	0.090	5	06/21/17 04:20	06/22/17 21:08	53-70-3	
Fluoranthene	0.22	mg/kg	0.18	0.058	5	06/21/17 04:20	06/22/17 21:08	206-44-0	
Fluorene	0.081 U	mg/kg	0.18	0.081	5	06/21/17 04:20	06/22/17 21:08	86-73-7	
Indeno(1,2,3-cd)pyrene	0.12 I	mg/kg	0.18	0.090	5	06/21/17 04:20	06/22/17 21:08	193-39-5	
1-Methylnaphthalene	0.063 U	mg/kg	0.18	0.063	5	06/21/17 04:20	06/22/17 21:08	90-12-0	
2-Methylnaphthalene	0.073 U	mg/kg	0.18	0.073	5	06/21/17 04:20	06/22/17 21:08	91-57-6	
Naphthalene	0.058 U	mg/kg	0.18	0.058	5	06/21/17 04:20	06/22/17 21:08	91-20-3	
Phenanthrene	0.068 U	mg/kg	0.18	0.068	5	06/21/17 04:20	06/22/17 21:08	85-01-8	
Pyrene	0.22	mg/kg	0.18	0.090	5	06/21/17 04:20	06/22/17 21:08	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	33	%	16-123		5	06/21/17 04:20	06/22/17 21:08	4165-60-0	
2-Fluorobiphenyl (S)	94	%	32-129		5	06/21/17 04:20	06/22/17 21:08	321-60-8	
Terphenyl-d14 (S)	56	%	38-138		5	06/21/17 04:20	06/22/17 21:08	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	630-20-6	
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	71-55-6	
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	79-00-5	
1,1-Dichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	75-34-3	
1,1-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	75-35-4	
1,1-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	563-58-6	
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	526-73-8	N2
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	120-82-1	
1,2,4-Trimethylbenzene	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	95-63-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 W50 (0-6") **Lab ID: 35318779009** Collected: 06/16/17 14:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	95-50-1	
1,2-Dichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	107-06-2	
1,2-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	78-87-5	
1,3,5-Trimethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/22/17 04:51	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	541-73-1	
1,3-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	142-28-9	
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0042	0.0022	1		06/22/17 04:51	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	108-10-1	
Acetone	0.11	mg/kg	0.017	0.0084	1		06/22/17 04:51	67-64-1	
Acetonitrile	0.021 U	mg/kg	0.042	0.021	1		06/22/17 04:51	75-05-8	
Benzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	74-97-5	
Bromodichloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	75-25-2	J(L2)
Bromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	108-90-7	
Chloroethane	0.0030 U	mg/kg	0.0042	0.0030	1		06/22/17 04:51	75-00-3	
Chloroform	0.0025 U	mg/kg	0.0042	0.0025	1		06/22/17 04:51	67-66-3	
Chloromethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	74-95-3	
Dichlorodifluoromethane	0.0022 U	mg/kg	0.0042	0.0022	1		06/22/17 04:51	75-71-8	J(L1)
Ethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/22/17 04:51	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	74-88-4	
Isopropylbenzene (Cumene)	0.0024 U	mg/kg	0.0042	0.0024	1		06/22/17 04:51	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	75-09-2	
Styrene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	127-18-4	
Toluene	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0042	0.0024	1		06/22/17 04:51	79-01-6	
Trichlorofluoromethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	75-69-4	J(L1)
Vinyl acetate	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	108-05-4	
Vinyl chloride	0.0023 U	mg/kg	0.0042	0.0023	1		06/22/17 04:51	75-01-4	
Xylene (Total)	0.0043 U	mg/kg	0.013	0.0043	1		06/22/17 04:51	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	156-59-2	
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 W50 (0-6") **Lab ID: 35318779009** Collected: 06/16/17 14:17 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0043 U	mg/kg	0.0084	0.0043	1		06/22/17 04:51	179601-23-1	
n-Butylbenzene	0.0025 U	mg/kg	0.0042	0.0025	1		06/22/17 04:51	104-51-8	
n-Propylbenzene	0.0022 U	mg/kg	0.0042	0.0022	1		06/22/17 04:51	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0042	0.0022	1		06/22/17 04:51	95-47-6	
p-Isopropyltoluene	0.0025 U	mg/kg	0.0042	0.0025	1		06/22/17 04:51	99-87-6	
sec-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/22/17 04:51	135-98-8	
tert-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/22/17 04:51	98-06-6	
trans-1,2-Dichloroethene	0.0026 U	mg/kg	0.0042	0.0026	1		06/22/17 04:51	156-60-5	
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/22/17 04:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/22/17 04:51	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-131		1		06/22/17 04:51	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/22/17 04:51	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.2	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 W50 (6"-2') **Lab ID: 35318779010** Collected: 06/16/17 14:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	10.0	mg/kg	0.60	0.30	1	06/18/17 16:50	06/19/17 17:30	7440-38-2	
Lead	51.1	mg/kg	0.60	0.30	1	06/18/17 16:50	06/19/17 17:30	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.021	mg/L	0.010	0.0050	1	07/16/17 00:00	07/18/17 11:54	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/21/17 04:20	06/22/17 21:30	83-32-9	
Acenaphthylene	0.051	mg/kg	0.036	0.011	1	06/21/17 04:20	06/22/17 21:30	208-96-8	
Anthracene	0.052	mg/kg	0.036	0.011	1	06/21/17 04:20	06/22/17 21:30	120-12-7	
Benzo(a)anthracene	0.074	mg/kg	0.036	0.010	1	06/21/17 04:20	06/22/17 21:30	56-55-3	
Benzo(a)pyrene	0.076	mg/kg	0.036	0.0042	1	06/21/17 04:20	06/22/17 21:30	50-32-8	V
Benzo(b)fluoranthene	0.13	mg/kg	0.036	0.027	1	06/21/17 04:20	06/22/17 21:30	205-99-2	
Benzo(g,h,i)perylene	0.057	mg/kg	0.036	0.013	1	06/21/17 04:20	06/22/17 21:30	191-24-2	V
Benzo(k)fluoranthene	0.051	mg/kg	0.036	0.0078	1	06/21/17 04:20	06/22/17 21:30	207-08-9	
Chrysene	0.082	mg/kg	0.036	0.013	1	06/21/17 04:20	06/22/17 21:30	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/21/17 04:20	06/22/17 21:30	53-70-3	
Fluoranthene	0.086	mg/kg	0.036	0.012	1	06/21/17 04:20	06/22/17 21:30	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/21/17 04:20	06/22/17 21:30	86-73-7	
Indeno(1,2,3-cd)pyrene	0.049	mg/kg	0.036	0.018	1	06/21/17 04:20	06/22/17 21:30	193-39-5	
1-Methylnaphthalene	0.018 I	mg/kg	0.036	0.013	1	06/21/17 04:20	06/22/17 21:30	90-12-0	
2-Methylnaphthalene	0.020 I	mg/kg	0.036	0.015	1	06/21/17 04:20	06/22/17 21:30	91-57-6	
Naphthalene	0.017 I	mg/kg	0.036	0.012	1	06/21/17 04:20	06/22/17 21:30	91-20-3	
Phenanthrene	0.034 I	mg/kg	0.036	0.014	1	06/21/17 04:20	06/22/17 21:30	85-01-8	
Pyrene	0.080	mg/kg	0.036	0.018	1	06/21/17 04:20	06/22/17 21:30	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	35	%	16-123		1	06/21/17 04:20	06/22/17 21:30	4165-60-0	
2-Fluorobiphenyl (S)	80	%	32-129		1	06/21/17 04:20	06/22/17 21:30	321-60-8	
Terphenyl-d14 (S)	54	%	38-138		1	06/21/17 04:20	06/22/17 21:30	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/23/17 01:38	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/23/17 01:38	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/23/17 01:38	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 W50 (6"-2') **Lab ID: 35318779010** Collected: 06/16/17 14:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/23/17 01:38	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0053	0.0028	1		06/23/17 01:38	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	108-10-1	
Acetone	0.11	mg/kg	0.021	0.011	1		06/23/17 01:38	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.053	0.027	1		06/23/17 01:38	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/23/17 01:38	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0053	0.0032	1		06/23/17 01:38	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/23/17 01:38	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/23/17 01:38	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/23/17 01:38	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/23/17 01:38	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	75-09-2	J(L1)
Styrene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	127-18-4	
Toluene	0.0029 U	mg/kg	0.0053	0.0029	1		06/23/17 01:38	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/23/17 01:38	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/23/17 01:38	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0053	0.0029	1		06/23/17 01:38	75-01-4	
Xylene (Total)	0.0055 U	mg/kg	0.016	0.0055	1		06/23/17 01:38	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	10061-01-5	
m&p-Xylene	0.0055 U	mg/kg	0.011	0.0055	1		06/23/17 01:38	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-17 W50 (6"-2') **Lab ID: 35318779010** Collected: 06/16/17 14:19 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/23/17 01:38	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/23/17 01:38	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0053	0.0028	1		06/23/17 01:38	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/23/17 01:38	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/23/17 01:38	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/23/17 01:38	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0053	0.0033	1		06/23/17 01:38	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/23/17 01:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/23/17 01:38	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/23/17 01:38	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 01:38	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.1	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-7 (0-6") **Lab ID: 35318779011** Collected: 06/16/17 15:45 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	7.5 U	mg/kg	11.7	7.5	1	06/21/17 02:36	06/22/17 01:53		
Surrogates									
o-Terphenyl (S)	99	%	62-109		1	06/21/17 02:36	06/22/17 01:53	84-15-1	
N-Pentatriacontane (S)	67	%	42-159		1	06/21/17 02:36	06/22/17 01:53	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.7	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 17:35	7440-38-2	
Barium	15.8	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 17:35	7440-39-3	
Cadmium	0.13	mg/kg	0.063	0.032	1	06/18/17 16:50	06/19/17 17:35	7440-43-9	
Chromium	9.4	mg/kg	0.32	0.16	1	06/18/17 16:50	06/19/17 17:35	7440-47-3	
Lead	6.6	mg/kg	0.63	0.32	1	06/18/17 16:50	06/19/17 17:35	7439-92-1	
Selenium	2.4 U	mg/kg	4.7	2.4	5	06/18/17 16:50	06/20/17 05:27	7782-49-2	D3
Silver	0.16 U	mg/kg	0.32	0.16	1	06/18/17 16:50	06/19/17 17:35	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.10	mg/kg	0.011	0.0057	1	06/22/17 09:31	06/22/17 13:17	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.044 U	mg/kg	0.12	0.044	1	06/21/17 04:20	06/22/17 21:53	83-32-9	D3
Acenaphthylene	0.037 U	mg/kg	0.12	0.037	1	06/21/17 04:20	06/22/17 21:53	208-96-8	D3
Anthracene	0.036 U	mg/kg	0.12	0.036	1	06/21/17 04:20	06/22/17 21:53	120-12-7	D3
Benzo(a)anthracene	0.034 U	mg/kg	0.12	0.034	1	06/21/17 04:20	06/22/17 21:53	56-55-3	D3
Benzo(a)pyrene	0.019 I	mg/kg	0.12	0.014	1	06/21/17 04:20	06/22/17 21:53	50-32-8	D3,V
Benzo(b)fluoranthene	0.090 U	mg/kg	0.12	0.090	1	06/21/17 04:20	06/22/17 21:53	205-99-2	D3
Benzo(g,h,i)perylene	0.043 U	mg/kg	0.12	0.043	1	06/21/17 04:20	06/22/17 21:53	191-24-2	D3
Benzo(k)fluoranthene	0.026 U	mg/kg	0.12	0.026	1	06/21/17 04:20	06/22/17 21:53	207-08-9	D3
Chrysene	0.042 U	mg/kg	0.12	0.042	1	06/21/17 04:20	06/22/17 21:53	218-01-9	D3
Dibenz(a,h)anthracene	0.060 U	mg/kg	0.12	0.060	1	06/21/17 04:20	06/22/17 21:53	53-70-3	D3
Fluoranthene	0.039 U	mg/kg	0.12	0.039	1	06/21/17 04:20	06/22/17 21:53	206-44-0	D3
Fluorene	0.054 U	mg/kg	0.12	0.054	1	06/21/17 04:20	06/22/17 21:53	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.060 U	mg/kg	0.12	0.060	1	06/21/17 04:20	06/22/17 21:53	193-39-5	D3
1-Methylnaphthalene	0.042 U	mg/kg	0.12	0.042	1	06/21/17 04:20	06/22/17 21:53	90-12-0	D3
2-Methylnaphthalene	0.048 U	mg/kg	0.12	0.048	1	06/21/17 04:20	06/22/17 21:53	91-57-6	D3
Naphthalene	0.038 U	mg/kg	0.12	0.038	1	06/21/17 04:20	06/22/17 21:53	91-20-3	D3
Phenanthrene	0.045 U	mg/kg	0.12	0.045	1	06/21/17 04:20	06/22/17 21:53	85-01-8	D3
Pyrene	0.060 U	mg/kg	0.12	0.060	1	06/21/17 04:20	06/22/17 21:53	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	35	%	16-123		1	06/21/17 04:20	06/22/17 21:53	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/21/17 04:20	06/22/17 21:53	321-60-8	
Terphenyl-d14 (S)	40	%	38-138		1	06/21/17 04:20	06/22/17 21:53	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
Benzene	0.0031 U	mg/kg	0.0060	0.0031	1		06/22/17 05:38	71-43-2	
Ethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/22/17 05:38	100-41-4	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0060	0.0030	1		06/22/17 05:38	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-7 (0-6") **Lab ID: 35318779011** Collected: 06/16/17 15:45 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0033 U	mg/kg	0.0060	0.0033	1		06/22/17 05:38	108-88-3	
Xylene (Total)	0.0062 U	mg/kg	0.018	0.0062	1		06/22/17 05:38	1330-20-7	
m&p-Xylene	0.0062 U	mg/kg	0.012	0.0062	1		06/22/17 05:38	179601-23-1	
o-Xylene	0.0031 U	mg/kg	0.0060	0.0031	1		06/22/17 05:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/22/17 05:38	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-131		1		06/22/17 05:38	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/22/17 05:38	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	18.3	%	0.10	0.10	1		06/24/17 07:48		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-7 (6"-2') **Lab ID: 35318779012** Collected: 06/16/17 15:47 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	4.5 I	mg/kg	4.7	3.0	1	06/21/17 02:36	06/22/17 01:53		
Surrogates									
o-Terphenyl (S)	99	%	62-109		1	06/21/17 02:36	06/22/17 01:53	84-15-1	
N-Pentatriacontane (S)	73	%	42-159		1	06/21/17 02:36	06/22/17 01:53	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	27.2	mg/kg	0.58	0.29	1	06/18/17 16:50	06/19/17 17:39	7440-38-2	
Barium	21.6	mg/kg	0.58	0.29	1	06/18/17 16:50	06/19/17 17:39	7440-39-3	
Cadmium	0.17 I	mg/kg	0.29	0.15	5	06/18/17 16:50	06/20/17 05:32	7440-43-9	D3
Chromium	4.7	mg/kg	0.29	0.15	1	06/18/17 16:50	06/19/17 17:39	7440-47-3	
Lead	60.9	mg/kg	2.9	1.5	5	06/18/17 16:50	06/20/17 05:32	7439-92-1	D3
Selenium	0.44 U	mg/kg	0.87	0.44	1	06/18/17 16:50	06/19/17 17:39	7782-49-2	
Silver	0.73 U	mg/kg	1.5	0.73	5	06/18/17 16:50	06/20/17 05:32	7440-22-4	D3
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.045	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:07	7440-38-2	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.056	mg/kg	0.011	0.0054	1	06/22/17 09:31	06/22/17 13:20	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/21/17 04:20	06/22/17 22:15	83-32-9	
Acenaphthylene	0.036 I	mg/kg	0.039	0.012	1	06/21/17 04:20	06/22/17 22:15	208-96-8	
Anthracene	0.032 I	mg/kg	0.039	0.012	1	06/21/17 04:20	06/22/17 22:15	120-12-7	
Benzo(a)anthracene	0.11	mg/kg	0.039	0.011	1	06/21/17 04:20	06/22/17 22:15	56-55-3	
Benzo(a)pyrene	0.072	mg/kg	0.039	0.0046	1	06/21/17 04:20	06/22/17 22:15	50-32-8	V
Benzo(b)fluoranthene	0.12	mg/kg	0.039	0.029	1	06/21/17 04:20	06/22/17 22:15	205-99-2	
Benzo(g,h,i)perylene	0.042	mg/kg	0.039	0.014	1	06/21/17 04:20	06/22/17 22:15	191-24-2	V
Benzo(k)fluoranthene	0.056	mg/kg	0.039	0.0084	1	06/21/17 04:20	06/22/17 22:15	207-08-9	
Chrysene	0.085	mg/kg	0.039	0.014	1	06/21/17 04:20	06/22/17 22:15	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.039	0.020	1	06/21/17 04:20	06/22/17 22:15	53-70-3	
Fluoranthene	0.089	mg/kg	0.039	0.013	1	06/21/17 04:20	06/22/17 22:15	206-44-0	
Fluorene	0.018 U	mg/kg	0.039	0.018	1	06/21/17 04:20	06/22/17 22:15	86-73-7	
Indeno(1,2,3-cd)pyrene	0.036 I	mg/kg	0.039	0.020	1	06/21/17 04:20	06/22/17 22:15	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.039	0.014	1	06/21/17 04:20	06/22/17 22:15	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.039	0.016	1	06/21/17 04:20	06/22/17 22:15	91-57-6	
Naphthalene	0.013 U	mg/kg	0.039	0.013	1	06/21/17 04:20	06/22/17 22:15	91-20-3	
Phenanthrene	0.020 I	mg/kg	0.039	0.015	1	06/21/17 04:20	06/22/17 22:15	85-01-8	
Pyrene	0.083	mg/kg	0.039	0.020	1	06/21/17 04:20	06/22/17 22:15	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	32	%	16-123		1	06/21/17 04:20	06/22/17 22:15	4165-60-0	
2-Fluorobiphenyl (S)	58	%	32-129		1	06/21/17 04:20	06/22/17 22:15	321-60-8	
Terphenyl-d14 (S)	28	%	38-138		1	06/21/17 04:20	06/22/17 22:15	1718-51-0	J(S0)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

Sample: SB-7 (6"-2') **Lab ID: 35318779012** Collected: 06/16/17 15:47 Received: 06/17/17 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/22/17 06:01	71-43-2	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/22/17 06:01	100-41-4	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0053	0.0026	1		06/22/17 06:01	1634-04-4	
Toluene	0.0028 U	mg/kg	0.0053	0.0028	1		06/22/17 06:01	108-88-3	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/22/17 06:01	1330-20-7	
m&p-Xylene	0.0054 U	mg/kg	0.011	0.0054	1		06/22/17 06:01	179601-23-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/22/17 06:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/22/17 06:01	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-131		1		06/22/17 06:01	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/22/17 06:01	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.4	%	0.10	0.10	1		06/24/17 07:48		

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 376564

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 35318779001, 35318779002, 35318779011, 35318779012

METHOD BLANK: 2039334

Matrix: Solid

Associated Lab Samples: 35318779001, 35318779002, 35318779011, 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0047 U	0.0093	0.0047	06/22/17 12:36	

LABORATORY CONTROL SAMPLE: 2039335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.097	0.090	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2039336 2039337

Parameter	Units	35317573001		2039336		2039337		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Mercury	mg/kg	0.60	11.7	11.8	11.2	11.3	90	91	80-120	1	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

QC Batch: 375667 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35318779009, 35318779010, 35318779011, 35318779012

METHOD BLANK: 2034385 Matrix: Solid
Associated Lab Samples: 35318779009, 35318779010, 35318779011, 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.26 U	0.51	0.26	06/20/17 01:13	
Barium	mg/kg	0.26 U	0.51	0.26	06/20/17 01:13	
Cadmium	mg/kg	0.026 U	0.051	0.026	06/20/17 01:13	
Chromium	mg/kg	0.13 U	0.26	0.13	06/20/17 01:13	
Lead	mg/kg	0.26 U	0.51	0.26	06/20/17 01:13	
Selenium	mg/kg	0.38 U	0.77	0.38	06/20/17 01:13	
Silver	mg/kg	0.13 U	0.26	0.13	06/20/17 01:13	

LABORATORY CONTROL SAMPLE: 2034386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	11.4	11.4	100	80-120	
Barium	mg/kg	11.4	12.9	113	80-120	
Cadmium	mg/kg	1.1	1.2	110	80-120	
Chromium	mg/kg	11.4	12.9	113	80-120	
Lead	mg/kg	11.4	12.4	109	80-120	
Selenium	mg/kg	11.4	11.1	98	80-120	
Silver	mg/kg	1.1	1.4	120	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2034387 2034388

Parameter	Units	35317781001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Arsenic	mg/kg	5.2	12.9	13.7	16.6	18.7	88	99	75-125	12	20		
Barium	mg/kg	16.2	12.9	13.7	27.9	28.1	91	87	75-125	0	20		
Cadmium	mg/kg	1.8	1.3	1.3	1.4	1.5	-28	-17	75-125	9	20	J(M1)	
Chromium	mg/kg	4.9	12.9	13.7	19.5	20.0	113	110	75-125	3	20		
Lead	mg/kg	19.7	12.9	13.7	30.2	28.3	81	63	75-125	6	20	J(M1)	
Selenium	mg/kg	0.94 U	12.9	13.7	14.2	15.8	110	116	75-125	11	20		
Silver	mg/kg	0.31 U	1.3	1.3	1.7	1.9	135	138	75-125	8	20	J(M1)	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 375948 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
 Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005, 35318779006, 35318779007, 35318779008

METHOD BLANK: 2035777 Matrix: Solid
 Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005, 35318779006, 35318779007, 35318779008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Barium	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Cadmium	mg/kg	0.031 U	0.062	0.031	06/20/17 13:00	
Chromium	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	
Lead	mg/kg	0.31 U	0.62	0.31	06/20/17 13:00	
Selenium	mg/kg	0.46 U	0.93	0.46	06/20/17 13:00	
Silver	mg/kg	0.15 U	0.31	0.15	06/20/17 13:00	

LABORATORY CONTROL SAMPLE: 2035778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	13.8	13.5	98	80-120	
Barium	mg/kg	13.8	14.8	107	80-120	
Cadmium	mg/kg	1.4	1.4	104	80-120	
Chromium	mg/kg	13.8	15.2	109	80-120	
Lead	mg/kg	13.8	14.7	106	80-120	
Selenium	mg/kg	13.8	13.2	95	80-120	
Silver	mg/kg	1.4	1.6	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035779 2035780

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35318456025 Result	Spike Conc.	Spike Conc.	Result						
Arsenic	mg/kg	1.7	16	18.1	20.2	116	2	75-125	164	20	J(M1), J(R1)
Barium	mg/kg	12.6	16	18.1	30.6	112	1	75-125	82	20	J(M1), J(R1)
Cadmium	mg/kg	0.15 U	1.7	1.8	1.6	96	2	75-125	173	20	J(M1), J(R1)
Chromium	mg/kg	6.7	16	18.1	22.5	99	-2	75-125	112	20	J(M1), J(R1)
Lead	mg/kg	9.7	16	18.1	24.6	93	-2	75-125	90	20	J(M1), J(R1)
Selenium	mg/kg	0.45 U	16	18.1	17.2	107	0	75-125		20	J(M1)
Silver	mg/kg	0.75 U	1.7	1.8	2.0	126	0	75-125		20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 379527

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET SPLP

Associated Lab Samples: 35318779012

METHOD BLANK: 2057214

Matrix: Water

Associated Lab Samples: 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/08/17 21:55	

LABORATORY CONTROL SAMPLE & LCSD: 2057215

2057220

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/L	.25	0.26	0.27	104	108	80-120	3	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch:	381244	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET SPLP
Associated Lab Samples:	35318779001, 35318779002		

METHOD BLANK: 2068876 Matrix: Water

Associated Lab Samples: 35318779001, 35318779002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/18/17 13:45	

LABORATORY CONTROL SAMPLE & LCSD: 2068877 2068878

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/L	.25	0.27	0.26	107	106	80-120	2	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 381245

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET SPLP

Associated Lab Samples: 35318779003, 35318779004, 35318779006, 35318779007, 35318779008, 35318779010

METHOD BLANK: 2068879

Matrix: Water

Associated Lab Samples: 35318779003, 35318779004, 35318779006, 35318779007, 35318779008, 35318779010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/18/17 10:59	
Lead	mg/L	0.0050 U	0.010	0.0050	07/18/17 10:59	

LABORATORY CONTROL SAMPLE & LCSD: 2068880

2068883

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/L	.25	0.27	0.26	106	103	80-120	3	20	
Lead	mg/L	.25	0.28	0.27	110	107	80-120	3	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 382457

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET SPLP

Associated Lab Samples: 35318779005

METHOD BLANK: 2075454

Matrix: Water

Associated Lab Samples: 35318779005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/22/17 09:33	

LABORATORY CONTROL SAMPLE: 2075455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.25	0.26	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2075456 2075457

Parameter	Units	2075456		2075457		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Arsenic	mg/L	0.0050 U	.25	.25	0.26	0.26	103	102	75-125	1	20

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

QC Batch: 382535 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 35318779009

METHOD BLANK: 2075789 Matrix: Water
Associated Lab Samples: 35318779009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.10 U	0.20	0.10	07/22/17 21:58	
Lead	mg/L	0.050 U	0.10	0.050	07/22/17 21:58	

LABORATORY CONTROL SAMPLE: 2075790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	106	80-120	
Lead	mg/L	2.5	2.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2075791 2075792

Parameter	Units	35318779009		2075791		2075792		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Arsenic	mg/L	0.10 U	2.5	2.5	2.5	2.6	98	75-125	4	20	
Lead	mg/L	0.050 U	2.5	2.5	2.5	2.5	97	75-125	3	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 376472 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
 Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005, 35318779006, 35318779007, 35318779008, 35318779009, 35318779011, 35318779012

METHOD BLANK: 2038488 Matrix: Solid
 Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005, 35318779006, 35318779007, 35318779008, 35318779009, 35318779011, 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/22/17 00:15	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/22/17 00:15	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/22/17 00:15	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/22/17 00:15	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/22/17 00:15	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Acetone	mg/kg	0.0099 U	0.020	0.0099	06/22/17 00:15	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/22/17 00:15	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/22/17 00:15	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/22/17 00:15	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/22/17 00:15	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

METHOD BLANK: 2038488

Matrix: Solid

Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005, 35318779006, 35318779007, 35318779008, 35318779009, 35318779011, 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/22/17 00:15	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/22/17 00:15	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/22/17 00:15	
m&p-Xylene	mg/kg	0.0051 U	0.0099	0.0051	06/22/17 00:15	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/22/17 00:15	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/22/17 00:15	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/22/17 00:15	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/22/17 00:15	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/22/17 00:15	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/22/17 00:15	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/22/17 00:15	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/22/17 00:15	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/22/17 00:15	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/22/17 00:15	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/22/17 00:15	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/22/17 00:15	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/22/17 00:15	
1,2-Dichloroethane-d4 (S)	%	96	80-131		06/22/17 00:15	
4-Bromofluorobenzene (S)	%	98	55-148		06/22/17 00:15	
Toluene-d8 (S)	%	101	84-117		06/22/17 00:15	

LABORATORY CONTROL SAMPLE: 2038490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	99	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.022	109	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.019	97	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.022	109	70-130	
1,1-Dichloroethane	mg/kg	.02	0.021	106	69-130	
1,1-Dichloroethene	mg/kg	.02	0.023	117	67-130	
1,1-Dichloropropene	mg/kg	.02	0.023	113	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	106	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	91	67-130 N2	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

LABORATORY CONTROL SAMPLE: 2038490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	.02	0.019	97	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.018	92	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,2-Dichloroethane	mg/kg	.02	0.022	113	70-130	
1,2-Dichloropropane	mg/kg	.02	0.021	104	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	95	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	98	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	106	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.019	97	70-130	
2,2-Dichloropropane	mg/kg	.02	0.020	101	70-130	
2-Butanone (MEK)	mg/kg	.04	0.037	94	51-161	
2-Chlorotoluene	mg/kg	.02	0.019	95	70-130	
2-Hexanone	mg/kg	.04	0.032	80	59-137	
4-Chlorotoluene	mg/kg	.02	0.019	97	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.037	92	64-143	
Acetone	mg/kg	.04	0.055	137	32-175	
Acetonitrile	mg/kg	.2	0.18	91	68-131	
Benzene	mg/kg	.02	0.022	113	70-130	
Bromobenzene	mg/kg	.02	0.018	92	70-130	
Bromochloromethane	mg/kg	.02	0.024	118	70-130	
Bromodichloromethane	mg/kg	.02	0.020	100	70-130	
Bromoform	mg/kg	.02	0.013	66	70-130 J(L2)	
Bromomethane	mg/kg	.02	0.020	102	42-156	
Carbon disulfide	mg/kg	.02	0.015	78	49-152	
Carbon tetrachloride	mg/kg	.02	0.020	102	65-132	
Chlorobenzene	mg/kg	.02	0.021	104	70-130	
Chloroethane	mg/kg	.02	0.025	125	56-146	
Chloroform	mg/kg	.02	0.022	110	69-130	
Chloromethane	mg/kg	.02	0.022	111	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	108	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.020	102	70-130	
Dibromochloromethane	mg/kg	.02	0.018	89	70-130	
Dibromomethane	mg/kg	.02	0.022	110	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.028	141	58-138 J(L1)	
Ethylbenzene	mg/kg	.02	0.020	103	70-130	
Iodomethane	mg/kg	.04	0.043	108	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.020	102	70-130	
m&p-Xylene	mg/kg	.04	0.040	99	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.018	88	70-130	
Methylene Chloride	mg/kg	.02	0.028	139	40-159	
n-Butylbenzene	mg/kg	.02	0.018	91	70-130	
n-Propylbenzene	mg/kg	.02	0.020	98	70-130	
o-Xylene	mg/kg	.02	0.019	97	70-130	
p-Isopropyltoluene	mg/kg	.02	0.018	91	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	98	70-130	
Styrene	mg/kg	.02	0.020	100	70-130	
tert-Butylbenzene	mg/kg	.02	0.019	95	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

LABORATORY CONTROL SAMPLE: 2038490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.020	102	63-130	
Toluene	mg/kg	.02	0.021	104	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.025	125	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	95	70-130	
Trichloroethene	mg/kg	.02	0.023	114	69-130	
Trichlorofluoromethane	mg/kg	.02	0.028	142	67-130	J(L1)
Vinyl acetate	mg/kg	.02	0.019	94	53-146	
Vinyl chloride	mg/kg	.02	0.021	108	67-130	
Xylene (Total)	mg/kg	.06	0.059	99	70-130	
1,2-Dichloroethane-d4 (S)	%			102	80-131	
4-Bromofluorobenzene (S)	%			102	55-148	
Toluene-d8 (S)	%			102	84-117	

MATRIX SPIKE SAMPLE: 2039574

Parameter	Units	35318779001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0024 U	.017	0.0099	56	42-130	
1,1,1-Trichloroethane	mg/kg	0.0026 U	.017	0.017	95	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0024 U	.017	0.013	70	50-130	
1,1,2-Trichloroethane	mg/kg	0.0024 U	.017	0.016	89	59-130	
1,1-Dichloroethane	mg/kg	0.0026 U	.017	0.018	104	50-130	
1,1-Dichloroethene	mg/kg	0.0024 U	.017	0.021	116	51-130	
1,1-Dichloropropene	mg/kg	0.0024 U	.017	0.015	82	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0024 U	.017	0.0028 I	16	20-143	J(M1)
1,2,3-Trichloropropane	mg/kg	0.0024 U	.017	0.014	82	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0024 U	.017	0.0037 I	21	20-130	N2
1,2,4-Trichlorobenzene	mg/kg	0.0024 U	.017	0.0027 I	15	20-142	J(M1)
1,2,4-Trimethylbenzene	mg/kg	0.0026 U	.017	0.0034 I	19	20-133	J(M1)
1,2-Dichlorobenzene	mg/kg	0.0024 U	.017	0.0046	26	20-134	
1,2-Dichloroethane	mg/kg	0.0024 U	.017	0.018	103	57-130	
1,2-Dichloropropane	mg/kg	0.0024 U	.017	0.016	89	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0027 U	.017	0.0035 I	20	26-130	J(M1)
1,3-Dichlorobenzene	mg/kg	0.0024 U	.017	0.0041 I	23	20-133	
1,3-Dichloropropane	mg/kg	0.0024 U	.017	0.015	83	57-130	
1,4-Dichlorobenzene	mg/kg	0.0024 U	.017	0.0042 I	24	20-134	
2,2-Dichloropropane	mg/kg	0.0024 U	.017	0.016	92	35-130	
2-Butanone (MEK)	mg/kg	0.0024 U	.036	0.028	80	20-217	
2-Chlorotoluene	mg/kg	0.0024 U	.017	0.0044 I	25	26-130	J(M1)
2-Hexanone	mg/kg	0.0024 U	.036	0.023	64	20-136	
4-Chlorotoluene	mg/kg	0.0024 U	.017	0.0040 I	23	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0024 U	.036	0.029	80	21-151	
Acetone	mg/kg	0.45	.036	0.074	-1050	20-219	J(M1)
Acetonitrile	mg/kg	0.024 U	.17	0.13	75	32-150	
Benzene	mg/kg	0.0024 U	.017	0.016	90	24-141	
Bromobenzene	mg/kg	0.0024 U	.017	0.0062	35	20-138	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

MATRIX SPIKE SAMPLE: 2039574		35318779001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	mg/kg	0.0024 U	.017	0.019	106	53-141	
Bromodichloromethane	mg/kg	0.0024 U	.017	0.014	79	20-155	
Bromoform	mg/kg	0.0024 U	.017	0.0069	39	30-130	
Bromomethane	mg/kg	0.0024 U	.017	0.016	88	22-152	
Carbon disulfide	mg/kg	0.0024 U	.017	0.010	56	20-160	
Carbon tetrachloride	mg/kg	0.0024 U	.017	0.014	77	23-141	
Chlorobenzene	mg/kg	0.0024 U	.017	0.0078	44	34-130	
Chloroethane	mg/kg	0.0034 U	.017	0.019	106	43-146	
Chloroform	mg/kg	0.0028 U	.017	0.017	99	42-132	
Chloromethane	mg/kg	0.0026 U	.017	0.019	105	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0024 U	.017	0.016	92	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0024 U	.017	0.012	68	33-132	
Dibromochloromethane	mg/kg	0.0024 U	.017	0.011	62	20-151	
Dibromomethane	mg/kg	0.0024 U	.017	0.017	96	49-137	
Dichlorodifluoromethane	mg/kg	0.0025 U	.017	0.027	151	39-130 J(M0)	
Ethylbenzene	mg/kg	0.0027 U	.017	0.0063	36	30-130	
Iodomethane	mg/kg	0.0024 U	.036	0.030	84	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0027 U	.017	0.0043 I	24	28-130 J(M1)	
m&p-Xylene	mg/kg	0.0048 U	.036	0.011	31	27-150	
Methyl-tert-butyl ether	mg/kg	0.0024 U	.017	0.014	81	31-156	
Methylene Chloride	mg/kg	0.0024 U	.017	0.012	69	20-150	
n-Butylbenzene	mg/kg	0.0028 U	.017	0.0027 U	10	20-132 J(M1)	
n-Propylbenzene	mg/kg	0.0025 U	.017	0.0035 I	20	24-130 J(M1)	
o-Xylene	mg/kg	0.0024 U	.017	0.0058	33	27-150	
p-Isopropyltoluene	mg/kg	0.0028 U	.017	0.0027 U	13	20-133 J(M1)	
sec-Butylbenzene	mg/kg	0.0027 U	.017	0.0026 I	15	20-131 J(M1)	
Styrene	mg/kg	0.0024 U	.017	0.0056	32	20-137	
tert-Butylbenzene	mg/kg	0.0027 U	.017	0.0035 I	20	20-131	
Tetrachloroethene	mg/kg	0.0024 U	.017	0.0075	42	23-144	
Toluene	mg/kg	0.0025 U	.017	0.010	58	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0029 U	.017	0.015	85	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0024 U	.017	0.011	62	33-130	
Trichloroethene	mg/kg	0.0027 U	.017	0.013	72	42-130	
Trichlorofluoromethane	mg/kg	0.0026 U	.017	0.021	118	40-130	
Vinyl acetate	mg/kg	0.0024 U	.017	0.0047	26	20-156	
Vinyl chloride	mg/kg	0.0025 U	.017	0.019	106	47-130	
Xylene (Total)	mg/kg	0.0048 U	.053	0.017	32	26-130	
1,2-Dichloroethane-d4 (S)	%				101	80-131	
4-Bromofluorobenzene (S)	%				100	55-148	
Toluene-d8 (S)	%				101	84-117	

SAMPLE DUPLICATE: 2039575

Parameter	Units	35318779002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0024 U	0.0024 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

SAMPLE DUPLICATE: 2039575

Parameter	Units	35318779002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	0.0026 U	0.0027 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0024 U	0.0024 U		40	
1,1,2-Trichloroethane	mg/kg	0.0024 U	0.0024 U		40	
1,1-Dichloroethane	mg/kg	0.0026 U	0.0027 U		40	
1,1-Dichloroethene	mg/kg	0.0024 U	0.0024 U		40	
1,1-Dichloropropene	mg/kg	0.0024 U	0.0025 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0024 U	0.0024 U		40	
1,2,3-Trichloropropane	mg/kg	0.0024 U	0.0024 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0024 U	0.0024 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0024 U	0.0024 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0026 U	0.0027 U		40	
1,2-Dichlorobenzene	mg/kg	0.0024 U	0.0024 U		40	
1,2-Dichloroethane	mg/kg	0.0024 U	0.0024 U		40	
1,2-Dichloropropane	mg/kg	0.0024 U	0.0024 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0027 U	0.0028 U		40	
1,3-Dichlorobenzene	mg/kg	0.0024 U	0.0024 U		40	
1,3-Dichloropropane	mg/kg	0.0024 U	0.0024 U		40	
1,4-Dichlorobenzene	mg/kg	0.0024 U	0.0024 U		40	
2,2-Dichloropropane	mg/kg	0.0024 U	0.0025 U		40	
2-Butanone (MEK)	mg/kg	0.0024 U	0.0024 U		40	
2-Chlorotoluene	mg/kg	0.0024 U	0.0024 U		40	
2-Hexanone	mg/kg	0.0024 U	0.0024 U		40	
4-Chlorotoluene	mg/kg	0.0024 U	0.0024 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0024 U	0.0024 U		40	
Acetone	mg/kg	0.13	0.11	10	40	
Acetonitrile	mg/kg	0.024 U	0.024 U		40	
Benzene	mg/kg	0.0024 U	0.0025 U		40	
Bromobenzene	mg/kg	0.0024 U	0.0024 U		40	
Bromochloromethane	mg/kg	0.0024 U	0.0024 U		40	
Bromodichloromethane	mg/kg	0.0024 U	0.0024 U		40	
Bromoform	mg/kg	0.0024 U	0.0024 U		40	
Bromomethane	mg/kg	0.0024 U	0.0024 U		40	
Carbon disulfide	mg/kg	0.0024 U	0.0024 U		40	
Carbon tetrachloride	mg/kg	0.0024 U	0.0024 U		40	
Chlorobenzene	mg/kg	0.0024 U	0.0024 U		40	
Chloroethane	mg/kg	0.0034 U	0.0035 U		40	
Chloroform	mg/kg	0.0028 U	0.0029 U		40	
Chloromethane	mg/kg	0.0026 U	0.0027 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0024 U	0.0024 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0024 U	0.0024 U		40	
Dibromochloromethane	mg/kg	0.0024 U	0.0024 U		40	
Dibromomethane	mg/kg	0.0024 U	0.0024 U		40	
Dichlorodifluoromethane	mg/kg	0.0025 U	0.0026 U		40	
Ethylbenzene	mg/kg	0.0027 U	0.0027 U		40	
Iodomethane	mg/kg	0.0024 U	0.0024 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0027 U	0.0028 U		40	
m&p-Xylene	mg/kg	0.0049 U	0.0050 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

SAMPLE DUPLICATE: 2039575

Parameter	Units	35318779002 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	mg/kg	0.0024 U	0.0024 U		40	
Methylene Chloride	mg/kg	0.0024 U	0.0024 U		40	
n-Butylbenzene	mg/kg	0.0028 U	0.0029 U		40	
n-Propylbenzene	mg/kg	0.0025 U	0.0026 U		40	
o-Xylene	mg/kg	0.0024 U	0.0025 U		40	
p-Isopropyltoluene	mg/kg	0.0028 U	0.0029 U		40	
sec-Butylbenzene	mg/kg	0.0027 U	0.0028 U		40	
Styrene	mg/kg	0.0024 U	0.0024 U		40	
tert-Butylbenzene	mg/kg	0.0027 U	0.0028 U		40	
Tetrachloroethene	mg/kg	0.0024 U	0.0024 U		40	
Toluene	mg/kg	0.0026 U	0.0026 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0029 U	0.0030 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0024 U	0.0024 U		40	
Trichloroethene	mg/kg	0.0027 U	0.0027 U		40	
Trichlorofluoromethane	mg/kg	0.0026 U	0.0026 U		40	
Vinyl acetate	mg/kg	0.0024 U	0.0024 U		40	
Vinyl chloride	mg/kg	0.0025 U	0.0026 U		40	
Xylene (Total)	mg/kg	0.0049 U	0.0050 U		40	
1,2-Dichloroethane-d4 (S)	%	100	99	1	40	
4-Bromofluorobenzene (S)	%	97	98	4	40	
Toluene-d8 (S)	%	101	101	3	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

QC Batch: 376728 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35318779010

METHOD BLANK: 2040341 Matrix: Solid
Associated Lab Samples: 35318779010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Acetone	mg/kg	0.0099 U	0.020	0.0099	06/23/17 00:52	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/23/17 00:52	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/23/17 00:52	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

METHOD BLANK: 2040341 Matrix: Solid
Associated Lab Samples: 35318779010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
m&p-Xylene	mg/kg	0.0051 U	0.0099	0.0051	06/23/17 00:52	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Methylene Chloride	mg/kg	0.015	0.0050	0.0025	06/23/17 00:52	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 00:52	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 00:52	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 00:52	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/23/17 00:52	
1,2-Dichloroethane-d4 (S)	%	100	80-131		06/23/17 00:52	
4-Bromofluorobenzene (S)	%	99	55-148		06/23/17 00:52	
Toluene-d8 (S)	%	101	84-117		06/23/17 00:52	

LABORATORY CONTROL SAMPLE & LCSD: 2040342

Parameter	Units	2043743							Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD		
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.019	0.019	94	96	70-130	2	40	
1,1,1-Trichloroethane	mg/kg	.02	0.021	0.021	107	106	68-130	1	40	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.018	0.018	92	93	70-130	1	40	
1,1,2-Trichloroethane	mg/kg	.02	0.019	0.020	99	103	70-130	4	40	
1,1-Dichloroethane	mg/kg	.02	0.021	0.021	106	106	69-130	0	40	
1,1-Dichloroethene	mg/kg	.02	0.023	0.023	115	116	67-130	1	40	
1,1-Dichloropropene	mg/kg	.02	0.021	0.021	105	105	70-130	1	40	
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	0.020	101	100	70-130	1	40	
1,2,3-Trichloropropane	mg/kg	.02	0.019	0.020	95	100	70-130	5	40	
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	0.019	93	95	67-130	2	40	N2
1,2,4-Trichlorobenzene	mg/kg	.02	0.019	0.019	98	98	70-130	0	40	
1,2,4-Trimethylbenzene	mg/kg	.02	0.018	0.017	89	88	70-130	1	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

LABORATORY CONTROL SAMPLE & LCSD: 2040342		2043743								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dichlorobenzene	mg/kg	.02	0.019	0.019	97	96	70-130	1	40	
1,2-Dichloroethane	mg/kg	.02	0.021	0.021	107	107	70-130	0	40	
1,2-Dichloropropane	mg/kg	.02	0.020	0.020	100	100	70-130	0	40	
1,3,5-Trimethylbenzene	mg/kg	.02	0.018	0.018	93	93	70-130	0	40	
1,3-Dichlorobenzene	mg/kg	.02	0.019	0.019	98	98	70-130	0	40	
1,3-Dichloropropane	mg/kg	.02	0.019	0.020	97	101	70-130	5	40	
1,4-Dichlorobenzene	mg/kg	.02	0.019	0.019	98	97	70-130	1	40	
2,2-Dichloropropane	mg/kg	.02	0.019	0.020	98	101	70-130	4	40	
2-Butanone (MEK)	mg/kg	.039	0.035	0.036	89	91	51-161	2	40	
2-Chlorotoluene	mg/kg	.02	0.018	0.018	93	93	70-130	0	40	
2-Hexanone	mg/kg	.039	0.031	0.032	78	81	59-137	3	40	
4-Chlorotoluene	mg/kg	.02	0.018	0.018	94	94	70-130	0	40	
4-Methyl-2-pentanone (MIBK)	mg/kg	.039	0.035	0.035	88	88	64-143	0	40	
Acetone	mg/kg	.039	0.052	0.043	133	109	32-175	20	40	
Acetonitrile	mg/kg	.2	0.18	0.18	89	91	68-131	1	40	
Benzene	mg/kg	.02	0.021	0.021	105	105	70-130	0	40	
Bromobenzene	mg/kg	.02	0.018	0.018	93	94	70-130	1	40	
Bromochloromethane	mg/kg	.02	0.021	0.023	109	115	70-130	5	40	
Bromodichloromethane	mg/kg	.02	0.019	0.019	96	95	70-130	1	40	
Bromoform	mg/kg	.02	0.014	0.015	72	75	70-130	3	40	
Bromomethane	mg/kg	.02	0.013	0.013	68	66	42-156	2	40	
Carbon disulfide	mg/kg	.02	0.017	0.017	89	88	49-152	1	40	
Carbon tetrachloride	mg/kg	.02	0.020	0.019	100	96	65-132	5	40	
Chlorobenzene	mg/kg	.02	0.020	0.020	102	103	70-130	1	40	
Chloroethane	mg/kg	.02	0.023	0.023	118	117	56-146	1	40	
Chloroform	mg/kg	.02	0.021	0.021	107	107	69-130	1	40	
Chloromethane	mg/kg	.02	0.016	0.016	83	83	50-145	1	40	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	0.020	104	102	70-130	2	40	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	0.019	95	97	70-130	2	40	
Dibromochloromethane	mg/kg	.02	0.017	0.018	88	92	70-130	4	40	
Dibromomethane	mg/kg	.02	0.021	0.021	105	107	68-133	1	40	
Dichlorodifluoromethane	mg/kg	.02	0.016	0.015	81	78	58-138	4	40	
Ethylbenzene	mg/kg	.02	0.019	0.019	98	99	70-130	1	40	
Iodomethane	mg/kg	.039	0.032	0.033	80	84	59-142	4	40	
Isopropylbenzene (Cumene)	mg/kg	.02	0.019	0.020	99	100	70-130	1	40	
m&p-Xylene	mg/kg	.039	0.037	0.038	95	96	70-130	1	40	
Methyl-tert-butyl ether	mg/kg	.02	0.018	0.020	90	99	70-130	10	40	
Methylene Chloride	mg/kg	.02	0.033	0.029	170	149	40-159	13	40	J(L1)
n-Butylbenzene	mg/kg	.02	0.018	0.018	93	92	70-130	2	40	
n-Propylbenzene	mg/kg	.02	0.019	0.018	94	93	70-130	1	40	
o-Xylene	mg/kg	.02	0.018	0.018	93	93	70-130	1	40	
p-Isopropyltoluene	mg/kg	.02	0.018	0.018	93	93	70-130	0	40	
sec-Butylbenzene	mg/kg	.02	0.018	0.018	94	94	70-130	0	40	
Styrene	mg/kg	.02	0.019	0.019	97	98	70-130	1	40	
tert-Butylbenzene	mg/kg	.02	0.018	0.018	94	94	70-130	0	40	
Tetrachloroethene	mg/kg	.02	0.019	0.020	97	101	63-130	4	40	
Toluene	mg/kg	.02	0.020	0.020	100	101	70-130	1	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

LABORATORY CONTROL SAMPLE & LCSD: 2040342		2043743									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
trans-1,2-Dichloroethene	mg/kg	.02	0.024	0.023	121	115	70-130	5	40		
trans-1,3-Dichloropropene	mg/kg	.02	0.018	0.018	89	93	70-130	4	40		
Trichloroethene	mg/kg	.02	0.021	0.021	108	106	69-130	2	40		
Trichlorofluoromethane	mg/kg	.02	0.025	0.025	128	126	67-130	2	40		
Vinyl acetate	mg/kg	.02	0.017	0.017	85	88	53-146	3	40		
Vinyl chloride	mg/kg	.02	0.016	0.016	81	79	67-130	2	40		
Xylene (Total)	mg/kg	.059	0.056	0.056	94	95	70-130	1	40		
1,2-Dichloroethane-d4 (S)	%				102	102	80-131		40		
4-Bromofluorobenzene (S)	%				102	102	55-148		40		
Toluene-d8 (S)	%				103	101	84-117		40		

MATRIX SPIKE SAMPLE: 2043734		35319661001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0029 U	.02	0.0099	49	42-130	
1,1,1-Trichloroethane	mg/kg	0.0032 U	.02	0.019	92	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0029 U	.02	0.013	63	50-130	
1,1,2-Trichloroethane	mg/kg	0.0029 U	.02	0.016	78	59-130	
1,1-Dichloroethane	mg/kg	0.0032 U	.02	0.020	100	50-130	
1,1-Dichloroethene	mg/kg	0.0029 U	.02	0.022	112	51-130	
1,1-Dichloropropene	mg/kg	0.0030 U	.02	0.015	77	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	9	20-143 J(M1)	
1,2,3-Trichloropropane	mg/kg	0.0029 U	.02	0.013	64	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0029 U	.02	0.0026 I	13	20-130 J(M1),N2	
1,2,4-Trichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	7	20-142 J(M1)	
1,2,4-Trimethylbenzene	mg/kg	0.0033 U	.02	0.0028 U	11	20-133 J(M1)	
1,2-Dichlorobenzene	mg/kg	0.0029 U	.02	0.0028 I	14	20-134 J(M1)	
1,2-Dichloroethane	mg/kg	0.0029 U	.02	0.018	91	57-130	
1,2-Dichloropropane	mg/kg	0.0029 U	.02	0.016	81	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0034 U	.02	0.0029 U	13	26-130 J(M1)	
1,3-Dichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	12	20-133 J(M1)	
1,3-Dichloropropane	mg/kg	0.0029 U	.02	0.014	70	57-130	
1,4-Dichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	11	20-134 J(M1)	
2,2-Dichloropropane	mg/kg	0.0030 U	.02	0.019	94	35-130	
2-Butanone (MEK)	mg/kg	0.0029 U	.041	0.035	86	20-217	
2-Chlorotoluene	mg/kg	0.0029 U	.02	0.0032 I	16	26-130 J(M1)	
2-Hexanone	mg/kg	0.0029 U	.041	0.025	62	20-136	
4-Chlorotoluene	mg/kg	0.0029 U	.02	0.0025 U	12	21-132 J(M1)	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0029 U	.041	0.031	76	21-151	
Acetone	mg/kg	0.012 U	.041	0.041	101	20-219	
Acetonitrile	mg/kg	0.029 U	.2	0.17	82	32-150	
Benzene	mg/kg	0.0030 U	.02	0.016	80	24-141	
Bromobenzene	mg/kg	0.0029 U	.02	0.0043 I	21	20-138	
Bromochloromethane	mg/kg	0.0029 U	.02	0.020	99	53-141	
Bromodichloromethane	mg/kg	0.0029 U	.02	0.014	67	20-155	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

MATRIX SPIKE SAMPLE: 2043734		35319661001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	mg/kg	0.0029 U	.02	0.0065	32	30-130	
Bromomethane	mg/kg	0.0029 U	.02	0.016	79	22-152	
Carbon disulfide	mg/kg	0.0029 U	.02	0.012	58	20-160	
Carbon tetrachloride	mg/kg	0.0029 U	.02	0.016	78	23-141	
Chlorobenzene	mg/kg	0.0029 U	.02	0.0061	30	34-130	J(M1)
Chloroethane	mg/kg	0.0042 U	.02	0.026	129	43-146	
Chloroform	mg/kg	0.0034 U	.02	0.018	88	42-132	
Chloromethane	mg/kg	0.0033 U	.02	0.021	106	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0029 U	.02	0.016	82	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0029 U	.02	0.011	55	33-132	
Dibromochloromethane	mg/kg	0.0029 U	.02	0.010	52	20-151	
Dibromomethane	mg/kg	0.0029 U	.02	0.017	84	49-137	
Dichlorodifluoromethane	mg/kg	0.0031 U	.02	0.032	158	39-130	J(M1)
Ethylbenzene	mg/kg	0.0033 U	.02	0.0061	30	30-130	
Iodomethane	mg/kg	0.0029 U	.041	0.030	75	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0034 U	.02	0.0041 I	20	28-130	J(M1)
m&p-Xylene	mg/kg	0.0060 U	.041	0.0096 I	24	27-150	J(M1)
Methyl-tert-butyl ether	mg/kg	0.0029 U	.02	0.015	74	31-156	
Methylene Chloride	mg/kg	0.0029 U	.02	0.014	68	20-150	
n-Butylbenzene	mg/kg	0.0035 U	.02	0.0030 U	5	20-132	J(M1)
n-Propylbenzene	mg/kg	0.0031 U	.02	0.0027 I	13	24-130	J(M1)
o-Xylene	mg/kg	0.0030 U	.02	0.0051	26	27-150	J(M1)
p-Isopropyltoluene	mg/kg	0.0035 U	.02	0.0030 U	7	20-133	J(M1)
sec-Butylbenzene	mg/kg	0.0034 U	.02	0.0029 U	11	20-131	J(M1)
Styrene	mg/kg	0.0029 U	.02	0.0038 I	19	20-137	J(M1)
tert-Butylbenzene	mg/kg	0.0034 U	.02	0.0032 I	16	20-131	J(M1)
Tetrachloroethene	mg/kg	0.0029 U	.02	0.0081	40	23-144	
Toluene	mg/kg	0.0031 U	.02	0.0099	49	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0035 U	.02	0.020	100	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0029 U	.02	0.0097	48	33-130	
Trichloroethene	mg/kg	0.0033 U	.02	0.013	63	42-130	
Trichlorofluoromethane	mg/kg	0.0032 U	.02	0.031	154	40-130	J(M1)
Vinyl acetate	mg/kg	0.0029 U	.02	0.0046 I	23	20-156	
Vinyl chloride	mg/kg	0.0031 U	.02	0.024	117	47-130	
Xylene (Total)	mg/kg	0.0060 U	.06	0.0052 U	9	26-130	MS
1,2-Dichloroethane-d4 (S)	%				98	80-131	
4-Bromofluorobenzene (S)	%				99	55-148	
Toluene-d8 (S)	%				100	84-117	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch:	375947	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave Short Spike
Associated Lab Samples:	35318779001, 35318779002, 35318779003, 35318779004, 35318779005		

METHOD BLANK: 2035652 Matrix: Solid
Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/22/17 08:38	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/22/17 08:38	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/22/17 08:38	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/22/17 08:38	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/22/17 08:38	
Benzo(a)anthracene	mg/kg	0.0095 U	0.033	0.0095	06/22/17 08:38	
Benzo(a)pyrene	mg/kg	0.0038 U	0.033	0.0038	06/22/17 08:38	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/22/17 08:38	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/22/17 08:38	
Benzo(k)fluoranthene	mg/kg	0.0071 U	0.033	0.0071	06/22/17 08:38	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/22/17 08:38	
Dibenz(a,h)anthracene	mg/kg	0.016 U	0.033	0.016	06/22/17 08:38	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/22/17 08:38	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/22/17 08:38	
Indeno(1,2,3-cd)pyrene	mg/kg	0.016 U	0.033	0.016	06/22/17 08:38	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/22/17 08:38	
Phenanthrene	mg/kg	0.012 U	0.033	0.012	06/22/17 08:38	
Pyrene	mg/kg	0.016 U	0.033	0.016	06/22/17 08:38	
2-Fluorobiphenyl (S)	%	79	32-129		06/22/17 08:38	
Nitrobenzene-d5 (S)	%	73	16-123		06/22/17 08:38	
Terphenyl-d14 (S)	%	69	38-138		06/22/17 08:38	

LABORATORY CONTROL SAMPLE: 2035653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.2	73	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.2	74	16-137	
Acenaphthene	mg/kg	1.7	1.1	67	37-120	
Acenaphthylene	mg/kg	1.7	1.2	69	41-120	
Anthracene	mg/kg	1.7	1.3	75	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.2	72	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.2	73	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	72	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.3	76	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.2	72	44-126	
Chrysene	mg/kg	1.7	1.1	68	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.1	69	43-124	
Fluoranthene	mg/kg	1.7	1.1	68	45-120	
Fluorene	mg/kg	1.7	1.2	72	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.2	70	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

LABORATORY CONTROL SAMPLE: 2035653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.1	64	40-120	
Phenanthrene	mg/kg	1.7	1.2	69	36-125	
Pyrene	mg/kg	1.7	1.1	65	41-123	
2-Fluorobiphenyl (S)	%			77	32-129	
Nitrobenzene-d5 (S)	%			65	16-123	
Terphenyl-d14 (S)	%			69	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036586 2036587

Parameter	Units	35318971001		2036586		2036587		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1-Methylnaphthalene	mg/kg	0.012 U	1.7	1.7	1.0	1.1	62	67	27-123	7	40		
2-Methylnaphthalene	mg/kg	0.013 U	1.7	1.7	1.1	1.1	63	64	16-137	1	40		
Acenaphthene	mg/kg	0.012 U	1.7	1.7	0.94	1.0	56	62	37-120	10	40		
Acenaphthylene	mg/kg	0.010 U	1.7	1.7	0.96	1.0	57	62	41-120	8	40		
Anthracene	mg/kg	0.010 U	1.7	1.7	1.1	1.1	64	63	45-120	1	40		
Benzo(a)anthracene	mg/kg	0.0096 U	1.7	1.7	1.0	1.0	60	60	44-120	2	40		
Benzo(a)pyrene	mg/kg	0.015 I	1.7	1.7	1.0	1.1	61	63	44-123	3	40		
Benzo(b)fluoranthene	mg/kg	0.025 U	1.7	1.7	1.0	0.97	61	57	37-124	8	40		
Benzo(g,h,i)perylene	mg/kg	0.020 I	1.7	1.7	1.1	1.2	65	69	42-125	6	40		
Benzo(k)fluoranthene	mg/kg	0.011 I	1.7	1.7	1.1	0.97	63	57	44-126	9	40		
Chrysene	mg/kg	0.012 U	1.7	1.7	1.0	0.97	59	58	45-120	3	40		
Dibenz(a,h)anthracene	mg/kg	0.017 U	1.7	1.7	1.1	1.2	66	70	43-124	6	40		
Fluoranthene	mg/kg	0.011 U	1.7	1.7	1.0	0.92	60	54	45-120	10	40		
Fluorene	mg/kg	0.015 U	1.7	1.7	0.95	1.0	57	61	42-120	8	40		
Indeno(1,2,3-cd)pyrene	mg/kg	0.023 I	1.7	1.7	1.2	1.2	67	71	43-123	5	40		
Naphthalene	mg/kg	0.011 U	1.7	1.7	0.91	0.98	54	58	40-120	8	40		
Phenanthrene	mg/kg	0.013 U	1.7	1.7	1.0	1.0	59	60	36-125	1	40		
Pyrene	mg/kg	0.017 U	1.7	1.7	0.96	0.89	57	53	41-123	8	40		
2-Fluorobiphenyl (S)	%						66	64	32-129				
Nitrobenzene-d5 (S)	%						56	59	16-123				
Terphenyl-d14 (S)	%						61	54	38-138				

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 376166 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 35318779006, 35318779007, 35318779008, 35318779009, 35318779010, 35318779011, 35318779012

METHOD BLANK: 2036760 Matrix: Solid
 Associated Lab Samples: 35318779006, 35318779007, 35318779008, 35318779009, 35318779010, 35318779011, 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/22/17 11:18	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/22/17 11:18	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/22/17 11:18	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/22/17 11:18	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/22/17 11:18	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/22/17 11:18	
Benzo(a)pyrene	mg/kg	0.011 I	0.033	0.0039	06/22/17 11:18	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/22/17 11:18	
Benzo(g,h,i)perylene	mg/kg	0.014 I	0.033	0.012	06/22/17 11:18	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	06/22/17 11:18	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/22/17 11:18	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/22/17 11:18	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/22/17 11:18	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/22/17 11:18	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/22/17 11:18	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/22/17 11:18	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	06/22/17 11:18	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/22/17 11:18	
2-Fluorobiphenyl (S)	%	84	32-129		06/22/17 11:18	
Nitrobenzene-d5 (S)	%	76	16-123		06/22/17 11:18	
Terphenyl-d14 (S)	%	70	38-138		06/22/17 11:18	

LABORATORY CONTROL SAMPLE: 2036761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.3	81	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.3	81	16-137	
Acenaphthene	mg/kg	1.7	1.3	77	37-120	
Acenaphthylene	mg/kg	1.7	1.3	80	41-120	
Anthracene	mg/kg	1.7	1.4	86	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.3	81	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.4	84	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.3	79	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.4	86	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	85	44-126	
Chrysene	mg/kg	1.7	1.3	80	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	86	43-124	
Fluoranthene	mg/kg	1.7	1.2	74	45-120	
Fluorene	mg/kg	1.7	1.3	79	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.4	87	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

LABORATORY CONTROL SAMPLE: 2036761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.2	72	40-120	
Phenanthrene	mg/kg	1.7	1.3	80	36-125	
Pyrene	mg/kg	1.7	1.2	70	41-123	
2-Fluorobiphenyl (S)	%			84	32-129	
Nitrobenzene-d5 (S)	%			77	16-123	
Terphenyl-d14 (S)	%			73	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037362 2037363

Parameter	Units	35318779006		2037362		2037363		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1-Methylnaphthalene	mg/kg	0.042 U	5.9	6.1	4.4	4.3	73	71	27-123	2	40		
2-Methylnaphthalene	mg/kg	0.048 U	5.9	6.1	4.2	4.3	71	72	16-137	2	40		
Acenaphthene	mg/kg	0.044 U	5.9	6.1	4.1	3.8	69	64	37-120	6	40		
Acenaphthylene	mg/kg	0.26	5.9	6.1	4.4	4.2	70	65	41-120	6	40		
Anthracene	mg/kg	0.12	5.9	6.1	4.4	4.1	72	66	45-120	6	40		
Benzo(a)anthracene	mg/kg	0.65	5.9	6.1	4.0	3.6	56	49	44-120	10	40		
Benzo(a)pyrene	mg/kg	0.64	5.9	6.1	3.9	3.5	55	47	44-123	12	40		
Benzo(b)fluoranthene	mg/kg	0.98	5.9	6.1	4.0	3.5	51	41	37-124	15	40		
Benzo(g,h,i)perylene	mg/kg	0.40	5.9	6.1	3.6	3.2	54	46	42-125	14	40		
Benzo(k)fluoranthene	mg/kg	0.36	5.9	6.1	3.7	3.6	57	54	44-126	4	40		
Chrysene	mg/kg	0.61	5.9	6.1	3.9	3.6	55	50	45-120	7	40		
Dibenz(a,h)anthracene	mg/kg	0.14	5.9	6.1	3.6	3.1	59	49	43-124	17	40		
Fluoranthene	mg/kg	0.73	5.9	6.1	3.7	3.6	51	48	45-120	3	40		
Fluorene	mg/kg	0.054 U	5.9	6.1	4.0	3.9	67	64	42-120	3	40		
Indeno(1,2,3-cd)pyrene	mg/kg	0.35	5.9	6.1	3.7	3.1	57	47	43-123	16	40		
Naphthalene	mg/kg	0.038 U	5.9	6.1	3.9	3.9	65	64	40-120	1	40		
Phenanthrene	mg/kg	0.099 I	5.9	6.1	4.2	3.9	69	63	36-125	7	40		
Pyrene	mg/kg	0.71	5.9	6.1	3.6	3.4	48	45	41-123	4	40		
2-Fluorobiphenyl (S)	%						71	58	32-129				
Nitrobenzene-d5 (S)	%						69	68	16-123				
Terphenyl-d14 (S)	%						50	37	38-138			J(S0)	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

QC Batch: 375863 Analysis Method: FL-PRO
QC Batch Method: EPA 3546 Analysis Description: FL-PRO Soil
Associated Lab Samples: 35318779001

METHOD BLANK: 2034998 Matrix: Solid
Associated Lab Samples: 35318779001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.6 U	4.0	2.6	06/20/17 11:21	
N-Pentatriacontane (S)	%	94	42-159		06/20/17 11:21	
o-Terphenyl (S)	%	127	62-109		06/20/17 11:21	S3

LABORATORY CONTROL SAMPLE: 2034999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	200	185	93	63-153	
N-Pentatriacontane (S)	%			71	42-159	
o-Terphenyl (S)	%			106	62-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2035624 2035625

Parameter	Units	2035624		2035625		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Petroleum Range Organics	mg/kg	2.6 U	212	212	145	68	76	51-215	10	25
N-Pentatriacontane (S)	%					55	52	42-159		
o-Terphenyl (S)	%					79	88	62-109		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

QC Batch: 376165 Analysis Method: FL-PRO
QC Batch Method: EPA 3546 Analysis Description: FL-PRO Soil
Associated Lab Samples: 35318779002, 35318779011, 35318779012

METHOD BLANK: 2036757 Matrix: Solid
Associated Lab Samples: 35318779002, 35318779011, 35318779012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.6 U	4.0	2.6	06/21/17 23:52	
N-Pentatriacontane (S)	%	71	42-159		06/21/17 23:52	
o-Terphenyl (S)	%	95	62-109		06/21/17 23:52	

LABORATORY CONTROL SAMPLE: 2036758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	203	175	86	63-153	
N-Pentatriacontane (S)	%			78	42-159	
o-Terphenyl (S)	%			102	62-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037360 2037361

Parameter	Units	2037360		2037361		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		35318718004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result					
Petroleum Range Organics	mg/kg	2.5 U	200	199	154	76	83	51-215	8	25
N-Pentatriacontane (S)	%					61	92	42-159		
o-Terphenyl (S)	%					95	99	62-109		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

QC Batch: 377053

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 35318779001, 35318779002, 35318779003, 35318779004, 35318779005, 35318779006, 35318779007, 35318779008, 35318779009, 35318779010, 35318779011, 35318779012

SAMPLE DUPLICATE: 2042775

Parameter	Units	35318733001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.5	23.0	6	10	

SAMPLE DUPLICATE: 2042776

Parameter	Units	35318779010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	7.6	5	10	

SAMPLE DUPLICATE: 2042777

Parameter	Units	35319594003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	6.6	11	10	J(D6)

SAMPLE DUPLICATE: 2042778

Parameter	Units	35319597004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.4	9.1	8	10	

SAMPLE DUPLICATE: 2042779

Parameter	Units	35319621005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	6.0	5	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: 381276

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 381277

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

J(L1) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

J(L2) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

J(M0) Estimated Value. Matrix spike recovery was outside laboratory control limits.

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

J(R1) Estimated Value. RPD value was outside control limits.

J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35318779

ANALYTE QUALIFIERS

- MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
- N2 The lab does not hold NELAC/TNI accreditation for this parameter.
- Q Sample held beyond the accepted holding time.
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
- V Indicates that the analyte was detected in both the sample and the associated method blank.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318779001	SB-15 (0-6")	EPA 3546	375863	FL-PRO	376027
35318779002	SB-15 (6"-2')	EPA 3546	376165	FL-PRO	376398
35318779011	SB-7 (0-6")	EPA 3546	376165	FL-PRO	376398
35318779012	SB-7 (6"-2')	EPA 3546	376165	FL-PRO	376398
35318779001	SB-15 (0-6")	EPA 3050	375948	EPA 6010	376029
35318779002	SB-15 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318779003	SB-16 E25 (0-6")	EPA 3050	375948	EPA 6010	376029
35318779004	SB-16 E50 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318779005	SB-16 E50 (0-6")	EPA 3050	375948	EPA 6010	376029
35318779006	SB-16 E25 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318779007	SB-17 E25 (0-6")	EPA 3050	375948	EPA 6010	376029
35318779008	SB-17 E25 (6"-2')	EPA 3050	375948	EPA 6010	376029
35318779009	SB-17 W50 (0-6")	EPA 3050	375667	EPA 6010	375678
35318779010	SB-17 W50 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318779011	SB-7 (0-6")	EPA 3050	375667	EPA 6010	375678
35318779012	SB-7 (6"-2')	EPA 3050	375667	EPA 6010	375678
35318779001	SB-15 (0-6")	EPA 3010	381244	EPA 6010	381276
35318779002	SB-15 (6"-2')	EPA 3010	381244	EPA 6010	381276
35318779003	SB-16 E25 (0-6")	EPA 3010	381245	EPA 6010	381277
35318779004	SB-16 E50 (6"-2')	EPA 3010	381245	EPA 6010	381277
35318779005	SB-16 E50 (0-6")	EPA 3010	382457	EPA 6010	382555
35318779006	SB-16 E25 (6"-2')	EPA 3010	381245	EPA 6010	381277
35318779007	SB-17 E25 (0-6")	EPA 3010	381245	EPA 6010	381277
35318779008	SB-17 E25 (6"-2')	EPA 3010	381245	EPA 6010	381277
35318779010	SB-17 W50 (6"-2')	EPA 3010	381245	EPA 6010	381277
35318779012	SB-7 (6"-2')	EPA 3010	379527	EPA 6010	379637
35318779009	SB-17 W50 (0-6")	EPA 3010	382535	EPA 6010	382658
35318779001	SB-15 (0-6")	EPA 7471	376564	EPA 7471	376637
35318779002	SB-15 (6"-2')	EPA 7471	376564	EPA 7471	376637
35318779011	SB-7 (0-6")	EPA 7471	376564	EPA 7471	376637
35318779012	SB-7 (6"-2')	EPA 7471	376564	EPA 7471	376637
35318779001	SB-15 (0-6")	EPA 3546	375947	EPA 8270	376548
35318779002	SB-15 (6"-2')	EPA 3546	375947	EPA 8270	376548
35318779003	SB-16 E25 (0-6")	EPA 3546	375947	EPA 8270	376548
35318779004	SB-16 E50 (6"-2')	EPA 3546	375947	EPA 8270	376548
35318779005	SB-16 E50 (0-6")	EPA 3546	375947	EPA 8270	376548
35318779006	SB-16 E25 (6"-2')	EPA 3546	376166	EPA 8270	376457
35318779007	SB-17 E25 (0-6")	EPA 3546	376166	EPA 8270	376457
35318779008	SB-17 E25 (6"-2')	EPA 3546	376166	EPA 8270	376457
35318779009	SB-17 W50 (0-6")	EPA 3546	376166	EPA 8270	376457
35318779010	SB-17 W50 (6"-2')	EPA 3546	376166	EPA 8270	376457
35318779011	SB-7 (0-6")	EPA 3546	376166	EPA 8270	376457
35318779012	SB-7 (6"-2')	EPA 3546	376166	EPA 8270	376457

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35318779

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35318779001	SB-15 (0-6")	EPA 8260	376472		
35318779002	SB-15 (6"-2')	EPA 8260	376472		
35318779003	SB-16 E25 (0-6")	EPA 8260	376472		
35318779004	SB-16 E50 (6"-2')	EPA 8260	376472		
35318779005	SB-16 E50 (0-6")	EPA 8260	376472		
35318779006	SB-16 E25 (6"-2')	EPA 8260	376472		
35318779007	SB-17 E25 (0-6")	EPA 8260	376472		
35318779008	SB-17 E25 (6"-2')	EPA 8260	376472		
35318779009	SB-17 W50 (0-6")	EPA 8260	376472		
35318779010	SB-17 W50 (6"-2')	EPA 8260	376728		
35318779011	SB-7 (0-6")	EPA 8260	376472		
35318779012	SB-7 (6"-2')	EPA 8260	376472		
35318779001	SB-15 (0-6")	ASTM D2974-87	377053		
35318779002	SB-15 (6"-2')	ASTM D2974-87	377053		
35318779003	SB-16 E25 (0-6")	ASTM D2974-87	377053		
35318779004	SB-16 E50 (6"-2')	ASTM D2974-87	377053		
35318779005	SB-16 E50 (0-6")	ASTM D2974-87	377053		
35318779006	SB-16 E25 (6"-2')	ASTM D2974-87	377053		
35318779007	SB-17 E25 (0-6")	ASTM D2974-87	377053		
35318779008	SB-17 E25 (6"-2')	ASTM D2974-87	377053		
35318779009	SB-17 W50 (0-6")	ASTM D2974-87	377053		
35318779010	SB-17 W50 (6"-2')	ASTM D2974-87	377053		
35318779011	SB-7 (0-6")	ASTM D2974-87	377053		
35318779012	SB-7 (6"-2')	ASTM D2974-87	377053		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:
 Company: AMEC Foster Wheeler Environment & Infrastructure
 Address: 5845 NW 158th Street
 Miami Lakes, FL 33014
 Email: ashok.altharaju@amec.com
 Phone: (954)895-6796
 Requested Due Date:

Required Project Information:
 Report To: Ash Altharaju
 Copy To:
 Project Name: The Underline
 Project #: 6783-17-2970
 Purchase Order #:
 Pace Project Manager: christina.raschke@pacelabs.com
 Pace Profile #: 5651-9

Invoice Information:
 Attention:
 Company Name:
 Address:
 Pace Quote:
 Regulatory Agency:
 State / Location: FL

Page: 1 Of 1

Section B

MATRIX
 Drinking Water
 Water
 Waste Water
 Product
 Soil/Solid
 Oil
 Wipe
 Air
 Other
 Tissue

CODE
 DW
 WT
 WW
 P
 SL
 OL
 WP
 AR
 OT
 TS

SAMPLE ID
 One Character per box.
 (A-Z, 0-9, /, -)
 Sample IDs must be unique

ITEM #	MATRIX	CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLER NAME AND SIGNATURE	PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:	DATE Signed:	TEMP in C	Received on	Ice (Y/N)	Custody (Y/N)	Sealed Cooler (Y/N)	Samples Intact (Y/N)		
				START DATE	END DATE																			DATE	TIME
61						6/16/17	10:12																		
62							10:14																		
63							13:17																		
64							13:34																		
65							13:32																		
66							13:19																		
67							14:17																		
68							14:19																		
69							14:17																		
70							14:19																		
71							15:45																		
72							15:47																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLER NAME AND SIGNATURE	PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:	DATE Signed:
	<i>[Signature]</i>			<i>[Signature]</i>	16/16/17			ASHOK ALTHARAJU	<i>[Signature]</i>	16/16/17

Sample Condition Upon Receipt Form (SCUR)

Project # WO# : 35318779

Project Manager: PM: CTR **Due Date:** 06/26/17

Client: CLIENT: 36-MACTEC

Date and Initials of person:
Examining contents: _____
Label: CSA
Deliver: _____
pH: _____

Thermometer Used: T-286 Date: 6/17/17 Time: 10:50 Initials: C.P

- | | |
|---|--|
| Cooler #1 Temp.°C <u>3.9</u> (Visual) <u>+0.1</u> (Correction Factor) <u>4.0</u> (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |
| Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) | <input type="checkbox"/> Samples on ice, cooling process has begun |

- Courier:** Fed Ex UPS USPS Client Commercial Pace Other _____
- Shipping Method:** First Overnight Priority Overnight Standard Overnight Ground Other _____
- Billing:** Recipient Sender Third Party Unknown

Tracking # 7794 2809 0760

Custody Seal on Cooler/Box Present: Yes No **Seals intact:** Yes No **Ice:** Wet Blue None

Packing Material: Bubble Wrap Bubble Bags None Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

	Comments:								
Chain of Custody Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Chain of Custody Filled Out <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>no tests listed on COC. Bottles ASK for 6010(As, Pb) see comments. 6/17/17</u>								
Relinquished Signature & Sampler Name COC <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Samples Arrived within Hold Time <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Rush TAT requested on COC <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A									
Sufficient Volume <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Correct Containers Used <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Containers Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A									
Sample Labels match COC (sample IDs & date/time of collection) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>all sample depths on COC that say (6"-2') are (10-24) on the bottles.</u>								
All containers needing acid/base preservation have been checked. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A									
All Containers needing preservation are found to be in compliance with EPA recommendation: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <small>Exceptions: VOA, Coliform, TOC, O&G, Carbamates</small>									
Headspace in VOA Vials? (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<table style="width:100%; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">Preservation Information</td></tr> <tr><td>Preservative: _____</td><td>Lot #/Trace #: _____</td></tr> <tr><td>Date: _____</td><td>Time: _____</td></tr> <tr><td>Initials: _____</td><td></td></tr> </table>	Preservation Information		Preservative: _____	Lot #/Trace #: _____	Date: _____	Time: _____	Initials: _____	
Preservation Information									
Preservative: _____	Lot #/Trace #: _____								
Date: _____	Time: _____								
Initials: _____									
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A									

Client Notification/ Resolution:
 Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):
Samples 001, 002, 011, 012 ASK for PAH, FLURO, RCRA, 0260 BetaX/Int BE on containers.
Samples 003 through 010 ASK for PAH, 6010(As, Pb), 0260 VOC.

July 14, 2017

Ash Aitharaju
AMEC Foster Wheeler Environment &
Infrastructure
5845 NW 158th Street
Miami Lakes, FL 33014

RE: Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Dear Ash Aitharaju:

Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revision 1: SPLP Arsenic has been removed from hold.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35319629001	SB-5 (0-6")	Solid	06/20/17 10:15	06/21/17 19:50
35319629002	SB-5 (6"-2')	Solid	06/20/17 10:17	06/21/17 19:50
35319629003	SB-6 (0-6")	Solid	06/20/17 11:10	06/21/17 19:50
35319629004	SB-6 (6"-2')	Solid	06/20/17 11:12	06/21/17 19:50
35319629005	SB-4 (0-6")	Solid	06/20/17 12:25	06/21/17 19:50
35319629006	SB-4 (6"-2')	Solid	06/20/17 12:30	06/21/17 19:50
35319629007	SB-4E25 (0-6")	Solid	06/20/17 12:35	06/21/17 19:50
35319629008	SB-4E25 (6"-2')	Solid	06/20/17 12:40	06/21/17 19:50
35319629009	SB-4W25 (0-6")	Solid	06/20/17 12:55	06/21/17 19:50
35319629010	SB-4W25 (6"-2')	Solid	06/20/17 13:00	06/21/17 19:50
35319629011	SB-18E25 (0-6")	Solid	06/20/17 14:57	06/21/17 19:50
35319629012	SB-18E25 (6"-2')	Solid	06/20/17 14:59	06/21/17 19:50
35319629013	SB-18 (0-6")	Solid	06/20/17 15:07	06/21/17 19:50
35319629014	SB-18 (6"-2')	Solid	06/20/17 15:09	06/21/17 19:50
35319629015	SB-18W25 (0-6")	Solid	06/20/17 15:17	06/21/17 19:50
35319629016	SB-18W25 (6"-2')	Solid	06/20/17 15:19	06/21/17 19:50
35319629017	SB-20E25 (0-6")	Solid	06/20/17 16:02	06/21/17 19:50
35319629018	SB-20E25 (6"-2')	Solid	06/20/17 16:04	06/21/17 19:50
35319629019	SB-20 (0-6")	Solid	06/20/17 16:22	06/21/17 19:50
35319629020	SB-20 (6"-2')	Solid	06/20/17 16:24	06/21/17 19:50
35319629021	SB-20W40 (0-6")	Solid	06/20/17 16:42	06/21/17 19:50
35319629022	SB-20W40 (6"-2')	Solid	06/20/17 16:44	06/21/17 19:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319629001	SB-5 (0-6")	FL-PRO	BP1	3	PASI-O
		EPA 6010	BTS	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629002	SB-5 (6"-2')	FL-PRO	BP1	3	PASI-O
		EPA 6010	BTS, RVK	7	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
35319629003	SB-6 (0-6")	ASTM D2974-87	RAK	1	PASI-O
		FL-PRO	BP1	3	PASI-O
		EPA 6010	BTS, RVK	7	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319629004	SB-6 (6"-2')	EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		FL-PRO	BP1	3	PASI-O
		EPA 6010	BTS, RVK	7	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 7471	MLO	1	PASI-O
35319629005	SB-4 (0-6")	EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319629006	SB-4 (6"-2')	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS, RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629007	SB-4E25 (0-6")	EPA 6010	BTS	2	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319629008	SB-4E25 (6"-2')	EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS, RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319629009	SB-4W25 (0-6")	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319629010	SB-4W25 (6"-2')	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS, RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	RVK	2	PASI-O
35319629011	SB-18E25 (0-6")	EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
35319629012	SB-18E25 (6"-2')	EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
35319629013	SB-18 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
35319629014	SB-18 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	RVK	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319629015	SB-18W25 (0-6")	EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629016	SB-18W25 (6"-2')	EPA 6010	BTS	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629017	SB-20E25 (0-6")	EPA 6010	BTS, RVK	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629018	SB-20E25 (6"-2')	EPA 6010	BTS, RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629019	SB-20 (0-6")	EPA 6010	BTS, RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629020	SB-20 (6"-2')	EPA 6010	BTS	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629021	SB-20W40 (0-6")	EPA 6010	BTS, RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319629022	SB-20W40 (6"-2')	EPA 6010	RVK	2	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319629001	SB-5 (0-6")					
EPA 6010	Arsenic	3.9	mg/kg	0.75	06/27/17 05:42	
EPA 6010	Barium	34.0	mg/kg	0.75	06/27/17 05:42	J(M1)
EPA 6010	Cadmium	0.26	mg/kg	0.075	06/27/17 05:42	
EPA 6010	Chromium	7.0	mg/kg	0.37	06/27/17 05:42	
EPA 6010	Lead	66.2	mg/kg	0.75	06/27/17 05:42	J(M1)
EPA 8270	Benzo(a)anthracene	0.030	l mg/kg	0.088	06/23/17 16:37	D3
EPA 8270	Benzo(a)pyrene	0.029	l mg/kg	0.088	06/23/17 16:37	D3
EPA 8270	Benzo(k)fluoranthene	0.026	l mg/kg	0.088	06/23/17 16:37	D3
EPA 8270	Chrysene	0.033	l mg/kg	0.088	06/23/17 16:37	D3
EPA 8270	Fluoranthene	0.041	l mg/kg	0.088	06/23/17 16:37	D3
ASTM D2974-87	Percent Moisture	24.4	%	0.10	06/24/17 15:25	
35319629002	SB-5 (6"-2')					
FL-PRO	Petroleum Range Organics	9.0	l mg/kg	10.4	06/24/17 18:19	
EPA 6010	Arsenic	3.6	mg/kg	0.73	06/27/17 05:58	
EPA 6010	Barium	22.9	mg/kg	0.73	06/27/17 05:58	
EPA 6010	Chromium	8.2	mg/kg	7.3	06/27/17 20:52	
EPA 6010	Lead	64.7	mg/kg	14.7	06/27/17 20:52	
EPA 6010	Arsenic	0.0064	l mg/L	0.010	07/08/17 22:15	
EPA 7471	Mercury	0.051	mg/kg	0.010	06/28/17 14:06	
EPA 8270	Benzo(a)pyrene	0.017	l mg/kg	0.086	06/23/17 16:59	D3
EPA 8270	Benzo(k)fluoranthene	0.019	l mg/kg	0.086	06/23/17 16:59	D3
EPA 8270	Fluoranthene	0.028	l mg/kg	0.086	06/23/17 16:59	D3
ASTM D2974-87	Percent Moisture	21.2	%	0.10	06/24/17 15:25	
35319629003	SB-6 (0-6")					
FL-PRO	Petroleum Range Organics	2.9	l mg/kg	4.6	06/24/17 18:44	
EPA 6010	Arsenic	5.7	mg/kg	0.53	06/27/17 06:02	
EPA 6010	Barium	9.2	mg/kg	0.53	06/27/17 06:02	
EPA 6010	Chromium	6.6	mg/kg	5.3	06/27/17 21:02	
EPA 6010	Lead	22.6	mg/kg	10.5	06/27/17 21:02	
EPA 6010	Selenium	8.0	l mg/kg	15.8	06/27/17 21:02	
EPA 6010	Arsenic	0.036	mg/L	0.010	07/08/17 22:28	
EPA 7471	Mercury	0.049	mg/kg	0.011	06/28/17 14:08	
EPA 8270	Acenaphthylene	0.022	l mg/kg	0.038	06/23/17 17:21	
EPA 8270	Anthracene	0.025	l mg/kg	0.038	06/23/17 17:21	
EPA 8270	Benzo(a)anthracene	0.11	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Benzo(a)pyrene	0.10	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Benzo(b)fluoranthene	0.20	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Benzo(g,h,i)perylene	0.064	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Chrysene	0.12	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Fluoranthene	0.21	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.058	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Phenanthrene	0.063	mg/kg	0.038	06/23/17 17:21	
EPA 8270	Pyrene	0.19	mg/kg	0.038	06/23/17 17:21	
ASTM D2974-87	Percent Moisture	12.1	%	0.10	06/24/17 15:25	
35319629004	SB-6 (6"-2')					
FL-PRO	Petroleum Range Organics	8.3	l mg/kg	10.2	06/24/17 18:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319629004	SB-6 (6"-2')					
EPA 6010	Arsenic	4.8	mg/kg	0.63	06/27/17 06:06	
EPA 6010	Barium	19.0	mg/kg	0.63	06/27/17 06:06	
EPA 6010	Chromium	6.5	mg/kg	6.3	06/27/17 21:22	
EPA 6010	Lead	47.8	mg/kg	12.6	06/27/17 21:22	
EPA 6010	Arsenic	0.014	mg/L	0.010	07/08/17 22:32	
EPA 7471	Mercury	0.022	mg/kg	0.011	06/28/17 14:14	
EPA 8270	Benzo(a)pyrene	0.019	mg/kg	0.084	06/23/17 17:44	D3
EPA 8270	Benzo(k)fluoranthene	0.021	mg/kg	0.084	06/23/17 17:44	D3
EPA 8270	Fluoranthene	0.032	mg/kg	0.084	06/23/17 17:44	D3
ASTM D2974-87	Percent Moisture	20.2	%	0.10	06/24/17 15:25	
35319629005	SB-4 (0-6")					
EPA 6010	Arsenic	4.0	mg/kg	0.59	06/27/17 06:10	
EPA 6010	Lead	20.9	mg/kg	0.59	06/27/17 06:10	
EPA 8270	Acenaphthylene	0.014	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Anthracene	0.012	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Benzo(a)anthracene	0.051	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Benzo(a)pyrene	0.061	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Benzo(b)fluoranthene	0.098	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Benzo(g,h,i)perylene	0.051	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Benzo(k)fluoranthene	0.039	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Chrysene	0.071	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Fluoranthene	0.078	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.034	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Phenanthrene	0.023	mg/kg	0.038	06/23/17 18:06	
EPA 8270	Pyrene	0.098	mg/kg	0.038	06/23/17 18:06	
ASTM D2974-87	Percent Moisture	13.1	%	0.10	06/24/17 15:25	
35319629006	SB-4 (6"-2')					
EPA 6010	Arsenic	11.4	mg/kg	0.53	06/27/17 06:15	
EPA 6010	Lead	21.4	mg/kg	10.6	06/27/17 21:32	
EPA 6010	Arsenic	0.074	mg/L	0.010	07/08/17 22:36	
EPA 8270	Acenaphthylene	0.012	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Benzo(a)anthracene	0.036	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Benzo(a)pyrene	0.041	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Benzo(b)fluoranthene	0.060	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Benzo(g,h,i)perylene	0.025	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Benzo(k)fluoranthene	0.041	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Chrysene	0.039	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Fluoranthene	0.043	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.022	mg/kg	0.038	06/23/17 18:28	
EPA 8270	Pyrene	0.053	mg/kg	0.038	06/23/17 18:28	
EPA 8260	Acetone	0.039	mg/kg	0.019	06/23/17 07:48	
ASTM D2974-87	Percent Moisture	11.9	%	0.10	06/24/17 15:25	
35319629007	SB-4E25 (0-6")					
EPA 6010	Arsenic	3.6	mg/kg	0.85	06/27/17 06:19	
EPA 6010	Lead	48.3	mg/kg	0.85	06/27/17 06:19	
EPA 8270	Benzo(a)anthracene	0.10	mg/kg	0.098	06/25/17 14:03	D3

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319629007	SB-4E25 (0-6")					
EPA 8270	Benzo(a)pyrene	0.085	l mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Benzo(b)fluoranthene	0.092	l mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Benzo(g,h,i)perylene	0.072	l mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Benzo(k)fluoranthene	0.076	l mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Chrysene	0.070	l mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Fluoranthene	0.11	mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.057	l mg/kg	0.098	06/25/17 14:03	D3
EPA 8270	Pyrene	0.10	mg/kg	0.098	06/25/17 14:03	D3
ASTM D2974-87	Percent Moisture	31.0	%	0.10	06/24/17 15:25	
35319629008	SB-4E25 (6"-2')					
EPA 6010	Arsenic	4.8	mg/kg	0.61	06/27/17 06:31	
EPA 6010	Lead	68.1	mg/kg	12.3	06/27/17 21:37	
EPA 6010	Arsenic	0.027	mg/L	0.010	07/08/17 22:40	
EPA 8270	Benzo(a)anthracene	0.13	mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Benzo(a)pyrene	0.094	mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Benzo(b)fluoranthene	0.15	mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Benzo(g,h,i)perylene	0.064	l mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Benzo(k)fluoranthene	0.047	l mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Chrysene	0.074	l mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Fluoranthene	0.16	mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.052	l mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Phenanthrene	0.086	mg/kg	0.084	06/25/17 14:25	D3
EPA 8270	Pyrene	0.18	mg/kg	0.084	06/25/17 14:25	D3
EPA 8260	Acetone	0.043	mg/kg	0.024	06/23/17 08:34	
ASTM D2974-87	Percent Moisture	23.9	%	0.10	06/24/17 15:25	
35319629009	SB-4W25 (0-6")					
EPA 6010	Arsenic	1.9	mg/kg	0.48	06/27/17 06:35	
EPA 6010	Lead	49.4	mg/kg	0.48	06/27/17 06:35	
EPA 8270	Anthracene	0.029	l mg/kg	0.037	06/25/17 14:48	
EPA 8270	Benzo(a)anthracene	0.14	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Benzo(a)pyrene	0.11	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Benzo(b)fluoranthene	0.15	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Benzo(g,h,i)perylene	0.081	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Benzo(k)fluoranthene	0.079	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Chrysene	0.10	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Fluoranthene	0.24	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.066	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Phenanthrene	0.094	mg/kg	0.037	06/25/17 14:48	
EPA 8270	Pyrene	0.20	mg/kg	0.037	06/25/17 14:48	
EPA 8260	Acetone	0.091	mg/kg	0.017	06/23/17 08:57	
ASTM D2974-87	Percent Moisture	9.4	%	0.10	06/24/17 15:25	
35319629010	SB-4W25 (6"-2')					
EPA 6010	Arsenic	5.4	mg/kg	0.58	06/27/17 06:39	
EPA 6010	Lead	33.8	mg/kg	11.7	06/27/17 21:42	
EPA 6010	Arsenic	0.045	mg/L	0.010	07/08/17 22:44	
EPA 8270	Anthracene	0.041	mg/kg	0.036	06/25/17 15:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35319629010	SB-4W25 (6"-2')					
EPA 8270	Benzo(a)anthracene	0.17	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Benzo(a)pyrene	0.14	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Benzo(b)fluoranthene	0.18	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Benzo(g,h,i)perylene	0.10	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Benzo(k)fluoranthene	0.12	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Chrysene	0.11	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Dibenz(a,h)anthracene	0.032	l mg/kg	0.036	06/25/17 15:11	
EPA 8270	Fluoranthene	0.24	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.081	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Phenanthrene	0.050	mg/kg	0.036	06/25/17 15:11	
EPA 8270	Pyrene	0.25	mg/kg	0.036	06/25/17 15:11	
ASTM D2974-87	Percent Moisture	8.1	%	0.10	06/24/17 15:25	
35319629011	SB-18E25 (0-6")					
EPA 6010	Lead	335	mg/kg	14.9	06/27/17 21:47	
EPA 6010	Arsenic	0.013	mg/L	0.010	07/13/17 00:58	J(M1)
EPA 8270	Benzo(a)anthracene	0.10	mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Benzo(a)pyrene	0.069	l mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Benzo(b)fluoranthene	0.10	mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Benzo(g,h,i)perylene	0.039	l mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Benzo(k)fluoranthene	0.053	l mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Chrysene	0.064	l mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Fluoranthene	0.13	mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.057	l mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Phenanthrene	0.046	l mg/kg	0.097	06/25/17 15:34	D3
EPA 8270	Pyrene	0.13	mg/kg	0.097	06/25/17 15:34	D3
ASTM D2974-87	Percent Moisture	31.5	%	0.10	06/24/17 15:25	
35319629012	SB-18E25 (6"-2')					
EPA 6010	Arsenic	10.9	mg/kg	0.58	06/27/17 06:48	
EPA 6010	Lead	69.0	mg/kg	0.58	06/27/17 06:48	
EPA 6010	Arsenic	0.019	mg/L	0.010	07/13/17 10:29	
EPA 8260	Acetone	0.30	mg/kg	0.020	06/23/17 19:18	
ASTM D2974-87	Percent Moisture	20.2	%	0.10	06/24/17 15:25	J(D6)
35319629013	SB-18 (0-6")					
EPA 6010	Arsenic	12.4	mg/kg	0.52	06/27/17 06:52	
EPA 6010	Lead	23.8	mg/kg	0.52	06/27/17 06:52	
EPA 6010	Arsenic	0.10	mg/L	0.010	07/13/17 10:34	
EPA 8270	Benzo(a)pyrene	0.024	l mg/kg	0.035	06/25/17 16:19	
EPA 8270	Benzo(b)fluoranthene	0.030	l mg/kg	0.035	06/25/17 16:19	
EPA 8270	Benzo(g,h,i)perylene	0.019	l mg/kg	0.035	06/25/17 16:19	
EPA 8270	Benzo(k)fluoranthene	0.010	l mg/kg	0.035	06/25/17 16:19	
EPA 8270	Chrysene	0.017	l mg/kg	0.035	06/25/17 16:19	
EPA 8260	Acetone	0.18	mg/kg	0.021	06/23/17 19:41	
ASTM D2974-87	Percent Moisture	6.9	%	0.10	06/24/17 15:25	
35319629014	SB-18 (6"-2')					
EPA 6010	Lead	14.9	mg/kg	14.4	06/27/17 21:52	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319629014	SB-18 (6"-2')					
EPA 6010	Arsenic	0.055	mg/L	0.010	07/13/17 18:48	Q
EPA 8260	Acetone	0.052	mg/kg	0.020	06/23/17 20:04	
ASTM D2974-87	Percent Moisture	24.5	%	0.10	06/24/17 15:25	
35319629015	SB-18W25 (0-6")					
EPA 6010	Arsenic	7.3	mg/kg	0.81	06/27/17 07:00	
EPA 6010	Lead	63.3	mg/kg	0.81	06/27/17 07:00	
EPA 6010	Arsenic	0.0090	I mg/L	0.010	07/13/17 18:56	Q
EPA 8270	Benzo(a)anthracene	0.060	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Benzo(a)pyrene	0.077	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Benzo(b)fluoranthene	0.098	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Benzo(g,h,i)perylene	0.062	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Benzo(k)fluoranthene	0.068	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Chrysene	0.061	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Fluoranthene	0.088	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.052	mg/kg	0.043	06/25/17 17:05	
EPA 8270	Pyrene	0.091	mg/kg	0.043	06/25/17 17:05	
ASTM D2974-87	Percent Moisture	23.8	%	0.10	06/24/17 15:25	
35319629016	SB-18W25 (6"-2')					
EPA 6010	Arsenic	4.2	mg/kg	0.56	06/27/17 07:04	
EPA 6010	Lead	6.6	mg/kg	0.56	06/27/17 07:04	
EPA 6010	Arsenic	0.011	mg/L	0.010	07/13/17 19:08	Q
EPA 8260	Acetone	0.14	mg/kg	0.018	06/24/17 04:59	
ASTM D2974-87	Percent Moisture	10.7	%	0.10	06/24/17 15:25	
35319629017	SB-20E25 (0-6")					
EPA 6010	Arsenic	0.44	I mg/kg	0.64	06/27/17 07:08	
EPA 8270	Acenaphthene	0.055	mg/kg	0.034	06/23/17 16:14	
EPA 8270	Anthracene	0.10	mg/kg	0.034	06/23/17 16:14	J(M1)
EPA 8270	Benzo(a)anthracene	0.10	mg/kg	0.034	06/23/17 16:14	J(M1)
EPA 8270	Benzo(a)pyrene	0.097	mg/kg	0.034	06/23/17 16:14	J(M1)
EPA 8270	Benzo(b)fluoranthene	0.11	mg/kg	0.034	06/23/17 16:14	J(M1),J(R1)
EPA 8270	Benzo(g,h,i)perylene	0.050	mg/kg	0.034	06/23/17 16:14	
EPA 8270	Benzo(k)fluoranthene	0.070	mg/kg	0.034	06/23/17 16:14	J(M1)
EPA 8270	Chrysene	0.13	mg/kg	0.034	06/23/17 16:14	J(M1),J(R1)
EPA 8270	Fluoranthene	0.36	mg/kg	0.034	06/23/17 16:14	J(M1),J(R1)
EPA 8270	Fluorene	0.067	mg/kg	0.034	06/23/17 16:14	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	0.034	06/23/17 16:14	
EPA 8270	Phenanthrene	0.34	mg/kg	0.034	06/23/17 16:14	J(M1),J(R1)
EPA 8270	Pyrene	0.27	mg/kg	0.034	06/23/17 16:14	J(M1),J(R1)
EPA 8260	Acetone	0.033	mg/kg	0.018	06/24/17 05:22	
EPA 8260	m&p-Xylene	0.0071	I mg/kg	0.0092	06/24/17 05:22	
EPA 8260	o-Xylene	0.0027	I mg/kg	0.0046	06/24/17 05:22	
ASTM D2974-87	Percent Moisture	2.6	%	0.10	06/24/17 15:25	
35319629018	SB-20E25 (6"-2')					
EPA 6010	Arsenic	1.0	mg/kg	0.74	06/27/17 07:20	
EPA 6010	Lead	5.4	I mg/kg	7.4	06/27/17 22:03	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35319629018	SB-20E25 (6"-2')					
EPA 8260	Acetone	0.074	mg/kg	0.027	06/24/17 05:45	
ASTM D2974-87	Percent Moisture	32.1	%	0.10	06/24/17 15:25	
35319629019	SB-20 (0-6")					
EPA 6010	Arsenic	0.98	mg/kg	0.53	06/27/17 07:24	
EPA 6010	Lead	2.8 l	mg/kg	5.3	06/27/17 22:08	
EPA 8260	Acetone	0.12	mg/kg	0.024	06/24/17 06:08	
ASTM D2974-87	Percent Moisture	3.7	%	0.10	06/24/17 15:25	
35319629020	SB-20 (6"-2')					
EPA 6010	Arsenic	2.5	mg/kg	0.59	06/27/17 07:29	
EPA 6010	Lead	5.7	mg/kg	0.59	06/27/17 07:29	
EPA 8260	Acetone	0.044	mg/kg	0.018	06/24/17 06:31	
ASTM D2974-87	Percent Moisture	5.2	%	0.10	06/24/17 15:25	
35319629021	SB-20W40 (0-6")					
EPA 6010	Arsenic	0.43 l	mg/kg	0.53	06/26/17 20:33	
EPA 8270	Benzo(a)pyrene	0.0047 l	mg/kg	0.036	06/23/17 14:25	
EPA 8260	Acetone	0.054	mg/kg	0.020	06/24/17 06:55	
ASTM D2974-87	Percent Moisture	7.9	%	0.10	06/24/17 15:25	J(D6)
35319629022	SB-20W40 (6"-2')					
EPA 6010	Arsenic	1.2	mg/kg	0.61	06/26/17 20:37	
EPA 6010	Lead	3.1	mg/kg	0.61	06/26/17 20:37	
EPA 8270	Anthracene	0.28	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Benzo(a)anthracene	1.2	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Benzo(a)pyrene	0.88	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Benzo(b)fluoranthene	1.4	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Benzo(g,h,i)perylene	0.70	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Benzo(k)fluoranthene	0.56	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Chrysene	0.88	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Dibenz(a,h)anthracene	0.20	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Fluoranthene	3.0	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Fluorene	0.13 l	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.63	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Phenanthrene	1.5	mg/kg	0.18	06/23/17 14:48	
EPA 8270	Pyrene	1.9	mg/kg	0.18	06/23/17 14:48	
EPA 8260	Acetone	0.046	mg/kg	0.021	06/24/17 07:18	
ASTM D2974-87	Percent Moisture	8.0	%	0.10	06/24/17 15:25	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-5 (0-6") **Lab ID: 35319629001** Collected: 06/20/17 10:15 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	6.9 U	mg/kg	10.9	6.9	1	06/22/17 20:40	06/24/17 18:19		
Surrogates									
o-Terphenyl (S)	140	%	62-109		1	06/22/17 20:40	06/24/17 18:19	84-15-1	S3
N-Pentatriacontane (S)	114	%	42-159		1	06/22/17 20:40	06/24/17 18:19	630-07-09	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.9	mg/kg	0.75	0.37	1	06/26/17 17:35	06/27/17 05:42	7440-38-2	
Barium	34.0	mg/kg	0.75	0.37	1	06/26/17 17:35	06/27/17 05:42	7440-39-3	J(M1)
Cadmium	0.26	mg/kg	0.075	0.037	1	06/26/17 17:35	06/27/17 05:42	7440-43-9	
Chromium	7.0	mg/kg	0.37	0.19	1	06/26/17 17:35	06/27/17 05:42	7440-47-3	
Lead	66.2	mg/kg	0.75	0.37	1	06/26/17 17:35	06/27/17 05:42	7439-92-1	J(M1)
Selenium	0.56 U	mg/kg	1.1	0.56	1	06/26/17 17:35	06/27/17 05:42	7782-49-2	J(M1), J(R1)
Silver	0.19 U	mg/kg	0.37	0.19	1	06/26/17 17:35	06/27/17 05:42	7440-22-4	J(R1)
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0062 U	mg/kg	0.012	0.0062	1	06/27/17 11:37	06/28/17 14:02	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.032 U	mg/kg	0.088	0.032	1	06/22/17 18:20	06/23/17 16:37	83-32-9	D3
Acenaphthylene	0.028 U	mg/kg	0.088	0.028	1	06/22/17 18:20	06/23/17 16:37	208-96-8	D3
Anthracene	0.027 U	mg/kg	0.088	0.027	1	06/22/17 18:20	06/23/17 16:37	120-12-7	D3
Benzo(a)anthracene	0.030 I	mg/kg	0.088	0.026	1	06/22/17 18:20	06/23/17 16:37	56-55-3	D3
Benzo(a)pyrene	0.029 I	mg/kg	0.088	0.010	1	06/22/17 18:20	06/23/17 16:37	50-32-8	D3
Benzo(b)fluoranthene	0.066 U	mg/kg	0.088	0.066	1	06/22/17 18:20	06/23/17 16:37	205-99-2	D3
Benzo(g,h,i)perylene	0.032 U	mg/kg	0.088	0.032	1	06/22/17 18:20	06/23/17 16:37	191-24-2	D3
Benzo(k)fluoranthene	0.026 I	mg/kg	0.088	0.019	1	06/22/17 18:20	06/23/17 16:37	207-08-9	D3
Chrysene	0.033 I	mg/kg	0.088	0.032	1	06/22/17 18:20	06/23/17 16:37	218-01-9	D3
Dibenz(a,h)anthracene	0.045 U	mg/kg	0.088	0.045	1	06/22/17 18:20	06/23/17 16:37	53-70-3	D3
Fluoranthene	0.041 I	mg/kg	0.088	0.029	1	06/22/17 18:20	06/23/17 16:37	206-44-0	D3
Fluorene	0.040 U	mg/kg	0.088	0.040	1	06/22/17 18:20	06/23/17 16:37	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.045 U	mg/kg	0.088	0.045	1	06/22/17 18:20	06/23/17 16:37	193-39-5	D3
1-Methylnaphthalene	0.031 U	mg/kg	0.088	0.031	1	06/22/17 18:20	06/23/17 16:37	90-12-0	D3
2-Methylnaphthalene	0.036 U	mg/kg	0.088	0.036	1	06/22/17 18:20	06/23/17 16:37	91-57-6	D3
Naphthalene	0.029 U	mg/kg	0.088	0.029	1	06/22/17 18:20	06/23/17 16:37	91-20-3	D3
Phenanthrene	0.033 U	mg/kg	0.088	0.033	1	06/22/17 18:20	06/23/17 16:37	85-01-8	D3
Pyrene	0.045 U	mg/kg	0.088	0.045	1	06/22/17 18:20	06/23/17 16:37	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	45	%	16-123		1	06/22/17 18:20	06/23/17 16:37	4165-60-0	
2-Fluorobiphenyl (S)	46	%	32-129		1	06/22/17 18:20	06/23/17 16:37	321-60-8	
Terphenyl-d14 (S)	24	%	38-138		1	06/22/17 18:20	06/23/17 16:37	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
Benzene	0.0036 U	mg/kg	0.0071	0.0036	1		06/23/17 05:52	71-43-2	
Ethylbenzene	0.0040 U	mg/kg	0.0071	0.0040	1		06/23/17 05:52	100-41-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-5 (0-6") **Lab ID: 35319629001** Collected: 06/20/17 10:15 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	0.0035 U	mg/kg	0.0071	0.0035	1		06/23/17 05:52	1634-04-4	
Toluene	0.0038 U	mg/kg	0.0071	0.0038	1		06/23/17 05:52	108-88-3	
Xylene (Total)	0.0073 U	mg/kg	0.021	0.0073	1		06/23/17 05:52	1330-20-7	
m&p-Xylene	0.0073 U	mg/kg	0.014	0.0073	1		06/23/17 05:52	179601-23-1	
o-Xylene	0.0037 U	mg/kg	0.0071	0.0037	1		06/23/17 05:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	55-148		1		06/23/17 05:52	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/23/17 05:52	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/23/17 05:52	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	24.4	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-5 (6"-2') **Lab ID: 35319629002** Collected: 06/20/17 10:17 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	9.0 I	mg/kg	10.4	6.6	1	06/22/17 20:40	06/24/17 18:19		
Surrogates									
o-Terphenyl (S)	118	%	62-109		1	06/22/17 20:40	06/24/17 18:19	84-15-1	S3
N-Pentatriacontane (S)	135	%	42-159		1	06/22/17 20:40	06/24/17 18:19	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.6	mg/kg	0.73	0.37	1	06/26/17 17:35	06/27/17 05:58	7440-38-2	
Barium	22.9	mg/kg	0.73	0.37	1	06/26/17 17:35	06/27/17 05:58	7440-39-3	
Cadmium	0.73 U	mg/kg	1.5	0.73	20	06/26/17 17:35	06/27/17 20:52	7440-43-9	
Chromium	8.2	mg/kg	7.3	3.7	20	06/26/17 17:35	06/27/17 20:52	7440-47-3	
Lead	64.7	mg/kg	14.7	7.3	20	06/26/17 17:35	06/27/17 20:52	7439-92-1	
Selenium	11.0 U	mg/kg	22.0	11.0	20	06/26/17 17:35	06/27/17 20:52	7782-49-2	
Silver	3.7 U	mg/kg	7.3	3.7	20	06/26/17 17:35	06/27/17 20:52	7440-22-4	D3
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.0064 I	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:15	7440-38-2	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.051	mg/kg	0.010	0.0051	1	06/27/17 11:37	06/28/17 14:06	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.031 U	mg/kg	0.086	0.031	1	06/22/17 18:20	06/23/17 16:59	83-32-9	D3
Acenaphthylene	0.027 U	mg/kg	0.086	0.027	1	06/22/17 18:20	06/23/17 16:59	208-96-8	D3
Anthracene	0.026 U	mg/kg	0.086	0.026	1	06/22/17 18:20	06/23/17 16:59	120-12-7	D3
Benzo(a)anthracene	0.025 U	mg/kg	0.086	0.025	1	06/22/17 18:20	06/23/17 16:59	56-55-3	D3
Benzo(a)pyrene	0.017 I	mg/kg	0.086	0.010	1	06/22/17 18:20	06/23/17 16:59	50-32-8	D3
Benzo(b)fluoranthene	0.065 U	mg/kg	0.086	0.065	1	06/22/17 18:20	06/23/17 16:59	205-99-2	D3
Benzo(g,h,i)perylene	0.031 U	mg/kg	0.086	0.031	1	06/22/17 18:20	06/23/17 16:59	191-24-2	D3
Benzo(k)fluoranthene	0.019 I	mg/kg	0.086	0.019	1	06/22/17 18:20	06/23/17 16:59	207-08-9	D3
Chrysene	0.031 U	mg/kg	0.086	0.031	1	06/22/17 18:20	06/23/17 16:59	218-01-9	D3
Dibenz(a,h)anthracene	0.043 U	mg/kg	0.086	0.043	1	06/22/17 18:20	06/23/17 16:59	53-70-3	D3
Fluoranthene	0.028 I	mg/kg	0.086	0.028	1	06/22/17 18:20	06/23/17 16:59	206-44-0	D3
Fluorene	0.039 U	mg/kg	0.086	0.039	1	06/22/17 18:20	06/23/17 16:59	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.043 U	mg/kg	0.086	0.043	1	06/22/17 18:20	06/23/17 16:59	193-39-5	D3
1-Methylnaphthalene	0.030 U	mg/kg	0.086	0.030	1	06/22/17 18:20	06/23/17 16:59	90-12-0	D3
2-Methylnaphthalene	0.035 U	mg/kg	0.086	0.035	1	06/22/17 18:20	06/23/17 16:59	91-57-6	D3
Naphthalene	0.028 U	mg/kg	0.086	0.028	1	06/22/17 18:20	06/23/17 16:59	91-20-3	D3
Phenanthrene	0.032 U	mg/kg	0.086	0.032	1	06/22/17 18:20	06/23/17 16:59	85-01-8	D3
Pyrene	0.043 U	mg/kg	0.086	0.043	1	06/22/17 18:20	06/23/17 16:59	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	42	%	16-123		1	06/22/17 18:20	06/23/17 16:59	4165-60-0	
2-Fluorobiphenyl (S)	70	%	32-129		1	06/22/17 18:20	06/23/17 16:59	321-60-8	
Terphenyl-d14 (S)	58	%	38-138		1	06/22/17 18:20	06/23/17 16:59	1718-51-0	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-5 (6"-2') **Lab ID: 35319629002** Collected: 06/20/17 10:17 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 06:15	71-43-2	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 06:15	100-41-4	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 06:15	1634-04-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 06:15	108-88-3	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/23/17 06:15	1330-20-7	
m&p-Xylene	0.0051 U	mg/kg	0.0099	0.0051	1		06/23/17 06:15	179601-23-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 06:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/23/17 06:15	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/23/17 06:15	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 06:15	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	21.2	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-6 (0-6") **Lab ID: 35319629003** Collected: 06/20/17 11:10 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	2.9 I	mg/kg	4.6	2.9	1	06/22/17 20:40	06/24/17 18:44		
Surrogates									
o-Terphenyl (S)	123	%	62-109		1	06/22/17 20:40	06/24/17 18:44	84-15-1	S3
N-Pentatriacontane (S)	90	%	42-159		1	06/22/17 20:40	06/24/17 18:44	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.7	mg/kg	0.53	0.26	1	06/26/17 17:35	06/27/17 06:02	7440-38-2	
Barium	9.2	mg/kg	0.53	0.26	1	06/26/17 17:35	06/27/17 06:02	7440-39-3	
Cadmium	0.53 U	mg/kg	1.1	0.53	20	06/26/17 17:35	06/27/17 21:02	7440-43-9	
Chromium	6.6	mg/kg	5.3	2.6	20	06/26/17 17:35	06/27/17 21:02	7440-47-3	
Lead	22.6	mg/kg	10.5	5.3	20	06/26/17 17:35	06/27/17 21:02	7439-92-1	
Selenium	8.0 I	mg/kg	15.8	7.9	20	06/26/17 17:35	06/27/17 21:02	7782-49-2	
Silver	2.6 U	mg/kg	5.3	2.6	20	06/26/17 17:35	06/27/17 21:02	7440-22-4	D3
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.036	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:28	7440-38-2	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.049	mg/kg	0.011	0.0053	1	06/27/17 11:37	06/28/17 14:08	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 17:21	83-32-9	
Acenaphthylene	0.022 I	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 17:21	208-96-8	
Anthracene	0.025 I	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 17:21	120-12-7	
Benzo(a)anthracene	0.11	mg/kg	0.038	0.011	1	06/22/17 18:20	06/23/17 17:21	56-55-3	
Benzo(a)pyrene	0.10	mg/kg	0.038	0.0044	1	06/22/17 18:20	06/23/17 17:21	50-32-8	
Benzo(b)fluoranthene	0.20	mg/kg	0.038	0.029	1	06/22/17 18:20	06/23/17 17:21	205-99-2	
Benzo(g,h,i)perylene	0.064	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 17:21	191-24-2	
Benzo(k)fluoranthene	0.0082 U	mg/kg	0.038	0.0082	1	06/22/17 18:20	06/23/17 17:21	207-08-9	
Chrysene	0.12	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 17:21	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 17:21	53-70-3	
Fluoranthene	0.21	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 17:21	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/22/17 18:20	06/23/17 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	0.058	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 17:21	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.038	0.013	1	06/22/17 18:20	06/23/17 17:21	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.038	0.015	1	06/22/17 18:20	06/23/17 17:21	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 17:21	91-20-3	
Phenanthrene	0.063	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 17:21	85-01-8	
Pyrene	0.19	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 17:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	41	%	16-123		1	06/22/17 18:20	06/23/17 17:21	4165-60-0	
2-Fluorobiphenyl (S)	63	%	32-129		1	06/22/17 18:20	06/23/17 17:21	321-60-8	
Terphenyl-d14 (S)	43	%	38-138		1	06/22/17 18:20	06/23/17 17:21	1718-51-0	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-6 (0-6") **Lab ID: 35319629003** Collected: 06/20/17 11:10 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0026 U	mg/kg	0.0051	0.0026	1		06/23/17 06:38	71-43-2	
Ethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		06/23/17 06:38	100-41-4	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0051	0.0026	1		06/23/17 06:38	1634-04-4	
Toluene	0.0028 U	mg/kg	0.0051	0.0028	1		06/23/17 06:38	108-88-3	
Xylene (Total)	0.0053 U	mg/kg	0.015	0.0053	1		06/23/17 06:38	1330-20-7	
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/23/17 06:38	179601-23-1	
o-Xylene	0.0026 U	mg/kg	0.0051	0.0026	1		06/23/17 06:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/23/17 06:38	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/23/17 06:38	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/23/17 06:38	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.1	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-6 (6"-2') **Lab ID: 35319629004** Collected: 06/20/17 11:12 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	8.3 I	mg/kg	10.2	6.5	1	06/22/17 20:40	06/24/17 18:44		
Surrogates									
o-Terphenyl (S)	117	%	62-109		1	06/22/17 20:40	06/24/17 18:44	84-15-1	S3
N-Pentatriacontane (S)	126	%	42-159		1	06/22/17 20:40	06/24/17 18:44	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.8	mg/kg	0.63	0.31	1	06/26/17 17:35	06/27/17 06:06	7440-38-2	
Barium	19.0	mg/kg	0.63	0.31	1	06/26/17 17:35	06/27/17 06:06	7440-39-3	
Cadmium	0.63 U	mg/kg	1.3	0.63	20	06/26/17 17:35	06/27/17 21:22	7440-43-9	
Chromium	6.5	mg/kg	6.3	3.1	20	06/26/17 17:35	06/27/17 21:22	7440-47-3	
Lead	47.8	mg/kg	12.6	6.3	20	06/26/17 17:35	06/27/17 21:22	7439-92-1	
Selenium	9.4 U	mg/kg	18.9	9.4	20	06/26/17 17:35	06/27/17 21:22	7782-49-2	
Silver	3.1 U	mg/kg	6.3	3.1	20	06/26/17 17:35	06/27/17 21:22	7440-22-4	D3
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.014	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:32	7440-38-2	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.022	mg/kg	0.011	0.0054	1	06/27/17 11:37	06/28/17 14:14	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.031 U	mg/kg	0.084	0.031	1	06/22/17 18:20	06/23/17 17:44	83-32-9	D3
Acenaphthylene	0.026 U	mg/kg	0.084	0.026	1	06/22/17 18:20	06/23/17 17:44	208-96-8	D3
Anthracene	0.026 U	mg/kg	0.084	0.026	1	06/22/17 18:20	06/23/17 17:44	120-12-7	D3
Benzo(a)anthracene	0.024 U	mg/kg	0.084	0.024	1	06/22/17 18:20	06/23/17 17:44	56-55-3	D3
Benzo(a)pyrene	0.019 I	mg/kg	0.084	0.0099	1	06/22/17 18:20	06/23/17 17:44	50-32-8	D3
Benzo(b)fluoranthene	0.064 U	mg/kg	0.084	0.064	1	06/22/17 18:20	06/23/17 17:44	205-99-2	D3
Benzo(g,h,i)perylene	0.030 U	mg/kg	0.084	0.030	1	06/22/17 18:20	06/23/17 17:44	191-24-2	D3
Benzo(k)fluoranthene	0.021 I	mg/kg	0.084	0.018	1	06/22/17 18:20	06/23/17 17:44	207-08-9	D3
Chrysene	0.030 U	mg/kg	0.084	0.030	1	06/22/17 18:20	06/23/17 17:44	218-01-9	D3
Dibenz(a,h)anthracene	0.043 U	mg/kg	0.084	0.043	1	06/22/17 18:20	06/23/17 17:44	53-70-3	D3
Fluoranthene	0.032 I	mg/kg	0.084	0.028	1	06/22/17 18:20	06/23/17 17:44	206-44-0	D3
Fluorene	0.038 U	mg/kg	0.084	0.038	1	06/22/17 18:20	06/23/17 17:44	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.043 U	mg/kg	0.084	0.043	1	06/22/17 18:20	06/23/17 17:44	193-39-5	D3
1-Methylnaphthalene	0.030 U	mg/kg	0.084	0.030	1	06/22/17 18:20	06/23/17 17:44	90-12-0	D3
2-Methylnaphthalene	0.034 U	mg/kg	0.084	0.034	1	06/22/17 18:20	06/23/17 17:44	91-57-6	D3
Naphthalene	0.027 U	mg/kg	0.084	0.027	1	06/22/17 18:20	06/23/17 17:44	91-20-3	D3
Phenanthrene	0.032 U	mg/kg	0.084	0.032	1	06/22/17 18:20	06/23/17 17:44	85-01-8	D3
Pyrene	0.043 U	mg/kg	0.084	0.043	1	06/22/17 18:20	06/23/17 17:44	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	58	%	16-123		1	06/22/17 18:20	06/23/17 17:44	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/22/17 18:20	06/23/17 17:44	321-60-8	
Terphenyl-d14 (S)	46	%	38-138		1	06/22/17 18:20	06/23/17 17:44	1718-51-0	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-6 (6"-2') **Lab ID: 35319629004** Collected: 06/20/17 11:12 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/23/17 07:01	71-43-2	
Ethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/23/17 07:01	100-41-4	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 07:01	1634-04-4	
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		06/23/17 07:01	108-88-3	
Xylene (Total)	0.0062 U	mg/kg	0.018	0.0062	1		06/23/17 07:01	1330-20-7	
m&p-Xylene	0.0062 U	mg/kg	0.012	0.0062	1		06/23/17 07:01	179601-23-1	
o-Xylene	0.0031 U	mg/kg	0.0061	0.0031	1		06/23/17 07:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/23/17 07:01	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/23/17 07:01	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/23/17 07:01	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	20.2	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4 (0-6") **Lab ID: 35319629005** Collected: 06/20/17 12:25 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.0	mg/kg	0.59	0.30	1	06/26/17 17:35	06/27/17 06:10	7440-38-2	
Lead	20.9	mg/kg	0.59	0.30	1	06/26/17 17:35	06/27/17 06:10	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:06	83-32-9	
Acenaphthylene	0.014 I	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:06	208-96-8	
Anthracene	0.012 I	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:06	120-12-7	
Benzo(a)anthracene	0.051	mg/kg	0.038	0.011	1	06/22/17 18:20	06/23/17 18:06	56-55-3	
Benzo(a)pyrene	0.061	mg/kg	0.038	0.0045	1	06/22/17 18:20	06/23/17 18:06	50-32-8	
Benzo(b)fluoranthene	0.098	mg/kg	0.038	0.029	1	06/22/17 18:20	06/23/17 18:06	205-99-2	
Benzo(g,h,i)perylene	0.051	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:06	191-24-2	
Benzo(k)fluoranthene	0.039	mg/kg	0.038	0.0083	1	06/22/17 18:20	06/23/17 18:06	207-08-9	
Chrysene	0.071	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:06	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 18:06	53-70-3	
Fluoranthene	0.078	mg/kg	0.038	0.013	1	06/22/17 18:20	06/23/17 18:06	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/22/17 18:20	06/23/17 18:06	86-73-7	
Indeno(1,2,3-cd)pyrene	0.034 I	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 18:06	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:06	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.038	0.016	1	06/22/17 18:20	06/23/17 18:06	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:06	91-20-3	
Phenanthrene	0.023 I	mg/kg	0.038	0.015	1	06/22/17 18:20	06/23/17 18:06	85-01-8	
Pyrene	0.098	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 18:06	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	37	%	16-123		1	06/22/17 18:20	06/23/17 18:06	4165-60-0	
2-Fluorobiphenyl (S)	68	%	32-129		1	06/22/17 18:20	06/23/17 18:06	321-60-8	
Terphenyl-d14 (S)	68	%	38-138		1	06/22/17 18:20	06/23/17 18:06	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	630-20-6	
1,1,1-Trichloroethane	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 07:25	71-55-6	
1,1,2,2-Tetrachloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	79-34-5	
1,1,2-Trichloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	79-00-5	
1,1-Dichloroethane	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 07:25	75-34-3	
1,1-Dichloroethene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	75-35-4	
1,1-Dichloropropene	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 07:25	563-58-6	
1,2,3-Trichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	87-61-6	
1,2,3-Trichloropropane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	96-18-4	
1,2,3-Trimethylbenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	526-73-8	N2
1,2,4-Trichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	120-82-1	
1,2,4-Trimethylbenzene	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 07:25	95-63-6	
1,2-Dichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	95-50-1	
1,2-Dichloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	107-06-2	
1,2-Dichloropropane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	78-87-5	
1,3,5-Trimethylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 07:25	108-67-8	
1,3-Dichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4 (0-6") **Lab ID: 35319629005** Collected: 06/20/17 12:25 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	142-28-9	
1,4-Dichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	106-46-7	
2,2-Dichloropropane	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 07:25	594-20-7	
2-Butanone (MEK)	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	78-93-3	
2-Chlorotoluene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	95-49-8	
2-Hexanone	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	591-78-6	
4-Chlorotoluene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	108-10-1	
Acetone	0.013 U	mg/kg	0.026	0.013	1		06/23/17 07:25	67-64-1	
Acetonitrile	0.033 U	mg/kg	0.066	0.033	1		06/23/17 07:25	75-05-8	
Benzene	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 07:25	71-43-2	
Bromobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	108-86-1	
Bromochloromethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	74-97-5	
Bromodichloromethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	75-27-4	
Bromoform	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	75-25-2	
Bromomethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	74-83-9	
Carbon disulfide	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	75-15-0	
Carbon tetrachloride	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	56-23-5	
Chlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	108-90-7	
Chloroethane	0.0047 U	mg/kg	0.0066	0.0047	1		06/23/17 07:25	75-00-3	
Chloroform	0.0039 U	mg/kg	0.0066	0.0039	1		06/23/17 07:25	67-66-3	
Chloromethane	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 07:25	74-87-3	
Dibromochloromethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	124-48-1	
Dibromomethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	74-95-3	
Dichlorodifluoromethane	0.0035 U	mg/kg	0.0066	0.0035	1		06/23/17 07:25	75-71-8	
Ethylbenzene	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 07:25	100-41-4	
Iodomethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	74-88-4	
Isopropylbenzene (Cumene)	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 07:25	98-82-8	
Methyl-tert-butyl ether	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	1634-04-4	
Methylene Chloride	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	75-09-2	J(L1)
Styrene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	100-42-5	
Tetrachloroethene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	127-18-4	
Toluene	0.0035 U	mg/kg	0.0066	0.0035	1		06/23/17 07:25	108-88-3	
Trichloroethene	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 07:25	79-01-6	
Trichlorofluoromethane	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 07:25	75-69-4	
Vinyl acetate	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	108-05-4	
Vinyl chloride	0.0035 U	mg/kg	0.0066	0.0035	1		06/23/17 07:25	75-01-4	
Xylene (Total)	0.0067 U	mg/kg	0.020	0.0067	1		06/23/17 07:25	1330-20-7	
cis-1,2-Dichloroethene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	156-59-2	
cis-1,3-Dichloropropene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	10061-01-5	
m&p-Xylene	0.0067 U	mg/kg	0.013	0.0067	1		06/23/17 07:25	179601-23-1	
n-Butylbenzene	0.0039 U	mg/kg	0.0066	0.0039	1		06/23/17 07:25	104-51-8	
n-Propylbenzene	0.0035 U	mg/kg	0.0066	0.0035	1		06/23/17 07:25	103-65-1	
o-Xylene	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 07:25	95-47-6	
p-Isopropyltoluene	0.0039 U	mg/kg	0.0066	0.0039	1		06/23/17 07:25	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4 (0-6") **Lab ID: 35319629005** Collected: 06/20/17 12:25 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 07:25	135-98-8	
tert-Butylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 07:25	98-06-6	
trans-1,2-Dichloroethene	0.0040 U	mg/kg	0.0066	0.0040	1		06/23/17 07:25	156-60-5	
trans-1,3-Dichloropropene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 07:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/23/17 07:25	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/23/17 07:25	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/23/17 07:25	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.1	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4 (6"-2') **Lab ID: 35319629006** Collected: 06/20/17 12:30 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	11.4	mg/kg	0.53	0.26	1	06/26/17 17:35	06/27/17 06:15	7440-38-2	
Lead	21.4	mg/kg	10.6	5.3	20	06/26/17 17:35	06/27/17 21:32	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.074	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:36	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:28	83-32-9	
Acenaphthylene	0.012 I	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:28	208-96-8	
Anthracene	0.012 U	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:28	120-12-7	
Benzo(a)anthracene	0.036 I	mg/kg	0.038	0.011	1	06/22/17 18:20	06/23/17 18:28	56-55-3	
Benzo(a)pyrene	0.041	mg/kg	0.038	0.0044	1	06/22/17 18:20	06/23/17 18:28	50-32-8	
Benzo(b)fluoranthene	0.060	mg/kg	0.038	0.028	1	06/22/17 18:20	06/23/17 18:28	205-99-2	
Benzo(g,h,i)perylene	0.025 I	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:28	191-24-2	
Benzo(k)fluoranthene	0.041	mg/kg	0.038	0.0082	1	06/22/17 18:20	06/23/17 18:28	207-08-9	
Chrysene	0.039	mg/kg	0.038	0.013	1	06/22/17 18:20	06/23/17 18:28	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 18:28	53-70-3	
Fluoranthene	0.043	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:28	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/22/17 18:20	06/23/17 18:28	86-73-7	
Indeno(1,2,3-cd)pyrene	0.022 I	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 18:28	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.038	0.013	1	06/22/17 18:20	06/23/17 18:28	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.038	0.015	1	06/22/17 18:20	06/23/17 18:28	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/22/17 18:20	06/23/17 18:28	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.038	0.014	1	06/22/17 18:20	06/23/17 18:28	85-01-8	
Pyrene	0.053	mg/kg	0.038	0.019	1	06/22/17 18:20	06/23/17 18:28	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	16-123		1	06/22/17 18:20	06/23/17 18:28	4165-60-0	
2-Fluorobiphenyl (S)	66	%	32-129		1	06/22/17 18:20	06/23/17 18:28	321-60-8	
Terphenyl-d14 (S)	51	%	38-138		1	06/22/17 18:20	06/23/17 18:28	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/23/17 07:48	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/23/17 07:48	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	120-82-1	
1,2,4-Trimethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/23/17 07:48	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4 (6"-2') **Lab ID: 35319629006** Collected: 06/20/17 12:30 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	78-87-5	
1,3,5-Trimethylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/23/17 07:48	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	541-73-1	
1,3-Dichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0048	0.0025	1		06/23/17 07:48	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	108-10-1	
Acetone	0.039	mg/kg	0.019	0.0096	1		06/23/17 07:48	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.048	0.024	1		06/23/17 07:48	75-05-8	
Benzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	75-25-2	
Bromomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0048	0.0034	1		06/23/17 07:48	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0048	0.0028	1		06/23/17 07:48	67-66-3	
Chloromethane	0.0027 U	mg/kg	0.0048	0.0027	1		06/23/17 07:48	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0048	0.0025	1		06/23/17 07:48	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/23/17 07:48	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	74-88-4	
Isopropylbenzene (Cumene)	0.0028 U	mg/kg	0.0048	0.0028	1		06/23/17 07:48	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	75-09-2	J(L1)
Styrene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	127-18-4	
Toluene	0.0026 U	mg/kg	0.0048	0.0026	1		06/23/17 07:48	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0048	0.0027	1		06/23/17 07:48	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/23/17 07:48	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0048	0.0026	1		06/23/17 07:48	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/23/17 07:48	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0096	0.0049	1		06/23/17 07:48	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4 (6"-2') **Lab ID: 35319629006** Collected: 06/20/17 12:30 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0029 U	mg/kg	0.0048	0.0029	1		06/23/17 07:48	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0048	0.0025	1		06/23/17 07:48	103-65-1	
o-Xylene	0.0025 U	mg/kg	0.0048	0.0025	1		06/23/17 07:48	95-47-6	
p-Isopropyltoluene	0.0029 U	mg/kg	0.0048	0.0029	1		06/23/17 07:48	99-87-6	
sec-Butylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/23/17 07:48	135-98-8	
tert-Butylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/23/17 07:48	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0048	0.0029	1		06/23/17 07:48	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/23/17 07:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/23/17 07:48	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/23/17 07:48	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 07:48	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.9	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-4E25 (0-6")** Lab ID: **35319629007** Collected: 06/20/17 12:35 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.6	mg/kg	0.85	0.43	1	06/26/17 17:35	06/27/17 06:19	7440-38-2	
Lead	48.3	mg/kg	0.85	0.43	1	06/26/17 17:35	06/27/17 06:19	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.036 U	mg/kg	0.098	0.036	1	06/22/17 18:20	06/25/17 14:03	83-32-9	D3
Acenaphthylene	0.030 U	mg/kg	0.098	0.030	1	06/22/17 18:20	06/25/17 14:03	208-96-8	D3
Anthracene	0.030 U	mg/kg	0.098	0.030	1	06/22/17 18:20	06/25/17 14:03	120-12-7	D3
Benzo(a)anthracene	0.10	mg/kg	0.098	0.028	1	06/22/17 18:20	06/25/17 14:03	56-55-3	D3
Benzo(a)pyrene	0.085 I	mg/kg	0.098	0.011	1	06/22/17 18:20	06/25/17 14:03	50-32-8	D3
Benzo(b)fluoranthene	0.092 I	mg/kg	0.098	0.074	1	06/22/17 18:20	06/25/17 14:03	205-99-2	D3
Benzo(g,h,i)perylene	0.072 I	mg/kg	0.098	0.035	1	06/22/17 18:20	06/25/17 14:03	191-24-2	D3
Benzo(k)fluoranthene	0.076 I	mg/kg	0.098	0.021	1	06/22/17 18:20	06/25/17 14:03	207-08-9	D3
Chrysene	0.070 I	mg/kg	0.098	0.035	1	06/22/17 18:20	06/25/17 14:03	218-01-9	D3
Dibenz(a,h)anthracene	0.049 U	mg/kg	0.098	0.049	1	06/22/17 18:20	06/25/17 14:03	53-70-3	D3
Fluoranthene	0.11	mg/kg	0.098	0.032	1	06/22/17 18:20	06/25/17 14:03	206-44-0	D3
Fluorene	0.044 U	mg/kg	0.098	0.044	1	06/22/17 18:20	06/25/17 14:03	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.057 I	mg/kg	0.098	0.049	1	06/22/17 18:20	06/25/17 14:03	193-39-5	D3
1-Methylnaphthalene	0.035 U	mg/kg	0.098	0.035	1	06/22/17 18:20	06/25/17 14:03	90-12-0	D3
2-Methylnaphthalene	0.040 U	mg/kg	0.098	0.040	1	06/22/17 18:20	06/25/17 14:03	91-57-6	D3
Naphthalene	0.032 U	mg/kg	0.098	0.032	1	06/22/17 18:20	06/25/17 14:03	91-20-3	D3
Phenanthrene	0.037 U	mg/kg	0.098	0.037	1	06/22/17 18:20	06/25/17 14:03	85-01-8	D3
Pyrene	0.10	mg/kg	0.098	0.049	1	06/22/17 18:20	06/25/17 14:03	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	104	%	16-123		1	06/22/17 18:20	06/25/17 14:03	4165-60-0	
2-Fluorobiphenyl (S)	48	%	32-129		1	06/22/17 18:20	06/25/17 14:03	321-60-8	
Terphenyl-d14 (S)	34	%	38-138		1	06/22/17 18:20	06/25/17 14:03	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	630-20-6	
1,1,1-Trichloroethane	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 08:11	71-55-6	
1,1,2,2-Tetrachloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	79-34-5	
1,1,2-Trichloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	79-00-5	
1,1-Dichloroethane	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 08:11	75-34-3	
1,1-Dichloroethene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	75-35-4	
1,1-Dichloropropene	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 08:11	563-58-6	
1,2,3-Trichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	87-61-6	
1,2,3-Trichloropropane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	96-18-4	
1,2,3-Trimethylbenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	526-73-8	N2
1,2,4-Trichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	120-82-1	
1,2,4-Trimethylbenzene	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 08:11	95-63-6	
1,2-Dichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	95-50-1	
1,2-Dichloroethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	107-06-2	
1,2-Dichloropropane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	78-87-5	
1,3,5-Trimethylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 08:11	108-67-8	
1,3-Dichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-4E25 (0-6")** Lab ID: **35319629007** Collected: 06/20/17 12:35 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	142-28-9	
1,4-Dichlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	106-46-7	
2,2-Dichloropropane	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 08:11	594-20-7	
2-Butanone (MEK)	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	78-93-3	
2-Chlorotoluene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	95-49-8	
2-Hexanone	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	591-78-6	
4-Chlorotoluene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	108-10-1	
Acetone	0.013 U	mg/kg	0.027	0.013	1		06/23/17 08:11	67-64-1	
Acetonitrile	0.033 U	mg/kg	0.066	0.033	1		06/23/17 08:11	75-05-8	
Benzene	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 08:11	71-43-2	
Bromobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	108-86-1	
Bromochloromethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	74-97-5	
Bromodichloromethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	75-27-4	
Bromoform	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	75-25-2	
Bromomethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	74-83-9	
Carbon disulfide	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	75-15-0	
Carbon tetrachloride	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	56-23-5	
Chlorobenzene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	108-90-7	
Chloroethane	0.0048 U	mg/kg	0.0066	0.0048	1		06/23/17 08:11	75-00-3	
Chloroform	0.0039 U	mg/kg	0.0066	0.0039	1		06/23/17 08:11	67-66-3	
Chloromethane	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 08:11	74-87-3	
Dibromochloromethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	124-48-1	
Dibromomethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	74-95-3	
Dichlorodifluoromethane	0.0035 U	mg/kg	0.0066	0.0035	1		06/23/17 08:11	75-71-8	
Ethylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 08:11	100-41-4	
Iodomethane	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	74-88-4	
Isopropylbenzene (Cumene)	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 08:11	98-82-8	
Methyl-tert-butyl ether	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	1634-04-4	
Methylene Chloride	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	75-09-2	J(L1)
Styrene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	100-42-5	
Tetrachloroethene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	127-18-4	
Toluene	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 08:11	108-88-3	
Trichloroethene	0.0037 U	mg/kg	0.0066	0.0037	1		06/23/17 08:11	79-01-6	
Trichlorofluoromethane	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 08:11	75-69-4	
Vinyl acetate	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	108-05-4	
Vinyl chloride	0.0036 U	mg/kg	0.0066	0.0036	1		06/23/17 08:11	75-01-4	
Xylene (Total)	0.0068 U	mg/kg	0.020	0.0068	1		06/23/17 08:11	1330-20-7	
cis-1,2-Dichloroethene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	156-59-2	
cis-1,3-Dichloropropene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	10061-01-5	
m&p-Xylene	0.0068 U	mg/kg	0.013	0.0068	1		06/23/17 08:11	179601-23-1	
n-Butylbenzene	0.0040 U	mg/kg	0.0066	0.0040	1		06/23/17 08:11	104-51-8	
n-Propylbenzene	0.0035 U	mg/kg	0.0066	0.0035	1		06/23/17 08:11	103-65-1	
o-Xylene	0.0034 U	mg/kg	0.0066	0.0034	1		06/23/17 08:11	95-47-6	
p-Isopropyltoluene	0.0040 U	mg/kg	0.0066	0.0040	1		06/23/17 08:11	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4E25 (0-6") **Lab ID: 35319629007** Collected: 06/20/17 12:35 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 08:11	135-98-8	
tert-Butylbenzene	0.0038 U	mg/kg	0.0066	0.0038	1		06/23/17 08:11	98-06-6	
trans-1,2-Dichloroethene	0.0040 U	mg/kg	0.0066	0.0040	1		06/23/17 08:11	156-60-5	
trans-1,3-Dichloropropene	0.0033 U	mg/kg	0.0066	0.0033	1		06/23/17 08:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/23/17 08:11	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/23/17 08:11	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/23/17 08:11	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	31.0	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4E25 (6"-2") **Lab ID: 35319629008** Collected: 06/20/17 12:40 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.8	mg/kg	0.61	0.31	1	06/26/17 17:35	06/27/17 06:31	7440-38-2	
Lead	68.1	mg/kg	12.3	6.1	20	06/26/17 17:35	06/27/17 21:37	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.027	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:40	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.031 U	mg/kg	0.084	0.031	1	06/22/17 18:20	06/25/17 14:25	83-32-9	D3
Acenaphthylene	0.026 U	mg/kg	0.084	0.026	1	06/22/17 18:20	06/25/17 14:25	208-96-8	D3
Anthracene	0.026 U	mg/kg	0.084	0.026	1	06/22/17 18:20	06/25/17 14:25	120-12-7	D3
Benzo(a)anthracene	0.13	mg/kg	0.084	0.024	1	06/22/17 18:20	06/25/17 14:25	56-55-3	D3
Benzo(a)pyrene	0.094	mg/kg	0.084	0.0099	1	06/22/17 18:20	06/25/17 14:25	50-32-8	D3
Benzo(b)fluoranthene	0.15	mg/kg	0.084	0.063	1	06/22/17 18:20	06/25/17 14:25	205-99-2	D3
Benzo(g,h,i)perylene	0.064 I	mg/kg	0.084	0.030	1	06/22/17 18:20	06/25/17 14:25	191-24-2	D3
Benzo(k)fluoranthene	0.047 I	mg/kg	0.084	0.018	1	06/22/17 18:20	06/25/17 14:25	207-08-9	D3
Chrysene	0.074 I	mg/kg	0.084	0.030	1	06/22/17 18:20	06/25/17 14:25	218-01-9	D3
Dibenz(a,h)anthracene	0.042 U	mg/kg	0.084	0.042	1	06/22/17 18:20	06/25/17 14:25	53-70-3	D3
Fluoranthene	0.16	mg/kg	0.084	0.028	1	06/22/17 18:20	06/25/17 14:25	206-44-0	D3
Fluorene	0.038 U	mg/kg	0.084	0.038	1	06/22/17 18:20	06/25/17 14:25	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.052 I	mg/kg	0.084	0.042	1	06/22/17 18:20	06/25/17 14:25	193-39-5	D3
1-Methylnaphthalene	0.030 U	mg/kg	0.084	0.030	1	06/22/17 18:20	06/25/17 14:25	90-12-0	D3
2-Methylnaphthalene	0.034 U	mg/kg	0.084	0.034	1	06/22/17 18:20	06/25/17 14:25	91-57-6	D3
Naphthalene	0.027 U	mg/kg	0.084	0.027	1	06/22/17 18:20	06/25/17 14:25	91-20-3	D3
Phenanthrene	0.086	mg/kg	0.084	0.032	1	06/22/17 18:20	06/25/17 14:25	85-01-8	D3
Pyrene	0.18	mg/kg	0.084	0.042	1	06/22/17 18:20	06/25/17 14:25	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	104	%	16-123		1	06/22/17 18:20	06/25/17 14:25	4165-60-0	
2-Fluorobiphenyl (S)	53	%	32-129		1	06/22/17 18:20	06/25/17 14:25	321-60-8	
Terphenyl-d14 (S)	35	%	38-138		1	06/22/17 18:20	06/25/17 14:25	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/23/17 08:34	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/23/17 08:34	75-34-3	
1,1-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		06/23/17 08:34	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	526-73-8	N2
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	120-82-1	
1,2,4-Trimethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/23/17 08:34	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-4E25 (6"-2')** Lab ID: **35319629008** Collected: 06/20/17 12:40 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	107-06-2	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	78-87-5	
1,3,5-Trimethylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/23/17 08:34	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	541-73-1	
1,3-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	142-28-9	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0061	0.0031	1		06/23/17 08:34	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	108-10-1	
Acetone	0.043	mg/kg	0.024	0.012	1		06/23/17 08:34	67-64-1	
Acetonitrile	0.030 U	mg/kg	0.061	0.030	1		06/23/17 08:34	75-05-8	
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/23/17 08:34	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	75-25-2	
Bromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	108-90-7	
Chloroethane	0.0043 U	mg/kg	0.0061	0.0043	1		06/23/17 08:34	75-00-3	
Chloroform	0.0036 U	mg/kg	0.0061	0.0036	1		06/23/17 08:34	67-66-3	
Chloromethane	0.0034 U	mg/kg	0.0061	0.0034	1		06/23/17 08:34	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0061	0.0032	1		06/23/17 08:34	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/23/17 08:34	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0061	0.0035	1		06/23/17 08:34	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	75-09-2	J(L1)
Styrene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	127-18-4	
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		06/23/17 08:34	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0061	0.0034	1		06/23/17 08:34	79-01-6	
Trichlorofluoromethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/23/17 08:34	75-69-4	
Vinyl acetate	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	108-05-4	
Vinyl chloride	0.0033 U	mg/kg	0.0061	0.0033	1		06/23/17 08:34	75-01-4	
Xylene (Total)	0.0062 U	mg/kg	0.018	0.0062	1		06/23/17 08:34	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	10061-01-5	
m&p-Xylene	0.0062 U	mg/kg	0.012	0.0062	1		06/23/17 08:34	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4E25 (6"-2) **Lab ID: 35319629008** Collected: 06/20/17 12:40 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0036 U	mg/kg	0.0061	0.0036	1		06/23/17 08:34	104-51-8	
n-Propylbenzene	0.0032 U	mg/kg	0.0061	0.0032	1		06/23/17 08:34	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0061	0.0031	1		06/23/17 08:34	95-47-6	
p-Isopropyltoluene	0.0036 U	mg/kg	0.0061	0.0036	1		06/23/17 08:34	99-87-6	
sec-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/23/17 08:34	135-98-8	
tert-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/23/17 08:34	98-06-6	
trans-1,2-Dichloroethene	0.0037 U	mg/kg	0.0061	0.0037	1		06/23/17 08:34	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		06/23/17 08:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/23/17 08:34	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/23/17 08:34	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 08:34	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	23.9	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4W25 (0-6") **Lab ID: 35319629009** Collected: 06/20/17 12:55 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	1.9	mg/kg	0.48	0.24	1	06/26/17 17:35	06/27/17 06:35	7440-38-2	
Lead	49.4	mg/kg	0.48	0.24	1	06/26/17 17:35	06/27/17 06:35	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/22/17 18:20	06/25/17 14:48	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/22/17 18:20	06/25/17 14:48	208-96-8	
Anthracene	0.029 I	mg/kg	0.037	0.011	1	06/22/17 18:20	06/25/17 14:48	120-12-7	
Benzo(a)anthracene	0.14	mg/kg	0.037	0.011	1	06/22/17 18:20	06/25/17 14:48	56-55-3	
Benzo(a)pyrene	0.11	mg/kg	0.037	0.0043	1	06/22/17 18:20	06/25/17 14:48	50-32-8	
Benzo(b)fluoranthene	0.15	mg/kg	0.037	0.028	1	06/22/17 18:20	06/25/17 14:48	205-99-2	
Benzo(g,h,i)perylene	0.081	mg/kg	0.037	0.013	1	06/22/17 18:20	06/25/17 14:48	191-24-2	
Benzo(k)fluoranthene	0.079	mg/kg	0.037	0.0080	1	06/22/17 18:20	06/25/17 14:48	207-08-9	
Chrysene	0.10	mg/kg	0.037	0.013	1	06/22/17 18:20	06/25/17 14:48	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/22/17 18:20	06/25/17 14:48	53-70-3	
Fluoranthene	0.24	mg/kg	0.037	0.012	1	06/22/17 18:20	06/25/17 14:48	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/22/17 18:20	06/25/17 14:48	86-73-7	
Indeno(1,2,3-cd)pyrene	0.066	mg/kg	0.037	0.019	1	06/22/17 18:20	06/25/17 14:48	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/22/17 18:20	06/25/17 14:48	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/22/17 18:20	06/25/17 14:48	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/22/17 18:20	06/25/17 14:48	91-20-3	
Phenanthrene	0.094	mg/kg	0.037	0.014	1	06/22/17 18:20	06/25/17 14:48	85-01-8	
Pyrene	0.20	mg/kg	0.037	0.019	1	06/22/17 18:20	06/25/17 14:48	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	105	%	16-123		1	06/22/17 18:20	06/25/17 14:48	4165-60-0	
2-Fluorobiphenyl (S)	60	%	32-129		1	06/22/17 18:20	06/25/17 14:48	321-60-8	
Terphenyl-d14 (S)	57	%	38-138		1	06/22/17 18:20	06/25/17 14:48	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	630-20-6	
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/23/17 08:57	71-55-6	
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	79-00-5	
1,1-Dichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/23/17 08:57	75-34-3	
1,1-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	75-35-4	
1,1-Dichloropropene	0.0022 U	mg/kg	0.0042	0.0022	1		06/23/17 08:57	563-58-6	
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	526-73-8	N2
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	120-82-1	
1,2,4-Trimethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	95-63-6	
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	95-50-1	
1,2-Dichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	107-06-2	
1,2-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	78-87-5	
1,3,5-Trimethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4W25 (0-6") **Lab ID: 35319629009** Collected: 06/20/17 12:55 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	142-28-9	
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0042	0.0022	1		06/23/17 08:57	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	108-10-1	
Acetone	0.091	mg/kg	0.017	0.0084	1		06/23/17 08:57	67-64-1	
Acetonitrile	0.021 U	mg/kg	0.042	0.021	1		06/23/17 08:57	75-05-8	
Benzene	0.0022 U	mg/kg	0.0042	0.0022	1		06/23/17 08:57	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	74-97-5	
Bromodichloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	75-25-2	
Bromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	108-90-7	
Chloroethane	0.0030 U	mg/kg	0.0042	0.0030	1		06/23/17 08:57	75-00-3	
Chloroform	0.0025 U	mg/kg	0.0042	0.0025	1		06/23/17 08:57	67-66-3	
Chloromethane	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	74-95-3	
Dichlorodifluoromethane	0.0022 U	mg/kg	0.0042	0.0022	1		06/23/17 08:57	75-71-8	
Ethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	74-88-4	
Isopropylbenzene (Cumene)	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	75-09-2	J(L1)
Styrene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	127-18-4	
Toluene	0.0023 U	mg/kg	0.0042	0.0023	1		06/23/17 08:57	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	79-01-6	
Trichlorofluoromethane	0.0023 U	mg/kg	0.0042	0.0023	1		06/23/17 08:57	75-69-4	
Vinyl acetate	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	108-05-4	
Vinyl chloride	0.0023 U	mg/kg	0.0042	0.0023	1		06/23/17 08:57	75-01-4	
Xylene (Total)	0.0043 U	mg/kg	0.013	0.0043	1		06/23/17 08:57	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	156-59-2	
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	10061-01-5	
m&p-Xylene	0.0043 U	mg/kg	0.0084	0.0043	1		06/23/17 08:57	179601-23-1	
n-Butylbenzene	0.0025 U	mg/kg	0.0042	0.0025	1		06/23/17 08:57	104-51-8	
n-Propylbenzene	0.0022 U	mg/kg	0.0042	0.0022	1		06/23/17 08:57	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0042	0.0022	1		06/23/17 08:57	95-47-6	
p-Isopropyltoluene	0.0025 U	mg/kg	0.0042	0.0025	1		06/23/17 08:57	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4W25 (0-6") **Lab ID: 35319629009** Collected: 06/20/17 12:55 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	135-98-8	
tert-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		06/23/17 08:57	98-06-6	
trans-1,2-Dichloroethene	0.0026 U	mg/kg	0.0042	0.0026	1		06/23/17 08:57	156-60-5	
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		06/23/17 08:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/23/17 08:57	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	80-131		1		06/23/17 08:57	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/23/17 08:57	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.4	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4W25 (6"-2') **Lab ID: 35319629010** Collected: 06/20/17 13:00 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.4	mg/kg	0.58	0.29	1	06/26/17 17:35	06/27/17 06:39	7440-38-2	
Lead	33.8	mg/kg	11.7	5.8	20	06/26/17 17:35	06/27/17 21:42	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/05/17 15:46									
Arsenic	0.045	mg/L	0.010	0.0050	1	07/07/17 12:05	07/08/17 22:44	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/22/17 18:20	06/25/17 15:11	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/22/17 18:20	06/25/17 15:11	208-96-8	
Anthracene	0.041	mg/kg	0.036	0.011	1	06/22/17 18:20	06/25/17 15:11	120-12-7	
Benzo(a)anthracene	0.17	mg/kg	0.036	0.010	1	06/22/17 18:20	06/25/17 15:11	56-55-3	
Benzo(a)pyrene	0.14	mg/kg	0.036	0.0042	1	06/22/17 18:20	06/25/17 15:11	50-32-8	
Benzo(b)fluoranthene	0.18	mg/kg	0.036	0.027	1	06/22/17 18:20	06/25/17 15:11	205-99-2	
Benzo(g,h,i)perylene	0.10	mg/kg	0.036	0.013	1	06/22/17 18:20	06/25/17 15:11	191-24-2	
Benzo(k)fluoranthene	0.12	mg/kg	0.036	0.0078	1	06/22/17 18:20	06/25/17 15:11	207-08-9	
Chrysene	0.11	mg/kg	0.036	0.013	1	06/22/17 18:20	06/25/17 15:11	218-01-9	
Dibenz(a,h)anthracene	0.032 I	mg/kg	0.036	0.018	1	06/22/17 18:20	06/25/17 15:11	53-70-3	
Fluoranthene	0.24	mg/kg	0.036	0.012	1	06/22/17 18:20	06/25/17 15:11	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/22/17 18:20	06/25/17 15:11	86-73-7	
Indeno(1,2,3-cd)pyrene	0.081	mg/kg	0.036	0.018	1	06/22/17 18:20	06/25/17 15:11	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/22/17 18:20	06/25/17 15:11	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/22/17 18:20	06/25/17 15:11	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/22/17 18:20	06/25/17 15:11	91-20-3	
Phenanthrene	0.050	mg/kg	0.036	0.014	1	06/22/17 18:20	06/25/17 15:11	85-01-8	
Pyrene	0.25	mg/kg	0.036	0.018	1	06/22/17 18:20	06/25/17 15:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	99	%	16-123		1	06/22/17 18:20	06/25/17 15:11	4165-60-0	
2-Fluorobiphenyl (S)	66	%	32-129		1	06/22/17 18:20	06/25/17 15:11	321-60-8	
Terphenyl-d14 (S)	86	%	38-138		1	06/22/17 18:20	06/25/17 15:11	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/23/17 09:20	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/23/17 09:20	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0047	0.0026	1		06/23/17 09:20	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4W25 (6"-2') **Lab ID: 35319629010** Collected: 06/20/17 13:00 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/23/17 09:20	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	541-73-1	
1,3-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	108-10-1	
Acetone	0.0094 U	mg/kg	0.019	0.0094	1		06/23/17 09:20	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.047	0.024	1		06/23/17 09:20	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	75-25-2	
Bromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0047	0.0034	1		06/23/17 09:20	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/23/17 09:20	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/23/17 09:20	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/23/17 09:20	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/23/17 09:20	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0047	0.0027	1		06/23/17 09:20	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	75-09-2	J(L1)
Styrene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	127-18-4	
Toluene	0.0025 U	mg/kg	0.0047	0.0025	1		06/23/17 09:20	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0047	0.0027	1		06/23/17 09:20	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/23/17 09:20	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0047	0.0025	1		06/23/17 09:20	75-01-4	
Xylene (Total)	0.0048 U	mg/kg	0.014	0.0048	1		06/23/17 09:20	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	10061-01-5	
m&p-Xylene	0.0048 U	mg/kg	0.0094	0.0048	1		06/23/17 09:20	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-4W25 (6"-2') **Lab ID: 35319629010** Collected: 06/20/17 13:00 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0028 U	mg/kg	0.0047	0.0028	1		06/23/17 09:20	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/23/17 09:20	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	95-47-6	
p-Isopropyltoluene	0.0028 U	mg/kg	0.0047	0.0028	1		06/23/17 09:20	99-87-6	
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/23/17 09:20	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/23/17 09:20	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0047	0.0029	1		06/23/17 09:20	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/23/17 09:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		06/23/17 09:20	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/23/17 09:20	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/23/17 09:20	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.1	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-18E25 (0-6")** Lab ID: **35319629011** Collected: 06/20/17 14:57 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.4 U	mg/kg	14.9	7.4	20	06/26/17 17:35	06/27/17 21:47	7440-38-2	
Lead	335	mg/kg	14.9	7.4	20	06/26/17 17:35	06/27/17 21:47	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.013	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 00:58	7440-38-2	J(M1)
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.036 U	mg/kg	0.097	0.036	1	06/22/17 18:20	06/25/17 15:34	83-32-9	D3
Acenaphthylene	0.030 U	mg/kg	0.097	0.030	1	06/22/17 18:20	06/25/17 15:34	208-96-8	D3
Anthracene	0.030 U	mg/kg	0.097	0.030	1	06/22/17 18:20	06/25/17 15:34	120-12-7	D3
Benzo(a)anthracene	0.10	mg/kg	0.097	0.028	1	06/22/17 18:20	06/25/17 15:34	56-55-3	D3
Benzo(a)pyrene	0.069 I	mg/kg	0.097	0.011	1	06/22/17 18:20	06/25/17 15:34	50-32-8	D3
Benzo(b)fluoranthene	0.10	mg/kg	0.097	0.073	1	06/22/17 18:20	06/25/17 15:34	205-99-2	D3
Benzo(g,h,i)perylene	0.039 I	mg/kg	0.097	0.035	1	06/22/17 18:20	06/25/17 15:34	191-24-2	D3
Benzo(k)fluoranthene	0.053 I	mg/kg	0.097	0.021	1	06/22/17 18:20	06/25/17 15:34	207-08-9	D3
Chrysene	0.064 I	mg/kg	0.097	0.035	1	06/22/17 18:20	06/25/17 15:34	218-01-9	D3
Dibenz(a,h)anthracene	0.049 U	mg/kg	0.097	0.049	1	06/22/17 18:20	06/25/17 15:34	53-70-3	D3
Fluoranthene	0.13	mg/kg	0.097	0.032	1	06/22/17 18:20	06/25/17 15:34	206-44-0	D3
Fluorene	0.044 U	mg/kg	0.097	0.044	1	06/22/17 18:20	06/25/17 15:34	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.057 I	mg/kg	0.097	0.049	1	06/22/17 18:20	06/25/17 15:34	193-39-5	D3
1-Methylnaphthalene	0.034 U	mg/kg	0.097	0.034	1	06/22/17 18:20	06/25/17 15:34	90-12-0	D3
2-Methylnaphthalene	0.039 U	mg/kg	0.097	0.039	1	06/22/17 18:20	06/25/17 15:34	91-57-6	D3
Naphthalene	0.032 U	mg/kg	0.097	0.032	1	06/22/17 18:20	06/25/17 15:34	91-20-3	D3
Phenanthrene	0.046 I	mg/kg	0.097	0.037	1	06/22/17 18:20	06/25/17 15:34	85-01-8	D3
Pyrene	0.13	mg/kg	0.097	0.049	1	06/22/17 18:20	06/25/17 15:34	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	101	%	16-123		1	06/22/17 18:20	06/25/17 15:34	4165-60-0	
2-Fluorobiphenyl (S)	51	%	32-129		1	06/22/17 18:20	06/25/17 15:34	321-60-8	
Terphenyl-d14 (S)	32	%	38-138		1	06/22/17 18:20	06/25/17 15:34	1718-51-0	J(S0)
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/23/17 09:43	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/23/17 09:43	75-34-3	
1,1-Dichloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0060	0.0031	1		06/23/17 09:43	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	526-73-8	N2
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	120-82-1	
1,2,4-Trimethylbenzene	0.0033 U	mg/kg	0.0060	0.0033	1		06/23/17 09:43	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18E25 (0-6") **Lab ID: 35319629011** Collected: 06/20/17 14:57 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	107-06-2	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	78-87-5	
1,3,5-Trimethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/23/17 09:43	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	541-73-1	
1,3-Dichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	142-28-9	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0060	0.0031	1		06/23/17 09:43	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	108-10-1	
Acetone	0.012 U	mg/kg	0.024	0.012	1		06/23/17 09:43	67-64-1	
Acetonitrile	0.030 U	mg/kg	0.060	0.030	1		06/23/17 09:43	75-05-8	
Benzene	0.0031 U	mg/kg	0.0060	0.0031	1		06/23/17 09:43	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	75-25-2	
Bromomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	108-90-7	
Chloroethane	0.0043 U	mg/kg	0.0060	0.0043	1		06/23/17 09:43	75-00-3	
Chloroform	0.0035 U	mg/kg	0.0060	0.0035	1		06/23/17 09:43	67-66-3	
Chloromethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/23/17 09:43	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0060	0.0032	1		06/23/17 09:43	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/23/17 09:43	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0060	0.0035	1		06/23/17 09:43	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	75-09-2	J(L1)
Styrene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	127-18-4	
Toluene	0.0032 U	mg/kg	0.0060	0.0032	1		06/23/17 09:43	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0060	0.0034	1		06/23/17 09:43	79-01-6	
Trichlorofluoromethane	0.0032 U	mg/kg	0.0060	0.0032	1		06/23/17 09:43	75-69-4	
Vinyl acetate	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	108-05-4	
Vinyl chloride	0.0032 U	mg/kg	0.0060	0.0032	1		06/23/17 09:43	75-01-4	
Xylene (Total)	0.0061 U	mg/kg	0.018	0.0061	1		06/23/17 09:43	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	10061-01-5	
m&p-Xylene	0.0061 U	mg/kg	0.012	0.0061	1		06/23/17 09:43	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18E25 (0-6") **Lab ID: 35319629011** Collected: 06/20/17 14:57 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0036 U	mg/kg	0.0060	0.0036	1		06/23/17 09:43	104-51-8	
n-Propylbenzene	0.0031 U	mg/kg	0.0060	0.0031	1		06/23/17 09:43	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0060	0.0031	1		06/23/17 09:43	95-47-6	
p-Isopropyltoluene	0.0036 U	mg/kg	0.0060	0.0036	1		06/23/17 09:43	99-87-6	
sec-Butylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/23/17 09:43	135-98-8	
tert-Butylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/23/17 09:43	98-06-6	
trans-1,2-Dichloroethene	0.0036 U	mg/kg	0.0060	0.0036	1		06/23/17 09:43	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0060	0.0030	1		06/23/17 09:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/23/17 09:43	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/23/17 09:43	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 09:43	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	31.5	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18E25 (6"-2') **Lab ID: 35319629012** Collected: 06/20/17 14:59 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	10.9	mg/kg	0.58	0.29	1	06/26/17 17:35	06/27/17 06:48	7440-38-2	
Lead	69.0	mg/kg	0.58	0.29	1	06/26/17 17:35	06/27/17 06:48	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.019	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 10:29	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.030 U	mg/kg	0.081	0.030	1	06/22/17 18:20	06/25/17 15:56	83-32-9	D3
Acenaphthylene	0.025 U	mg/kg	0.081	0.025	1	06/22/17 18:20	06/25/17 15:56	208-96-8	D3
Anthracene	0.025 U	mg/kg	0.081	0.025	1	06/22/17 18:20	06/25/17 15:56	120-12-7	D3
Benzo(a)anthracene	0.023 U	mg/kg	0.081	0.023	1	06/22/17 18:20	06/25/17 15:56	56-55-3	D3
Benzo(a)pyrene	0.0095 U	mg/kg	0.081	0.0095	1	06/22/17 18:20	06/25/17 15:56	50-32-8	D3
Benzo(b)fluoranthene	0.061 U	mg/kg	0.081	0.061	1	06/22/17 18:20	06/25/17 15:56	205-99-2	D3
Benzo(g,h,i)perylene	0.029 U	mg/kg	0.081	0.029	1	06/22/17 18:20	06/25/17 15:56	191-24-2	D3
Benzo(k)fluoranthene	0.018 U	mg/kg	0.081	0.018	1	06/22/17 18:20	06/25/17 15:56	207-08-9	D3
Chrysene	0.029 U	mg/kg	0.081	0.029	1	06/22/17 18:20	06/25/17 15:56	218-01-9	D3
Dibenz(a,h)anthracene	0.041 U	mg/kg	0.081	0.041	1	06/22/17 18:20	06/25/17 15:56	53-70-3	D3
Fluoranthene	0.026 U	mg/kg	0.081	0.026	1	06/22/17 18:20	06/25/17 15:56	206-44-0	D3
Fluorene	0.037 U	mg/kg	0.081	0.037	1	06/22/17 18:20	06/25/17 15:56	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.041 U	mg/kg	0.081	0.041	1	06/22/17 18:20	06/25/17 15:56	193-39-5	D3
1-Methylnaphthalene	0.029 U	mg/kg	0.081	0.029	1	06/22/17 18:20	06/25/17 15:56	90-12-0	D3
2-Methylnaphthalene	0.033 U	mg/kg	0.081	0.033	1	06/22/17 18:20	06/25/17 15:56	91-57-6	D3
Naphthalene	0.026 U	mg/kg	0.081	0.026	1	06/22/17 18:20	06/25/17 15:56	91-20-3	D3
Phenanthrene	0.031 U	mg/kg	0.081	0.031	1	06/22/17 18:20	06/25/17 15:56	85-01-8	D3
Pyrene	0.041 U	mg/kg	0.081	0.041	1	06/22/17 18:20	06/25/17 15:56	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	106	%	16-123		1	06/22/17 18:20	06/25/17 15:56	4165-60-0	
2-Fluorobiphenyl (S)	63	%	32-129		1	06/22/17 18:20	06/25/17 15:56	321-60-8	
Terphenyl-d14 (S)	31	%	38-138		1	06/22/17 18:20	06/25/17 15:56	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 19:18	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 19:18	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 19:18	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-18E25 (6"-2')** Lab ID: **35319629012** Collected: 06/20/17 14:59 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 19:18	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 19:18	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	108-10-1	
Acetone	0.30	mg/kg	0.020	0.0099	1		06/23/17 19:18	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/23/17 19:18	75-05-8	
Benzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/23/17 19:18	75-00-3	
Chloroform	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 19:18	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 19:18	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	74-95-3	
Dichlorodifluoromethane	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 19:18	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 19:18	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 19:18	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 19:18	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 19:18	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 19:18	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 19:18	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/23/17 19:18	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.0099	0.0051	1		06/23/17 19:18	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18E25 (6"-2') **Lab ID: 35319629012** Collected: 06/20/17 14:59 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/23/17 19:18	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 19:18	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 19:18	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/23/17 19:18	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 19:18	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 19:18	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0050	0.0030	1		06/23/17 19:18	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 19:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/23/17 19:18	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/23/17 19:18	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 19:18	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	20.2	%	0.10	0.10	1		06/24/17 15:25		J(D6)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18 (0-6") **Lab ID: 35319629013** Collected: 06/20/17 15:07 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	12.4	mg/kg	0.52	0.26	1	06/26/17 17:35	06/27/17 06:52	7440-38-2	
Lead	23.8	mg/kg	0.52	0.26	1	06/26/17 17:35	06/27/17 06:52	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.10	mg/L	0.010	0.0050	1	07/12/17 04:12	07/13/17 10:34	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 16:19	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 16:19	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 16:19	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.035	0.010	1	06/22/17 18:20	06/25/17 16:19	56-55-3	
Benzo(a)pyrene	0.024 I	mg/kg	0.035	0.0041	1	06/22/17 18:20	06/25/17 16:19	50-32-8	
Benzo(b)fluoranthene	0.030 I	mg/kg	0.035	0.026	1	06/22/17 18:20	06/25/17 16:19	205-99-2	
Benzo(g,h,i)perylene	0.019 I	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 16:19	191-24-2	
Benzo(k)fluoranthene	0.010 I	mg/kg	0.035	0.0076	1	06/22/17 18:20	06/25/17 16:19	207-08-9	
Chrysene	0.017 I	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 16:19	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.035	0.018	1	06/22/17 18:20	06/25/17 16:19	53-70-3	
Fluoranthene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 16:19	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/22/17 18:20	06/25/17 16:19	86-73-7	
Indeno(1,2,3-cd)pyrene	0.018 U	mg/kg	0.035	0.018	1	06/22/17 18:20	06/25/17 16:19	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 16:19	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/22/17 18:20	06/25/17 16:19	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 16:19	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 16:19	85-01-8	
Pyrene	0.018 U	mg/kg	0.035	0.018	1	06/22/17 18:20	06/25/17 16:19	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	99	%	16-123		1	06/22/17 18:20	06/25/17 16:19	4165-60-0	
2-Fluorobiphenyl (S)	67	%	32-129		1	06/22/17 18:20	06/25/17 16:19	321-60-8	
Terphenyl-d14 (S)	110	%	38-138		1	06/22/17 18:20	06/25/17 16:19	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/23/17 19:41	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/23/17 19:41	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0054	0.0030	1		06/23/17 19:41	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18 (0-6") **Lab ID: 35319629013** Collected: 06/20/17 15:07 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/23/17 19:41	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0054	0.0028	1		06/23/17 19:41	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	108-10-1	
Acetone	0.18	mg/kg	0.021	0.011	1		06/23/17 19:41	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.054	0.027	1		06/23/17 19:41	75-05-8	
Benzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0054	0.0038	1		06/23/17 19:41	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0054	0.0032	1		06/23/17 19:41	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/23/17 19:41	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/23/17 19:41	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0054	0.0030	1		06/23/17 19:41	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0054	0.0031	1		06/23/17 19:41	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	75-09-2	
Styrene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	127-18-4	
Toluene	0.0029 U	mg/kg	0.0054	0.0029	1		06/23/17 19:41	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0054	0.0030	1		06/23/17 19:41	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/23/17 19:41	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0054	0.0029	1		06/23/17 19:41	75-01-4	
Xylene (Total)	0.0055 U	mg/kg	0.016	0.0055	1		06/23/17 19:41	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	10061-01-5	
m&p-Xylene	0.0055 U	mg/kg	0.011	0.0055	1		06/23/17 19:41	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18 (0-6") **Lab ID: 35319629013** Collected: 06/20/17 15:07 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0032 U	mg/kg	0.0054	0.0032	1		06/23/17 19:41	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0054	0.0028	1		06/23/17 19:41	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0054	0.0028	1		06/23/17 19:41	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0054	0.0032	1		06/23/17 19:41	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/23/17 19:41	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/23/17 19:41	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0054	0.0033	1		06/23/17 19:41	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/23/17 19:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/23/17 19:41	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/23/17 19:41	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/23/17 19:41	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.9	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-18 (6"-2')** Lab ID: **35319629014** Collected: 06/20/17 15:09 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.2 U	mg/kg	14.4	7.2	20	06/26/17 17:35	06/27/17 21:52	7440-38-2	
Lead	14.9	mg/kg	14.4	7.2	20	06/26/17 17:35	06/27/17 21:52	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/11/17 14:14									
Arsenic	0.055	mg/L	0.010	0.0050	1	07/13/17 08:56	07/13/17 18:48	7440-38-2	Q
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.032 U	mg/kg	0.088	0.032	1	06/22/17 18:20	06/25/17 16:42	83-32-9	D3
Acenaphthylene	0.027 U	mg/kg	0.088	0.027	1	06/22/17 18:20	06/25/17 16:42	208-96-8	D3
Anthracene	0.027 U	mg/kg	0.088	0.027	1	06/22/17 18:20	06/25/17 16:42	120-12-7	D3
Benzo(a)anthracene	0.025 U	mg/kg	0.088	0.025	1	06/22/17 18:20	06/25/17 16:42	56-55-3	D3
Benzo(a)pyrene	0.010 U	mg/kg	0.088	0.010	1	06/22/17 18:20	06/25/17 16:42	50-32-8	D3
Benzo(b)fluoranthene	0.066 U	mg/kg	0.088	0.066	1	06/22/17 18:20	06/25/17 16:42	205-99-2	D3
Benzo(g,h,i)perylene	0.032 U	mg/kg	0.088	0.032	1	06/22/17 18:20	06/25/17 16:42	191-24-2	D3
Benzo(k)fluoranthene	0.019 U	mg/kg	0.088	0.019	1	06/22/17 18:20	06/25/17 16:42	207-08-9	D3
Chrysene	0.031 U	mg/kg	0.088	0.031	1	06/22/17 18:20	06/25/17 16:42	218-01-9	D3
Dibenz(a,h)anthracene	0.044 U	mg/kg	0.088	0.044	1	06/22/17 18:20	06/25/17 16:42	53-70-3	D3
Fluoranthene	0.029 U	mg/kg	0.088	0.029	1	06/22/17 18:20	06/25/17 16:42	206-44-0	D3
Fluorene	0.040 U	mg/kg	0.088	0.040	1	06/22/17 18:20	06/25/17 16:42	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.044 U	mg/kg	0.088	0.044	1	06/22/17 18:20	06/25/17 16:42	193-39-5	D3
1-Methylnaphthalene	0.031 U	mg/kg	0.088	0.031	1	06/22/17 18:20	06/25/17 16:42	90-12-0	D3
2-Methylnaphthalene	0.036 U	mg/kg	0.088	0.036	1	06/22/17 18:20	06/25/17 16:42	91-57-6	D3
Naphthalene	0.028 U	mg/kg	0.088	0.028	1	06/22/17 18:20	06/25/17 16:42	91-20-3	D3
Phenanthrene	0.033 U	mg/kg	0.088	0.033	1	06/22/17 18:20	06/25/17 16:42	85-01-8	D3
Pyrene	0.044 U	mg/kg	0.088	0.044	1	06/22/17 18:20	06/25/17 16:42	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	111	%	16-123		1	06/22/17 18:20	06/25/17 16:42	4165-60-0	
2-Fluorobiphenyl (S)	64	%	32-129		1	06/22/17 18:20	06/25/17 16:42	321-60-8	
Terphenyl-d14 (S)	72	%	38-138		1	06/22/17 18:20	06/25/17 16:42	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 20:04	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 20:04	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 20:04	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 20:04	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18 (6"-2') **Lab ID: 35319629014** Collected: 06/20/17 15:09 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 20:04	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 20:04	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	108-10-1	
Acetone	0.052	mg/kg	0.020	0.010	1		06/23/17 20:04	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/23/17 20:04	75-05-8	
Benzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 20:04	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/23/17 20:04	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0050	0.0030	1		06/23/17 20:04	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 20:04	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 20:04	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 20:04	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 20:04	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 20:04	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/23/17 20:04	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 20:04	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/23/17 20:04	75-01-4	
Xylene (Total)	0.0052 U	mg/kg	0.015	0.0052	1		06/23/17 20:04	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	10061-01-5	
m&p-Xylene	0.0052 U	mg/kg	0.010	0.0052	1		06/23/17 20:04	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18 (6"-2') **Lab ID: 35319629014** Collected: 06/20/17 15:09 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/23/17 20:04	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 20:04	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/23/17 20:04	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/23/17 20:04	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 20:04	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/23/17 20:04	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0050	0.0031	1		06/23/17 20:04	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/23/17 20:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/23/17 20:04	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/23/17 20:04	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/23/17 20:04	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	24.5	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18W25 (0-6") **Lab ID: 35319629015** Collected: 06/20/17 15:17 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.3	mg/kg	0.81	0.40	1	06/26/17 17:35	06/27/17 07:00	7440-38-2	
Lead	63.3	mg/kg	0.81	0.40	1	06/26/17 17:35	06/27/17 07:00	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/11/17 14:14									
Arsenic	0.0090 I	mg/L	0.010	0.0050	1	07/13/17 08:56	07/13/17 18:56	7440-38-2	Q
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 U	mg/kg	0.043	0.016	1	06/22/17 18:20	06/25/17 17:05	83-32-9	
Acenaphthylene	0.014 U	mg/kg	0.043	0.014	1	06/22/17 18:20	06/25/17 17:05	208-96-8	
Anthracene	0.013 U	mg/kg	0.043	0.013	1	06/22/17 18:20	06/25/17 17:05	120-12-7	
Benzo(a)anthracene	0.060	mg/kg	0.043	0.013	1	06/22/17 18:20	06/25/17 17:05	56-55-3	
Benzo(a)pyrene	0.077	mg/kg	0.043	0.0051	1	06/22/17 18:20	06/25/17 17:05	50-32-8	
Benzo(b)fluoranthene	0.098	mg/kg	0.043	0.033	1	06/22/17 18:20	06/25/17 17:05	205-99-2	
Benzo(g,h,i)perylene	0.062	mg/kg	0.043	0.016	1	06/22/17 18:20	06/25/17 17:05	191-24-2	
Benzo(k)fluoranthene	0.068	mg/kg	0.043	0.0094	1	06/22/17 18:20	06/25/17 17:05	207-08-9	
Chrysene	0.061	mg/kg	0.043	0.015	1	06/22/17 18:20	06/25/17 17:05	218-01-9	
Dibenz(a,h)anthracene	0.022 U	mg/kg	0.043	0.022	1	06/22/17 18:20	06/25/17 17:05	53-70-3	
Fluoranthene	0.088	mg/kg	0.043	0.014	1	06/22/17 18:20	06/25/17 17:05	206-44-0	
Fluorene	0.020 U	mg/kg	0.043	0.020	1	06/22/17 18:20	06/25/17 17:05	86-73-7	
Indeno(1,2,3-cd)pyrene	0.052	mg/kg	0.043	0.022	1	06/22/17 18:20	06/25/17 17:05	193-39-5	
1-Methylnaphthalene	0.015 U	mg/kg	0.043	0.015	1	06/22/17 18:20	06/25/17 17:05	90-12-0	
2-Methylnaphthalene	0.018 U	mg/kg	0.043	0.018	1	06/22/17 18:20	06/25/17 17:05	91-57-6	
Naphthalene	0.014 U	mg/kg	0.043	0.014	1	06/22/17 18:20	06/25/17 17:05	91-20-3	
Phenanthrene	0.016 U	mg/kg	0.043	0.016	1	06/22/17 18:20	06/25/17 17:05	85-01-8	
Pyrene	0.091	mg/kg	0.043	0.022	1	06/22/17 18:20	06/25/17 17:05	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	96	%	16-123		1	06/22/17 18:20	06/25/17 17:05	4165-60-0	
2-Fluorobiphenyl (S)	45	%	32-129		1	06/22/17 18:20	06/25/17 17:05	321-60-8	
Terphenyl-d14 (S)	43	%	38-138		1	06/22/17 18:20	06/25/17 17:05	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 04:36	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 04:36	75-34-3	
1,1-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 04:36	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	526-73-8	N2
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	120-82-1	
1,2,4-Trimethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 04:36	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18W25 (0-6") **Lab ID: 35319629015** Collected: 06/20/17 15:17 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	107-06-2	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	78-87-5	
1,3,5-Trimethylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 04:36	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	541-73-1	
1,3-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	142-28-9	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 04:36	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	108-10-1	
Acetone	0.012 U	mg/kg	0.024	0.012	1		06/24/17 04:36	67-64-1	
Acetonitrile	0.030 U	mg/kg	0.061	0.030	1		06/24/17 04:36	75-05-8	
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 04:36	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	75-25-2	
Bromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	108-90-7	
Chloroethane	0.0044 U	mg/kg	0.0061	0.0044	1		06/24/17 04:36	75-00-3	
Chloroform	0.0036 U	mg/kg	0.0061	0.0036	1		06/24/17 04:36	67-66-3	
Chloromethane	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 04:36	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0061	0.0032	1		06/24/17 04:36	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 04:36	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 04:36	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	75-09-2	
Styrene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	127-18-4	
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 04:36	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 04:36	79-01-6	
Trichlorofluoromethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 04:36	75-69-4	
Vinyl acetate	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 04:36	108-05-4	
Vinyl chloride	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 04:36	75-01-4	
Xylene (Total)	0.0062 U	mg/kg	0.018	0.0062	1		06/24/17 04:36	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	10061-01-5	
m&p-Xylene	0.0062 U	mg/kg	0.012	0.0062	1		06/24/17 04:36	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18W25 (0-6") **Lab ID: 35319629015** Collected: 06/20/17 15:17 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0037 U	mg/kg	0.0061	0.0037	1		06/24/17 04:36	104-51-8	
n-Propylbenzene	0.0032 U	mg/kg	0.0061	0.0032	1		06/24/17 04:36	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 04:36	95-47-6	
p-Isopropyltoluene	0.0037 U	mg/kg	0.0061	0.0037	1		06/24/17 04:36	99-87-6	
sec-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 04:36	135-98-8	
tert-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 04:36	98-06-6	
trans-1,2-Dichloroethene	0.0037 U	mg/kg	0.0061	0.0037	1		06/24/17 04:36	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 04:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/24/17 04:36	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/24/17 04:36	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/24/17 04:36	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	23.8	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18W25 (6"-2') **Lab ID: 35319629016** Collected: 06/20/17 15:19 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.2	mg/kg	0.56	0.28	1	06/26/17 17:35	06/27/17 07:04	7440-38-2	
Lead	6.6	mg/kg	0.56	0.28	1	06/26/17 17:35	06/27/17 07:04	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/11/17 14:14									
Arsenic	0.011	mg/L	0.010	0.0050	1	07/13/17 08:56	07/13/17 19:08	7440-38-2	Q
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/22/17 18:20	06/25/17 17:27	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/22/17 18:20	06/25/17 17:27	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/22/17 18:20	06/25/17 17:27	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.037	0.011	1	06/22/17 18:20	06/25/17 17:27	56-55-3	
Benzo(a)pyrene	0.0044 U	mg/kg	0.037	0.0044	1	06/22/17 18:20	06/25/17 17:27	50-32-8	
Benzo(b)fluoranthene	0.028 U	mg/kg	0.037	0.028	1	06/22/17 18:20	06/25/17 17:27	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.037	0.014	1	06/22/17 18:20	06/25/17 17:27	191-24-2	
Benzo(k)fluoranthene	0.0081 U	mg/kg	0.037	0.0081	1	06/22/17 18:20	06/25/17 17:27	207-08-9	
Chrysene	0.013 U	mg/kg	0.037	0.013	1	06/22/17 18:20	06/25/17 17:27	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/22/17 18:20	06/25/17 17:27	53-70-3	
Fluoranthene	0.012 U	mg/kg	0.037	0.012	1	06/22/17 18:20	06/25/17 17:27	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/22/17 18:20	06/25/17 17:27	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019 U	mg/kg	0.037	0.019	1	06/22/17 18:20	06/25/17 17:27	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.037	0.013	1	06/22/17 18:20	06/25/17 17:27	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/22/17 18:20	06/25/17 17:27	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/22/17 18:20	06/25/17 17:27	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.037	0.014	1	06/22/17 18:20	06/25/17 17:27	85-01-8	
Pyrene	0.019 U	mg/kg	0.037	0.019	1	06/22/17 18:20	06/25/17 17:27	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	103	%	16-123		1	06/22/17 18:20	06/25/17 17:27	4165-60-0	
2-Fluorobiphenyl (S)	58	%	32-129		1	06/22/17 18:20	06/25/17 17:27	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/22/17 18:20	06/25/17 17:27	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	630-20-6	
1,1,1-Trichloroethane	0.0024 U	mg/kg	0.0044	0.0024	1		06/24/17 04:59	71-55-6	
1,1,2,2-Tetrachloroethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	79-34-5	
1,1,2-Trichloroethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	79-00-5	
1,1-Dichloroethane	0.0024 U	mg/kg	0.0044	0.0024	1		06/24/17 04:59	75-34-3	
1,1-Dichloroethene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	75-35-4	
1,1-Dichloropropene	0.0023 U	mg/kg	0.0044	0.0023	1		06/24/17 04:59	563-58-6	
1,2,3-Trichlorobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	87-61-6	
1,2,3-Trichloropropane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	96-18-4	
1,2,3-Trimethylbenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	526-73-8	N2
1,2,4-Trichlorobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	120-82-1	
1,2,4-Trimethylbenzene	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	95-63-6	
1,2-Dichlorobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-18W25 (6"-2')** Lab ID: **35319629016** Collected: 06/20/17 15:19 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	107-06-2	
1,2-Dichloropropane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	78-87-5	
1,3,5-Trimethylbenzene	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	108-67-8	
1,3-Dichlorobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	541-73-1	
1,3-Dichloropropane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	142-28-9	
1,4-Dichlorobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	106-46-7	
2,2-Dichloropropane	0.0023 U	mg/kg	0.0044	0.0023	1		06/24/17 04:59	594-20-7	
2-Butanone (MEK)	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	78-93-3	
2-Chlorotoluene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	95-49-8	
2-Hexanone	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	591-78-6	
4-Chlorotoluene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	108-10-1	
Acetone	0.14	mg/kg	0.018	0.0088	1		06/24/17 04:59	67-64-1	
Acetonitrile	0.022 U	mg/kg	0.044	0.022	1		06/24/17 04:59	75-05-8	
Benzene	0.0023 U	mg/kg	0.0044	0.0023	1		06/24/17 04:59	71-43-2	
Bromobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	108-86-1	
Bromochloromethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	74-97-5	
Bromodichloromethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	75-27-4	
Bromoform	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	75-25-2	
Bromomethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	74-83-9	
Carbon disulfide	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	75-15-0	
Carbon tetrachloride	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	56-23-5	
Chlorobenzene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	108-90-7	
Chloroethane	0.0032 U	mg/kg	0.0044	0.0032	1		06/24/17 04:59	75-00-3	
Chloroform	0.0026 U	mg/kg	0.0044	0.0026	1		06/24/17 04:59	67-66-3	
Chloromethane	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	74-87-3	
Dibromochloromethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	124-48-1	
Dibromomethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	74-95-3	
Dichlorodifluoromethane	0.0023 U	mg/kg	0.0044	0.0023	1		06/24/17 04:59	75-71-8	
Ethylbenzene	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	100-41-4	
Iodomethane	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	74-88-4	
Isopropylbenzene (Cumene)	0.0026 U	mg/kg	0.0044	0.0026	1		06/24/17 04:59	98-82-8	
Methyl-tert-butyl ether	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	1634-04-4	
Methylene Chloride	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	75-09-2	
Styrene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	100-42-5	
Tetrachloroethene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	127-18-4	
Toluene	0.0024 U	mg/kg	0.0044	0.0024	1		06/24/17 04:59	108-88-3	
Trichloroethene	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	79-01-6	
Trichlorofluoromethane	0.0024 U	mg/kg	0.0044	0.0024	1		06/24/17 04:59	75-69-4	
Vinyl acetate	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	108-05-4	
Vinyl chloride	0.0024 U	mg/kg	0.0044	0.0024	1		06/24/17 04:59	75-01-4	
Xylene (Total)	0.0045 U	mg/kg	0.013	0.0045	1		06/24/17 04:59	1330-20-7	
cis-1,2-Dichloroethene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	156-59-2	
cis-1,3-Dichloropropene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	10061-01-5	
m&p-Xylene	0.0045 U	mg/kg	0.0088	0.0045	1		06/24/17 04:59	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-18W25 (6"-2') **Lab ID: 35319629016** Collected: 06/20/17 15:19 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0027 U	mg/kg	0.0044	0.0027	1		06/24/17 04:59	104-51-8	
n-Propylbenzene	0.0023 U	mg/kg	0.0044	0.0023	1		06/24/17 04:59	103-65-1	
o-Xylene	0.0023 U	mg/kg	0.0044	0.0023	1		06/24/17 04:59	95-47-6	
p-Isopropyltoluene	0.0027 U	mg/kg	0.0044	0.0027	1		06/24/17 04:59	99-87-6	
sec-Butylbenzene	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	135-98-8	
tert-Butylbenzene	0.0025 U	mg/kg	0.0044	0.0025	1		06/24/17 04:59	98-06-6	
trans-1,2-Dichloroethene	0.0027 U	mg/kg	0.0044	0.0027	1		06/24/17 04:59	156-60-5	
trans-1,3-Dichloropropene	0.0022 U	mg/kg	0.0044	0.0022	1		06/24/17 04:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/24/17 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/24/17 04:59	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/24/17 04:59	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.7	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20E25 (0-6") Lab ID: 35319629017 Collected: 06/20/17 16:02 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.44 I	mg/kg	0.64	0.32	1	06/26/17 17:35	06/27/17 07:08	7440-38-2	
Lead	3.2 U	mg/kg	6.4	3.2	10	06/26/17 17:35	06/27/17 21:58	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.055	mg/kg	0.034	0.012	1	06/22/17 18:20	06/23/17 16:14	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.034	0.011	1	06/22/17 18:20	06/23/17 16:14	208-96-8	
Anthracene	0.10	mg/kg	0.034	0.010	1	06/22/17 18:20	06/23/17 16:14	120-12-7	J(M1)
Benzo(a)anthracene	0.10	mg/kg	0.034	0.0098	1	06/22/17 18:20	06/23/17 16:14	56-55-3	J(M1)
Benzo(a)pyrene	0.097	mg/kg	0.034	0.0040	1	06/22/17 18:20	06/23/17 16:14	50-32-8	J(M1)
Benzo(b)fluoranthene	0.11	mg/kg	0.034	0.026	1	06/22/17 18:20	06/23/17 16:14	205-99-2	J(M1), J(R1)
Benzo(g,h,i)perylene	0.050	mg/kg	0.034	0.012	1	06/22/17 18:20	06/23/17 16:14	191-24-2	
Benzo(k)fluoranthene	0.070	mg/kg	0.034	0.0073	1	06/22/17 18:20	06/23/17 16:14	207-08-9	J(M1)
Chrysene	0.13	mg/kg	0.034	0.012	1	06/22/17 18:20	06/23/17 16:14	218-01-9	J(M1), J(R1)
Dibenz(a,h)anthracene	0.017 U	mg/kg	0.034	0.017	1	06/22/17 18:20	06/23/17 16:14	53-70-3	
Fluoranthene	0.36	mg/kg	0.034	0.011	1	06/22/17 18:20	06/23/17 16:14	206-44-0	J(M1), J(R1)
Fluorene	0.067	mg/kg	0.034	0.015	1	06/22/17 18:20	06/23/17 16:14	86-73-7	
Indeno(1,2,3-cd)pyrene	0.044	mg/kg	0.034	0.017	1	06/22/17 18:20	06/23/17 16:14	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.034	0.012	1	06/22/17 18:20	06/23/17 16:14	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.034	0.014	1	06/22/17 18:20	06/23/17 16:14	91-57-6	
Naphthalene	0.011 U	mg/kg	0.034	0.011	1	06/22/17 18:20	06/23/17 16:14	91-20-3	
Phenanthrene	0.34	mg/kg	0.034	0.013	1	06/22/17 18:20	06/23/17 16:14	85-01-8	J(M1), J(R1)
Pyrene	0.27	mg/kg	0.034	0.017	1	06/22/17 18:20	06/23/17 16:14	129-00-0	J(M1), J(R1)
Surrogates									
Nitrobenzene-d5 (S)	59	%	16-123		1	06/22/17 18:20	06/23/17 16:14	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/22/17 18:20	06/23/17 16:14	321-60-8	
Terphenyl-d14 (S)	78	%	38-138		1	06/22/17 18:20	06/23/17 16:14	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	630-20-6	
1,1,1-Trichloroethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 05:22	71-55-6	
1,1,2,2-Tetrachloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	79-34-5	
1,1,2-Trichloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	79-00-5	
1,1-Dichloroethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 05:22	75-34-3	
1,1-Dichloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 05:22	563-58-6	
1,2,3-Trichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	87-61-6	
1,2,3-Trichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	96-18-4	
1,2,3-Trimethylbenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	526-73-8	N2
1,2,4-Trichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 05:22	95-63-6	
1,2-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-20E25 (0-6")** Lab ID: **35319629017** Collected: 06/20/17 16:02 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	107-06-2	
1,2-Dichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	78-87-5	
1,3,5-Trimethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 05:22	108-67-8	
1,3-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	541-73-1	
1,3-Dichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	142-28-9	
1,4-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 05:22	594-20-7	
2-Butanone (MEK)	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	78-93-3	
2-Chlorotoluene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	95-49-8	
2-Hexanone	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	591-78-6	
4-Chlorotoluene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	108-10-1	
Acetone	0.033	mg/kg	0.018	0.0092	1		06/24/17 05:22	67-64-1	
Acetonitrile	0.023 U	mg/kg	0.046	0.023	1		06/24/17 05:22	75-05-8	
Benzene	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 05:22	71-43-2	
Bromobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	108-86-1	
Bromochloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	74-97-5	
Bromodichloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	75-27-4	
Bromoform	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	75-25-2	
Bromomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	74-83-9	
Carbon disulfide	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	75-15-0	
Carbon tetrachloride	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	56-23-5	
Chlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	108-90-7	
Chloroethane	0.0033 U	mg/kg	0.0046	0.0033	1		06/24/17 05:22	75-00-3	
Chloroform	0.0027 U	mg/kg	0.0046	0.0027	1		06/24/17 05:22	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 05:22	74-87-3	
Dibromochloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	124-48-1	
Dibromomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	74-95-3	
Dichlorodifluoromethane	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 05:22	75-71-8	
Ethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 05:22	100-41-4	
Iodomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0046	0.0027	1		06/24/17 05:22	98-82-8	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	1634-04-4	
Methylene Chloride	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	75-09-2	
Styrene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	100-42-5	
Tetrachloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	127-18-4	
Toluene	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 05:22	108-88-3	
Trichloroethene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 05:22	79-01-6	
Trichlorofluoromethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 05:22	75-69-4	
Vinyl acetate	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 05:22	75-01-4	
Xylene (Total)	0.0047 U	mg/kg	0.014	0.0047	1		06/24/17 05:22	1330-20-7	
cis-1,2-Dichloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	156-59-2	
cis-1,3-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	10061-01-5	
m&p-Xylene	0.0071 I	mg/kg	0.0092	0.0047	1		06/24/17 05:22	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20E25 (0-6") **Lab ID: 35319629017** Collected: 06/20/17 16:02 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0028 U	mg/kg	0.0046	0.0028	1		06/24/17 05:22	104-51-8	
n-Propylbenzene	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 05:22	103-65-1	
o-Xylene	0.0027 I	mg/kg	0.0046	0.0024	1		06/24/17 05:22	95-47-6	
p-Isopropyltoluene	0.0028 U	mg/kg	0.0046	0.0028	1		06/24/17 05:22	99-87-6	
sec-Butylbenzene	0.0027 U	mg/kg	0.0046	0.0027	1		06/24/17 05:22	135-98-8	
tert-Butylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 05:22	98-06-6	
trans-1,2-Dichloroethene	0.0028 U	mg/kg	0.0046	0.0028	1		06/24/17 05:22	156-60-5	
trans-1,3-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 05:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/24/17 05:22	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/24/17 05:22	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 05:22	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	2.6	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-20E25 (6"-2')** Lab ID: **35319629018** Collected: 06/20/17 16:04 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.0	mg/kg	0.74	0.37	1	06/26/17 17:35	06/27/17 07:20	7440-38-2	
Lead	5.4 I	mg/kg	7.4	3.7	10	06/26/17 17:35	06/27/17 22:03	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.036 U	mg/kg	0.098	0.036	1	06/22/17 18:20	06/25/17 17:50	83-32-9	D3
Acenaphthylene	0.030 U	mg/kg	0.098	0.030	1	06/22/17 18:20	06/25/17 17:50	208-96-8	D3
Anthracene	0.030 U	mg/kg	0.098	0.030	1	06/22/17 18:20	06/25/17 17:50	120-12-7	D3
Benzo(a)anthracene	0.028 U	mg/kg	0.098	0.028	1	06/22/17 18:20	06/25/17 17:50	56-55-3	D3
Benzo(a)pyrene	0.011 U	mg/kg	0.098	0.011	1	06/22/17 18:20	06/25/17 17:50	50-32-8	D3
Benzo(b)fluoranthene	0.074 U	mg/kg	0.098	0.074	1	06/22/17 18:20	06/25/17 17:50	205-99-2	D3
Benzo(g,h,i)perylene	0.035 U	mg/kg	0.098	0.035	1	06/22/17 18:20	06/25/17 17:50	191-24-2	D3
Benzo(k)fluoranthene	0.021 U	mg/kg	0.098	0.021	1	06/22/17 18:20	06/25/17 17:50	207-08-9	D3
Chrysene	0.035 U	mg/kg	0.098	0.035	1	06/22/17 18:20	06/25/17 17:50	218-01-9	D3
Dibenz(a,h)anthracene	0.049 U	mg/kg	0.098	0.049	1	06/22/17 18:20	06/25/17 17:50	53-70-3	D3
Fluoranthene	0.032 U	mg/kg	0.098	0.032	1	06/22/17 18:20	06/25/17 17:50	206-44-0	D3
Fluorene	0.044 U	mg/kg	0.098	0.044	1	06/22/17 18:20	06/25/17 17:50	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.049 U	mg/kg	0.098	0.049	1	06/22/17 18:20	06/25/17 17:50	193-39-5	D3
1-Methylnaphthalene	0.035 U	mg/kg	0.098	0.035	1	06/22/17 18:20	06/25/17 17:50	90-12-0	D3
2-Methylnaphthalene	0.040 U	mg/kg	0.098	0.040	1	06/22/17 18:20	06/25/17 17:50	91-57-6	D3
Naphthalene	0.032 U	mg/kg	0.098	0.032	1	06/22/17 18:20	06/25/17 17:50	91-20-3	D3
Phenanthrene	0.037 U	mg/kg	0.098	0.037	1	06/22/17 18:20	06/25/17 17:50	85-01-8	D3
Pyrene	0.049 U	mg/kg	0.098	0.049	1	06/22/17 18:20	06/25/17 17:50	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	112	%	16-123		1	06/22/17 18:20	06/25/17 17:50	4165-60-0	
2-Fluorobiphenyl (S)	60	%	32-129		1	06/22/17 18:20	06/25/17 17:50	321-60-8	
Terphenyl-d14 (S)	50	%	38-138		1	06/22/17 18:20	06/25/17 17:50	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	630-20-6	
1,1,1-Trichloroethane	0.0037 U	mg/kg	0.0068	0.0037	1		06/24/17 05:45	71-55-6	
1,1,2,2-Tetrachloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	79-34-5	
1,1,2-Trichloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	79-00-5	
1,1-Dichloroethane	0.0037 U	mg/kg	0.0068	0.0037	1		06/24/17 05:45	75-34-3	
1,1-Dichloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	75-35-4	
1,1-Dichloropropene	0.0035 U	mg/kg	0.0068	0.0035	1		06/24/17 05:45	563-58-6	
1,2,3-Trichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	87-61-6	
1,2,3-Trichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	96-18-4	
1,2,3-Trimethylbenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	526-73-8	N2
1,2,4-Trichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	120-82-1	
1,2,4-Trimethylbenzene	0.0038 U	mg/kg	0.0068	0.0038	1		06/24/17 05:45	95-63-6	
1,2-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	95-50-1	
1,2-Dichloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	107-06-2	
1,2-Dichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	78-87-5	
1,3,5-Trimethylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		06/24/17 05:45	108-67-8	
1,3-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-20E25 (6"-2')** Lab ID: **35319629018** Collected: 06/20/17 16:04 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	142-28-9	
1,4-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	106-46-7	
2,2-Dichloropropane	0.0035 U	mg/kg	0.0068	0.0035	1		06/24/17 05:45	594-20-7	
2-Butanone (MEK)	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	78-93-3	
2-Chlorotoluene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	95-49-8	
2-Hexanone	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	591-78-6	
4-Chlorotoluene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	108-10-1	
Acetone	0.074	mg/kg	0.027	0.014	1		06/24/17 05:45	67-64-1	
Acetonitrile	0.034 U	mg/kg	0.068	0.034	1		06/24/17 05:45	75-05-8	
Benzene	0.0035 U	mg/kg	0.0068	0.0035	1		06/24/17 05:45	71-43-2	
Bromobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	108-86-1	
Bromochloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	74-97-5	
Bromodichloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	75-27-4	
Bromoform	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	75-25-2	
Bromomethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	74-83-9	
Carbon disulfide	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	75-15-0	
Carbon tetrachloride	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	56-23-5	
Chlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	108-90-7	
Chloroethane	0.0049 U	mg/kg	0.0068	0.0049	1		06/24/17 05:45	75-00-3	
Chloroform	0.0040 U	mg/kg	0.0068	0.0040	1		06/24/17 05:45	67-66-3	
Chloromethane	0.0038 U	mg/kg	0.0068	0.0038	1		06/24/17 05:45	74-87-3	
Dibromochloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	124-48-1	
Dibromomethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	74-95-3	
Dichlorodifluoromethane	0.0036 U	mg/kg	0.0068	0.0036	1		06/24/17 05:45	75-71-8	
Ethylbenzene	0.0038 U	mg/kg	0.0068	0.0038	1		06/24/17 05:45	100-41-4	
Iodomethane	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	74-88-4	
Isopropylbenzene (Cumene)	0.0039 U	mg/kg	0.0068	0.0039	1		06/24/17 05:45	98-82-8	
Methyl-tert-butyl ether	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	1634-04-4	
Methylene Chloride	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	75-09-2	
Styrene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	100-42-5	
Tetrachloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	127-18-4	
Toluene	0.0036 U	mg/kg	0.0068	0.0036	1		06/24/17 05:45	108-88-3	
Trichloroethene	0.0038 U	mg/kg	0.0068	0.0038	1		06/24/17 05:45	79-01-6	
Trichlorofluoromethane	0.0037 U	mg/kg	0.0068	0.0037	1		06/24/17 05:45	75-69-4	
Vinyl acetate	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	108-05-4	
Vinyl chloride	0.0036 U	mg/kg	0.0068	0.0036	1		06/24/17 05:45	75-01-4	
Xylene (Total)	0.0069 U	mg/kg	0.020	0.0069	1		06/24/17 05:45	1330-20-7	
cis-1,2-Dichloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	156-59-2	
cis-1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	10061-01-5	
m&p-Xylene	0.0069 U	mg/kg	0.014	0.0069	1		06/24/17 05:45	179601-23-1	
n-Butylbenzene	0.0041 U	mg/kg	0.0068	0.0041	1		06/24/17 05:45	104-51-8	
n-Propylbenzene	0.0036 U	mg/kg	0.0068	0.0036	1		06/24/17 05:45	103-65-1	
o-Xylene	0.0035 U	mg/kg	0.0068	0.0035	1		06/24/17 05:45	95-47-6	
p-Isopropyltoluene	0.0041 U	mg/kg	0.0068	0.0041	1		06/24/17 05:45	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20E25 (6"-2') **Lab ID: 35319629018** Collected: 06/20/17 16:04 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		06/24/17 05:45	135-98-8	
tert-Butylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		06/24/17 05:45	98-06-6	
trans-1,2-Dichloroethene	0.0041 U	mg/kg	0.0068	0.0041	1		06/24/17 05:45	156-60-5	
trans-1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		06/24/17 05:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/24/17 05:45	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/24/17 05:45	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/24/17 05:45	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	32.1	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20 (0-6") **Lab ID: 35319629019** Collected: 06/20/17 16:22 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	0.98	mg/kg	0.53	0.26	1	06/26/17 17:35	06/27/17 07:24	7440-38-2	
Lead	2.8 I	mg/kg	5.3	2.6	10	06/26/17 17:35	06/27/17 22:08	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 18:13	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:13	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:13	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.035	0.010	1	06/22/17 18:20	06/25/17 18:13	56-55-3	
Benzo(a)pyrene	0.0041 U	mg/kg	0.035	0.0041	1	06/22/17 18:20	06/25/17 18:13	50-32-8	
Benzo(b)fluoranthene	0.026 U	mg/kg	0.035	0.026	1	06/22/17 18:20	06/25/17 18:13	205-99-2	
Benzo(g,h,i)perylene	0.012 U	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 18:13	191-24-2	
Benzo(k)fluoranthene	0.0075 U	mg/kg	0.035	0.0075	1	06/22/17 18:20	06/25/17 18:13	207-08-9	
Chrysene	0.012 U	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 18:13	218-01-9	
Dibenz(a,h)anthracene	0.017 U	mg/kg	0.035	0.017	1	06/22/17 18:20	06/25/17 18:13	53-70-3	
Fluoranthene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:13	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/22/17 18:20	06/25/17 18:13	86-73-7	
Indeno(1,2,3-cd)pyrene	0.017 U	mg/kg	0.035	0.017	1	06/22/17 18:20	06/25/17 18:13	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 18:13	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/22/17 18:20	06/25/17 18:13	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:13	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 18:13	85-01-8	
Pyrene	0.017 U	mg/kg	0.035	0.017	1	06/22/17 18:20	06/25/17 18:13	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	105	%	16-123		1	06/22/17 18:20	06/25/17 18:13	4165-60-0	
2-Fluorobiphenyl (S)	61	%	32-129		1	06/22/17 18:20	06/25/17 18:13	321-60-8	
Terphenyl-d14 (S)	79	%	38-138		1	06/22/17 18:20	06/25/17 18:13	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 06:08	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 06:08	75-34-3	
1,1-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 06:08	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	526-73-8	N2
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	120-82-1	
1,2,4-Trimethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 06:08	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	95-50-1	
1,2-Dichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	107-06-2	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	78-87-5	
1,3,5-Trimethylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 06:08	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20 (0-6") **Lab ID: 35319629019** Collected: 06/20/17 16:22 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	142-28-9	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	106-46-7	
2,2-Dichloropropane	0.0032 U	mg/kg	0.0061	0.0032	1		06/24/17 06:08	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	78-93-3	
2-Chlorotoluene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 06:08	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	108-10-1	
Acetone	0.12	mg/kg	0.024	0.012	1		06/24/17 06:08	67-64-1	
Acetonitrile	0.030 U	mg/kg	0.061	0.030	1		06/24/17 06:08	75-05-8	
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 06:08	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	75-25-2	
Bromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	108-90-7	
Chloroethane	0.0044 U	mg/kg	0.0061	0.0044	1		06/24/17 06:08	75-00-3	
Chloroform	0.0036 U	mg/kg	0.0061	0.0036	1		06/24/17 06:08	67-66-3	
Chloromethane	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 06:08	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0061	0.0032	1		06/24/17 06:08	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 06:08	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 06:08	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	75-09-2	
Styrene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	127-18-4	
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 06:08	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0061	0.0034	1		06/24/17 06:08	79-01-6	
Trichlorofluoromethane	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 06:08	75-69-4	
Vinyl acetate	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 06:08	108-05-4	
Vinyl chloride	0.0033 U	mg/kg	0.0061	0.0033	1		06/24/17 06:08	75-01-4	
Xylene (Total)	0.0063 U	mg/kg	0.018	0.0063	1		06/24/17 06:08	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	10061-01-5	
m&p-Xylene	0.0063 U	mg/kg	0.012	0.0063	1		06/24/17 06:08	179601-23-1	
n-Butylbenzene	0.0037 U	mg/kg	0.0061	0.0037	1		06/24/17 06:08	104-51-8	
n-Propylbenzene	0.0032 U	mg/kg	0.0061	0.0032	1		06/24/17 06:08	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0061	0.0031	1		06/24/17 06:08	95-47-6	
p-Isopropyltoluene	0.0037 U	mg/kg	0.0061	0.0037	1		06/24/17 06:08	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20 (0-6") **Lab ID: 35319629019** Collected: 06/20/17 16:22 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 06:08	135-98-8	
tert-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		06/24/17 06:08	98-06-6	
trans-1,2-Dichloroethene	0.0037 U	mg/kg	0.0061	0.0037	1		06/24/17 06:08	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		06/24/17 06:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		06/24/17 06:08	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/24/17 06:08	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 06:08	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.7	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20 (6"-2') **Lab ID: 35319629020** Collected: 06/20/17 16:24 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.5	mg/kg	0.59	0.29	1	06/26/17 17:35	06/27/17 07:29	7440-38-2	
Lead	5.7	mg/kg	0.59	0.29	1	06/26/17 17:35	06/27/17 07:29	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 18:36	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:36	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:36	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.035	0.010	1	06/22/17 18:20	06/25/17 18:36	56-55-3	
Benzo(a)pyrene	0.0041 U	mg/kg	0.035	0.0041	1	06/22/17 18:20	06/25/17 18:36	50-32-8	
Benzo(b)fluoranthene	0.026 U	mg/kg	0.035	0.026	1	06/22/17 18:20	06/25/17 18:36	205-99-2	
Benzo(g,h,i)perylene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 18:36	191-24-2	
Benzo(k)fluoranthene	0.0076 U	mg/kg	0.035	0.0076	1	06/22/17 18:20	06/25/17 18:36	207-08-9	
Chrysene	0.012 U	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 18:36	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.035	0.018	1	06/22/17 18:20	06/25/17 18:36	53-70-3	
Fluoranthene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:36	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/22/17 18:20	06/25/17 18:36	86-73-7	
Indeno(1,2,3-cd)pyrene	0.018 U	mg/kg	0.035	0.018	1	06/22/17 18:20	06/25/17 18:36	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/22/17 18:20	06/25/17 18:36	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/22/17 18:20	06/25/17 18:36	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/22/17 18:20	06/25/17 18:36	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/22/17 18:20	06/25/17 18:36	85-01-8	
Pyrene	0.018 U	mg/kg	0.035	0.018	1	06/22/17 18:20	06/25/17 18:36	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	105	%	16-123		1	06/22/17 18:20	06/25/17 18:36	4165-60-0	
2-Fluorobiphenyl (S)	61	%	32-129		1	06/22/17 18:20	06/25/17 18:36	321-60-8	
Terphenyl-d14 (S)	77	%	38-138		1	06/22/17 18:20	06/25/17 18:36	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	630-20-6	
1,1,1-Trichloroethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 06:31	71-55-6	
1,1,2,2-Tetrachloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	79-34-5	
1,1,2-Trichloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	79-00-5	
1,1-Dichloroethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 06:31	75-34-3	
1,1-Dichloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	75-35-4	
1,1-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	563-58-6	
1,2,3-Trichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	87-61-6	
1,2,3-Trichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	96-18-4	
1,2,3-Trimethylbenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	526-73-8	N2
1,2,4-Trichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	95-63-6	
1,2-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	95-50-1	
1,2-Dichloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	107-06-2	
1,2-Dichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	78-87-5	
1,3,5-Trimethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	108-67-8	
1,3-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20 (6"-2') **Lab ID: 35319629020** Collected: 06/20/17 16:24 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	142-28-9	
1,4-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 06:31	594-20-7	
2-Butanone (MEK)	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	78-93-3	
2-Chlorotoluene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	95-49-8	
2-Hexanone	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	591-78-6	
4-Chlorotoluene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	108-10-1	
Acetone	0.044	mg/kg	0.018	0.0091	1		06/24/17 06:31	67-64-1	
Acetonitrile	0.023 U	mg/kg	0.046	0.023	1		06/24/17 06:31	75-05-8	
Benzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	71-43-2	
Bromobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	108-86-1	
Bromochloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	74-97-5	
Bromodichloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	75-27-4	
Bromoform	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	75-25-2	
Bromomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	74-83-9	
Carbon disulfide	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	75-15-0	
Carbon tetrachloride	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	56-23-5	
Chlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	108-90-7	
Chloroethane	0.0033 U	mg/kg	0.0046	0.0033	1		06/24/17 06:31	75-00-3	
Chloroform	0.0027 U	mg/kg	0.0046	0.0027	1		06/24/17 06:31	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	74-87-3	
Dibromochloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	124-48-1	
Dibromomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	74-95-3	
Dichlorodifluoromethane	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 06:31	75-71-8	
Ethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	100-41-4	
Iodomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	74-88-4	
Isopropylbenzene (Cumene)	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	98-82-8	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	1634-04-4	
Methylene Chloride	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	75-09-2	
Styrene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	100-42-5	
Tetrachloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	127-18-4	
Toluene	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 06:31	108-88-3	
Trichloroethene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	79-01-6	
Trichlorofluoromethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 06:31	75-69-4	
Vinyl acetate	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0046	0.0025	1		06/24/17 06:31	75-01-4	
Xylene (Total)	0.0047 U	mg/kg	0.014	0.0047	1		06/24/17 06:31	1330-20-7	
cis-1,2-Dichloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	156-59-2	
cis-1,3-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	10061-01-5	
m&p-Xylene	0.0047 U	mg/kg	0.0091	0.0047	1		06/24/17 06:31	179601-23-1	
n-Butylbenzene	0.0027 U	mg/kg	0.0046	0.0027	1		06/24/17 06:31	104-51-8	
n-Propylbenzene	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 06:31	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0046	0.0024	1		06/24/17 06:31	95-47-6	
p-Isopropyltoluene	0.0027 U	mg/kg	0.0046	0.0027	1		06/24/17 06:31	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20 (6"-2') **Lab ID: 35319629020** Collected: 06/20/17 16:24 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	135-98-8	
tert-Butylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/24/17 06:31	98-06-6	
trans-1,2-Dichloroethene	0.0028 U	mg/kg	0.0046	0.0028	1		06/24/17 06:31	156-60-5	
trans-1,3-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/24/17 06:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/24/17 06:31	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/24/17 06:31	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/24/17 06:31	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.2	%	0.10	0.10	1		06/24/17 15:25		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-20W40 (0-6")** Lab ID: **35319629021** Collected: 06/20/17 16:42 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	0.43 I	mg/kg	0.53	0.26	1	06/26/17 10:14	06/26/17 20:33	7440-38-2	
Lead	2.6 U	mg/kg	5.3	2.6	10	06/26/17 10:14	06/27/17 05:17	7439-92-1	D3
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/23/17 03:03	06/23/17 14:25	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/23/17 03:03	06/23/17 14:25	208-96-8	
Anthracene	0.011 U	mg/kg	0.036	0.011	1	06/23/17 03:03	06/23/17 14:25	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.036	0.010	1	06/23/17 03:03	06/23/17 14:25	56-55-3	
Benzo(a)pyrene	0.0047 I	mg/kg	0.036	0.0042	1	06/23/17 03:03	06/23/17 14:25	50-32-8	
Benzo(b)fluoranthene	0.027 U	mg/kg	0.036	0.027	1	06/23/17 03:03	06/23/17 14:25	205-99-2	
Benzo(g,h,i)perylene	0.013 U	mg/kg	0.036	0.013	1	06/23/17 03:03	06/23/17 14:25	191-24-2	
Benzo(k)fluoranthene	0.0078 U	mg/kg	0.036	0.0078	1	06/23/17 03:03	06/23/17 14:25	207-08-9	
Chrysene	0.013 U	mg/kg	0.036	0.013	1	06/23/17 03:03	06/23/17 14:25	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/23/17 03:03	06/23/17 14:25	53-70-3	
Fluoranthene	0.012 U	mg/kg	0.036	0.012	1	06/23/17 03:03	06/23/17 14:25	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/23/17 03:03	06/23/17 14:25	86-73-7	
Indeno(1,2,3-cd)pyrene	0.018 U	mg/kg	0.036	0.018	1	06/23/17 03:03	06/23/17 14:25	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/23/17 03:03	06/23/17 14:25	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/23/17 03:03	06/23/17 14:25	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/23/17 03:03	06/23/17 14:25	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.036	0.014	1	06/23/17 03:03	06/23/17 14:25	85-01-8	
Pyrene	0.018 U	mg/kg	0.036	0.018	1	06/23/17 03:03	06/23/17 14:25	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	16-123		1	06/23/17 03:03	06/23/17 14:25	4165-60-0	
2-Fluorobiphenyl (S)	47	%	32-129		1	06/23/17 03:03	06/23/17 14:25	321-60-8	
Terphenyl-d14 (S)	64	%	38-138		1	06/23/17 03:03	06/23/17 14:25	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/24/17 06:55	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/24/17 06:55	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/24/17 06:55	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	95-50-1	
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/24/17 06:55	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20W40 (0-6") **Lab ID: 35319629021** Collected: 06/20/17 16:42 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/24/17 06:55	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	108-10-1	
Acetone	0.054	mg/kg	0.020	0.0099	1		06/24/17 06:55	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/24/17 06:55	75-05-8	
Benzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/24/17 06:55	75-00-3	
Chloroform	0.0029 U	mg/kg	0.0050	0.0029	1		06/24/17 06:55	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/24/17 06:55	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	74-95-3	
Dichlorodifluoromethane	0.0026 U	mg/kg	0.0050	0.0026	1		06/24/17 06:55	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/24/17 06:55	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/24/17 06:55	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/24/17 06:55	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/24/17 06:55	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/24/17 06:55	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/24/17 06:55	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/24/17 06:55	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.0099	0.0051	1		06/24/17 06:55	179601-23-1	
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/24/17 06:55	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/24/17 06:55	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/24/17 06:55	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/24/17 06:55	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20W40 (0-6") **Lab ID: 35319629021** Collected: 06/20/17 16:42 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/24/17 06:55	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/24/17 06:55	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0050	0.0030	1		06/24/17 06:55	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/24/17 06:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/24/17 06:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/24/17 06:55	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 06:55	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.9	%	0.10	0.10	1		06/24/17 15:25		J(D6)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-20W40 (6"-2')** Lab ID: **35319629022** Collected: 06/20/17 16:44 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.2	mg/kg	0.61	0.30	1	06/26/17 10:14	06/26/17 20:37	7440-38-2	
Lead	3.1	mg/kg	0.61	0.30	1	06/26/17 10:14	06/26/17 20:37	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.067 U	mg/kg	0.18	0.067	5	06/23/17 03:03	06/23/17 14:48	83-32-9	
Acenaphthylene	0.057 U	mg/kg	0.18	0.057	5	06/23/17 03:03	06/23/17 14:48	208-96-8	
Anthracene	0.28	mg/kg	0.18	0.056	5	06/23/17 03:03	06/23/17 14:48	120-12-7	
Benzo(a)anthracene	1.2	mg/kg	0.18	0.053	5	06/23/17 03:03	06/23/17 14:48	56-55-3	
Benzo(a)pyrene	0.88	mg/kg	0.18	0.021	5	06/23/17 03:03	06/23/17 14:48	50-32-8	
Benzo(b)fluoranthene	1.4	mg/kg	0.18	0.14	5	06/23/17 03:03	06/23/17 14:48	205-99-2	
Benzo(g,h,i)perylene	0.70	mg/kg	0.18	0.065	5	06/23/17 03:03	06/23/17 14:48	191-24-2	
Benzo(k)fluoranthene	0.56	mg/kg	0.18	0.039	5	06/23/17 03:03	06/23/17 14:48	207-08-9	
Chrysene	0.88	mg/kg	0.18	0.065	5	06/23/17 03:03	06/23/17 14:48	218-01-9	
Dibenz(a,h)anthracene	0.20	mg/kg	0.18	0.092	5	06/23/17 03:03	06/23/17 14:48	53-70-3	
Fluoranthene	3.0	mg/kg	0.18	0.059	5	06/23/17 03:03	06/23/17 14:48	206-44-0	
Fluorene	0.13 I	mg/kg	0.18	0.082	5	06/23/17 03:03	06/23/17 14:48	86-73-7	
Indeno(1,2,3-cd)pyrene	0.63	mg/kg	0.18	0.092	5	06/23/17 03:03	06/23/17 14:48	193-39-5	
1-Methylnaphthalene	0.064 U	mg/kg	0.18	0.064	5	06/23/17 03:03	06/23/17 14:48	90-12-0	
2-Methylnaphthalene	0.074 U	mg/kg	0.18	0.074	5	06/23/17 03:03	06/23/17 14:48	91-57-6	
Naphthalene	0.059 U	mg/kg	0.18	0.059	5	06/23/17 03:03	06/23/17 14:48	91-20-3	
Phenanthrene	1.5	mg/kg	0.18	0.069	5	06/23/17 03:03	06/23/17 14:48	85-01-8	
Pyrene	1.9	mg/kg	0.18	0.092	5	06/23/17 03:03	06/23/17 14:48	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	76	%	16-123		5	06/23/17 03:03	06/23/17 14:48	4165-60-0	
2-Fluorobiphenyl (S)	51	%	32-129		5	06/23/17 03:03	06/23/17 14:48	321-60-8	
Terphenyl-d14 (S)	42	%	38-138		5	06/23/17 03:03	06/23/17 14:48	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/24/17 07:18	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/24/17 07:18	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0052	0.0027	1		06/24/17 07:18	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/24/17 07:18	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/24/17 07:18	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: **SB-20W40 (6"-2')** Lab ID: **35319629022** Collected: 06/20/17 16:44 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/24/17 07:18	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	108-10-1	
Acetone	0.046	mg/kg	0.021	0.010	1		06/24/17 07:18	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/24/17 07:18	75-05-8	
Benzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/24/17 07:18	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0052	0.0038	1		06/24/17 07:18	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/24/17 07:18	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/24/17 07:18	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/24/17 07:18	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/24/17 07:18	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/24/17 07:18	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/24/17 07:18	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0052	0.0030	1		06/24/17 07:18	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/24/17 07:18	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/24/17 07:18	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/24/17 07:18	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.010	0.0054	1		06/24/17 07:18	179601-23-1	
n-Butylbenzene	0.0032 U	mg/kg	0.0052	0.0032	1		06/24/17 07:18	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0052	0.0028	1		06/24/17 07:18	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/24/17 07:18	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0052	0.0032	1		06/24/17 07:18	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Sample: SB-20W40 (6"-2') **Lab ID: 35319629022** Collected: 06/20/17 16:44 Received: 06/21/17 19:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/24/17 07:18	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/24/17 07:18	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/24/17 07:18	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/24/17 07:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/24/17 07:18	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/24/17 07:18	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 07:18	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.0	%	0.10	0.10	1		06/24/17 15:25		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

QC Batch: 377489

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004

METHOD BLANK: 2045132

Matrix: Solid

Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0096	0.0048	06/28/17 13:51	

LABORATORY CONTROL SAMPLE: 2045133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.098	0.092	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2045134 2045135

Parameter	Units	35318965001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.48	1.2	1.2	1.4	0.063 U	75	-34	80-120		20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 377226 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35319629021, 35319629022

METHOD BLANK: 2043730 Matrix: Solid
Associated Lab Samples: 35319629021, 35319629022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.28 U	0.55	0.28	06/28/17 04:38	
Lead	mg/kg	0.28 U	0.55	0.28	06/28/17 04:38	

LABORATORY CONTROL SAMPLE: 2043731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	13.4	13.2	99	80-120	
Lead	mg/kg	13.4	14.6	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043732 2043733

Parameter	Units	35319608008		2043732		2043733		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Result	MSD Spike Conc.	MS % Rec	MSD % Rec				
Arsenic	mg/kg	3.2	13.8	16.3	15.9	18.8	92	96	75-125	17	20
Lead	mg/kg	8.9	13.8	16.3	19.7	26.0	78	105	75-125	28	20 J(R1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 377313 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007, 35319629008, 35319629009, 35319629010, 35319629011, 35319629012, 35319629013, 35319629014, 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020

METHOD BLANK: 2044053 Matrix: Solid
Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007, 35319629008, 35319629009, 35319629010, 35319629011, 35319629012, 35319629013, 35319629014, 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	06/27/17 18:30	
Barium	mg/kg	0.30 U	0.60	0.30	06/27/17 18:30	
Cadmium	mg/kg	0.030 U	0.060	0.030	06/27/17 18:30	
Chromium	mg/kg	0.15 U	0.30	0.15	06/27/17 18:30	
Lead	mg/kg	0.30 U	0.60	0.30	06/27/17 18:30	
Selenium	mg/kg	0.45 U	0.90	0.45	06/27/17 18:30	
Silver	mg/kg	0.15 U	0.30	0.15	06/27/17 18:30	

LABORATORY CONTROL SAMPLE: 2044054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	12.8	12.6	98	80-120	
Barium	mg/kg	12.8	13.3	104	80-120	
Cadmium	mg/kg	1.3	1.3	105	80-120	
Chromium	mg/kg	12.8	14.4	112	80-120	
Lead	mg/kg	12.8	14.0	110	80-120	
Selenium	mg/kg	12.8	11.8	92	80-120	
Silver	mg/kg	1.3	1.4	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2044055 2044056

Parameter	Units	MS		MSD		% Rec		% Rec	% Rec	% Rec	Limits	Max RPD	Qual
		35319629001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec						
Arsenic	mg/kg	3.9	14.3	18.3	15.9	18.7	83	81	75-125	16	20		
Barium	mg/kg	34.0	14.3	18.3	45.3	44.6	79	58	75-125	2	20	J(M1)	
Cadmium	mg/kg	0.26	1.5	1.9	1.6	1.8	90	84	75-125	15	20		
Chromium	mg/kg	7.0	14.3	18.3	21.3	24.2	100	94	75-125	13	20		
Lead	mg/kg	66.2	14.3	18.3	70.5	72.4	30	34	75-125	3	20	J(M1)	
Selenium	mg/kg	0.56 U	14.3	18.3	8.9	11.6	62	63	75-125	26	20	J(M1), J(R1)	
Silver	mg/kg	0.19 U	1.5	1.9	1.7	2.3	113	122	75-125	31	20	J(R1)	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 379527 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35319629002, 35319629003, 35319629004, 35319629006, 35319629008, 35319629010

METHOD BLANK: 2057214 Matrix: Water
Associated Lab Samples: 35319629002, 35319629003, 35319629004, 35319629006, 35319629008, 35319629010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/08/17 21:55	

LABORATORY CONTROL SAMPLE & LCSD: 2057215 2057220

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/L	.25	0.26	0.27	104	108	80-120	3	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

QC Batch: 380320

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET SPLP

Associated Lab Samples: 35319629011, 35319629012, 35319629013

METHOD BLANK: 2061944

Matrix: Water

Associated Lab Samples: 35319629011, 35319629012, 35319629013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/13/17 00:50	

LABORATORY CONTROL SAMPLE: 2061945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.25	0.25	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2061946 2061947

Parameter	Units	2061946		2061947		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35319629011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Arsenic	mg/L	0.013	.5	.5	0.29	0.28	54	53	75-125	3	20 J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

QC Batch: 380673

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET SPLP

Associated Lab Samples: 35319629014, 35319629015, 35319629016

METHOD BLANK: 2064153

Matrix: Water

Associated Lab Samples: 35319629014, 35319629015, 35319629016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/13/17 18:36	

LABORATORY CONTROL SAMPLE & LCSD: 2064154

2064160

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Arsenic	mg/L	.25	0.24	0.25	98	101	80-120	3	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 376728 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007, 35319629008, 35319629009, 35319629010, 35319629011

METHOD BLANK: 2040341 Matrix: Solid
Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007, 35319629008, 35319629009, 35319629010, 35319629011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Acetone	mg/kg	0.0099 U	0.020	0.0099	06/23/17 00:52	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/23/17 00:52	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/23/17 00:52	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

METHOD BLANK: 2040341 Matrix: Solid
Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007, 35319629008, 35319629009, 35319629010, 35319629011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
m&p-Xylene	mg/kg	0.0051 U	0.0099	0.0051	06/23/17 00:52	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Methylene Chloride	mg/kg	0.015	0.0050	0.0025	06/23/17 00:52	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 00:52	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 00:52	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 00:52	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 00:52	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 00:52	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 00:52	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 00:52	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 00:52	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/23/17 00:52	
1,2-Dichloroethane-d4 (S)	%	100	80-131		06/23/17 00:52	
4-Bromofluorobenzene (S)	%	99	55-148		06/23/17 00:52	
Toluene-d8 (S)	%	101	84-117		06/23/17 00:52	

Parameter	Units	2040342		2043743		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec				
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.019	0.019	94	96	70-130	2	40
1,1,1-Trichloroethane	mg/kg	.02	0.021	0.021	107	106	68-130	1	40
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.018	0.018	92	93	70-130	1	40
1,1,2-Trichloroethane	mg/kg	.02	0.019	0.020	99	103	70-130	4	40
1,1-Dichloroethane	mg/kg	.02	0.021	0.021	106	106	69-130	0	40
1,1-Dichloroethene	mg/kg	.02	0.023	0.023	115	116	67-130	1	40
1,1-Dichloropropene	mg/kg	.02	0.021	0.021	105	105	70-130	1	40
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	0.020	101	100	70-130	1	40
1,2,3-Trichloropropane	mg/kg	.02	0.019	0.020	95	100	70-130	5	40
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	0.019	93	95	67-130	2	40 N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE & LCSD: 2040342		2043743								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	.02	0.019	0.019	98	98	70-130	0	40	
1,2,4-Trimethylbenzene	mg/kg	.02	0.018	0.017	89	88	70-130	1	40	
1,2-Dichlorobenzene	mg/kg	.02	0.019	0.019	97	96	70-130	1	40	
1,2-Dichloroethane	mg/kg	.02	0.021	0.021	107	107	70-130	0	40	
1,2-Dichloropropane	mg/kg	.02	0.020	0.020	100	100	70-130	0	40	
1,3,5-Trimethylbenzene	mg/kg	.02	0.018	0.018	93	93	70-130	0	40	
1,3-Dichlorobenzene	mg/kg	.02	0.019	0.019	98	98	70-130	0	40	
1,3-Dichloropropane	mg/kg	.02	0.019	0.020	97	101	70-130	5	40	
1,4-Dichlorobenzene	mg/kg	.02	0.019	0.019	98	97	70-130	1	40	
2,2-Dichloropropane	mg/kg	.02	0.019	0.020	98	101	70-130	4	40	
2-Butanone (MEK)	mg/kg	.039	0.035	0.036	89	91	51-161	2	40	
2-Chlorotoluene	mg/kg	.02	0.018	0.018	93	93	70-130	0	40	
2-Hexanone	mg/kg	.039	0.031	0.032	78	81	59-137	3	40	
4-Chlorotoluene	mg/kg	.02	0.018	0.018	94	94	70-130	0	40	
4-Methyl-2-pentanone (MIBK)	mg/kg	.039	0.035	0.035	88	88	64-143	0	40	
Acetone	mg/kg	.039	0.052	0.043	133	109	32-175	20	40	
Acetonitrile	mg/kg	.2	0.18	0.18	89	91	68-131	1	40	
Benzene	mg/kg	.02	0.021	0.021	105	105	70-130	0	40	
Bromobenzene	mg/kg	.02	0.018	0.018	93	94	70-130	1	40	
Bromochloromethane	mg/kg	.02	0.021	0.023	109	115	70-130	5	40	
Bromodichloromethane	mg/kg	.02	0.019	0.019	96	95	70-130	1	40	
Bromoform	mg/kg	.02	0.014	0.015	72	75	70-130	3	40	
Bromomethane	mg/kg	.02	0.013	0.013	68	66	42-156	2	40	
Carbon disulfide	mg/kg	.02	0.017	0.017	89	88	49-152	1	40	
Carbon tetrachloride	mg/kg	.02	0.020	0.019	100	96	65-132	5	40	
Chlorobenzene	mg/kg	.02	0.020	0.020	102	103	70-130	1	40	
Chloroethane	mg/kg	.02	0.023	0.023	118	117	56-146	1	40	
Chloroform	mg/kg	.02	0.021	0.021	107	107	69-130	1	40	
Chloromethane	mg/kg	.02	0.016	0.016	83	83	50-145	1	40	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	0.020	104	102	70-130	2	40	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	0.019	95	97	70-130	2	40	
Dibromochloromethane	mg/kg	.02	0.017	0.018	88	92	70-130	4	40	
Dibromomethane	mg/kg	.02	0.021	0.021	105	107	68-133	1	40	
Dichlorodifluoromethane	mg/kg	.02	0.016	0.015	81	78	58-138	4	40	
Ethylbenzene	mg/kg	.02	0.019	0.019	98	99	70-130	1	40	
Iodomethane	mg/kg	.039	0.032	0.033	80	84	59-142	4	40	
Isopropylbenzene (Cumene)	mg/kg	.02	0.019	0.020	99	100	70-130	1	40	
m&p-Xylene	mg/kg	.039	0.037	0.038	95	96	70-130	1	40	
Methyl-tert-butyl ether	mg/kg	.02	0.018	0.020	90	99	70-130	10	40	
Methylene Chloride	mg/kg	.02	0.033	0.029	170	149	40-159	13	40	J(L1)
n-Butylbenzene	mg/kg	.02	0.018	0.018	93	92	70-130	2	40	
n-Propylbenzene	mg/kg	.02	0.019	0.018	94	93	70-130	1	40	
o-Xylene	mg/kg	.02	0.018	0.018	93	93	70-130	1	40	
p-Isopropyltoluene	mg/kg	.02	0.018	0.018	93	93	70-130	0	40	
sec-Butylbenzene	mg/kg	.02	0.018	0.018	94	94	70-130	0	40	
Styrene	mg/kg	.02	0.019	0.019	97	98	70-130	1	40	
tert-Butylbenzene	mg/kg	.02	0.018	0.018	94	94	70-130	0	40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE & LCSD: 2040342		2043743								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	mg/kg	.02	0.019	0.020	97	101	63-130	4	40	
Toluene	mg/kg	.02	0.020	0.020	100	101	70-130	1	40	
trans-1,2-Dichloroethene	mg/kg	.02	0.024	0.023	121	115	70-130	5	40	
trans-1,3-Dichloropropene	mg/kg	.02	0.018	0.018	89	93	70-130	4	40	
Trichloroethene	mg/kg	.02	0.021	0.021	108	106	69-130	2	40	
Trichlorofluoromethane	mg/kg	.02	0.025	0.025	128	126	67-130	2	40	
Vinyl acetate	mg/kg	.02	0.017	0.017	85	88	53-146	3	40	
Vinyl chloride	mg/kg	.02	0.016	0.016	81	79	67-130	2	40	
Xylene (Total)	mg/kg	.059	0.056	0.056	94	95	70-130	1	40	
1,2-Dichloroethane-d4 (S)	%				102	102	80-131		40	
4-Bromofluorobenzene (S)	%				102	102	55-148		40	
Toluene-d8 (S)	%				103	101	84-117		40	

MATRIX SPIKE SAMPLE: 2043734		35319661001		Spike		MS		% Rec		Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits		
1,1,1,2-Tetrachloroethane	mg/kg	0.0029 U	.02	0.0099	49			42-130		
1,1,1-Trichloroethane	mg/kg	0.0032 U	.02	0.019	92			42-131		
1,1,2,2-Tetrachloroethane	mg/kg	0.0029 U	.02	0.013	63			50-130		
1,1,2-Trichloroethane	mg/kg	0.0029 U	.02	0.016	78			59-130		
1,1-Dichloroethane	mg/kg	0.0032 U	.02	0.020	100			50-130		
1,1-Dichloroethene	mg/kg	0.0029 U	.02	0.022	112			51-130		
1,1-Dichloropropene	mg/kg	0.0030 U	.02	0.015	77			41-130		
1,2,3-Trichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	9			20-143	J(M1)	
1,2,3-Trichloropropane	mg/kg	0.0029 U	.02	0.013	64			49-130		
1,2,3-Trimethylbenzene	mg/kg	0.0029 U	.02	0.0026 I	13			20-130	J(M1),N2	
1,2,4-Trichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	7			20-142	J(M1)	
1,2,4-Trimethylbenzene	mg/kg	0.0033 U	.02	0.0028 U	11			20-133	J(M1)	
1,2-Dichlorobenzene	mg/kg	0.0029 U	.02	0.0028 I	14			20-134	J(M1)	
1,2-Dichloroethane	mg/kg	0.0029 U	.02	0.018	91			57-130		
1,2-Dichloropropane	mg/kg	0.0029 U	.02	0.016	81			52-130		
1,3,5-Trimethylbenzene	mg/kg	0.0034 U	.02	0.0029 U	13			26-130	J(M1)	
1,3-Dichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	12			20-133	J(M1)	
1,3-Dichloropropane	mg/kg	0.0029 U	.02	0.014	70			57-130		
1,4-Dichlorobenzene	mg/kg	0.0029 U	.02	0.0025 U	11			20-134	J(M1)	
2,2-Dichloropropane	mg/kg	0.0030 U	.02	0.019	94			35-130		
2-Butanone (MEK)	mg/kg	0.0029 U	.041	0.035	86			20-217		
2-Chlorotoluene	mg/kg	0.0029 U	.02	0.0032 I	16			26-130	J(M1)	
2-Hexanone	mg/kg	0.0029 U	.041	0.025	62			20-136		
4-Chlorotoluene	mg/kg	0.0029 U	.02	0.0025 U	12			21-132	J(M1)	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0029 U	.041	0.031	76			21-151		
Acetone	mg/kg	0.012 U	.041	0.041	101			20-219		
Acetonitrile	mg/kg	0.029 U	.2	0.17	82			32-150		
Benzene	mg/kg	0.0030 U	.02	0.016	80			24-141		
Bromobenzene	mg/kg	0.0029 U	.02	0.0043 I	21			20-138		

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

MATRIX SPIKE SAMPLE: 2043734		35319661001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	mg/kg	0.0029 U	.02	0.020	99	53-141	
Bromodichloromethane	mg/kg	0.0029 U	.02	0.014	67	20-155	
Bromoform	mg/kg	0.0029 U	.02	0.0065	32	30-130	
Bromomethane	mg/kg	0.0029 U	.02	0.016	79	22-152	
Carbon disulfide	mg/kg	0.0029 U	.02	0.012	58	20-160	
Carbon tetrachloride	mg/kg	0.0029 U	.02	0.016	78	23-141	
Chlorobenzene	mg/kg	0.0029 U	.02	0.0061	30	34-130	J(M1)
Chloroethane	mg/kg	0.0042 U	.02	0.026	129	43-146	
Chloroform	mg/kg	0.0034 U	.02	0.018	88	42-132	
Chloromethane	mg/kg	0.0033 U	.02	0.021	106	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0029 U	.02	0.016	82	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0029 U	.02	0.011	55	33-132	
Dibromochloromethane	mg/kg	0.0029 U	.02	0.010	52	20-151	
Dibromomethane	mg/kg	0.0029 U	.02	0.017	84	49-137	
Dichlorodifluoromethane	mg/kg	0.0031 U	.02	0.032	158	39-130	J(M1)
Ethylbenzene	mg/kg	0.0033 U	.02	0.0061	30	30-130	
Iodomethane	mg/kg	0.0029 U	.041	0.030	75	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0034 U	.02	0.0041 I	20	28-130	J(M1)
m&p-Xylene	mg/kg	0.0060 U	.041	0.0096 I	24	27-150	J(M1)
Methyl-tert-butyl ether	mg/kg	0.0029 U	.02	0.015	74	31-156	
Methylene Chloride	mg/kg	0.0029 U	.02	0.014	68	20-150	
n-Butylbenzene	mg/kg	0.0035 U	.02	0.0030 U	5	20-132	J(M1)
n-Propylbenzene	mg/kg	0.0031 U	.02	0.0027 I	13	24-130	J(M1)
o-Xylene	mg/kg	0.0030 U	.02	0.0051	26	27-150	J(M1)
p-Isopropyltoluene	mg/kg	0.0035 U	.02	0.0030 U	7	20-133	J(M1)
sec-Butylbenzene	mg/kg	0.0034 U	.02	0.0029 U	11	20-131	J(M1)
Styrene	mg/kg	0.0029 U	.02	0.0038 I	19	20-137	J(M1)
tert-Butylbenzene	mg/kg	0.0034 U	.02	0.0032 I	16	20-131	J(M1)
Tetrachloroethene	mg/kg	0.0029 U	.02	0.0081	40	23-144	
Toluene	mg/kg	0.0031 U	.02	0.0099	49	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0035 U	.02	0.020	100	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0029 U	.02	0.0097	48	33-130	
Trichloroethene	mg/kg	0.0033 U	.02	0.013	63	42-130	
Trichlorofluoromethane	mg/kg	0.0032 U	.02	0.031	154	40-130	J(M1)
Vinyl acetate	mg/kg	0.0029 U	.02	0.0046 I	23	20-156	
Vinyl chloride	mg/kg	0.0031 U	.02	0.024	117	47-130	
Xylene (Total)	mg/kg	0.0060 U	.06	0.0052 U	9	26-130	MS
1,2-Dichloroethane-d4 (S)	%				98	80-131	
4-Bromofluorobenzene (S)	%				99	55-148	
Toluene-d8 (S)	%				100	84-117	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 376905 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35319629012, 35319629013, 35319629014

METHOD BLANK: 2041349 Matrix: Solid
Associated Lab Samples: 35319629012, 35319629013, 35319629014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 11:57	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 11:57	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 11:57	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 11:57	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 11:57	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Acetone	mg/kg	0.0099 U	0.020	0.0099	06/23/17 11:57	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/23/17 11:57	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/23/17 11:57	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 11:57	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 11:57	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

METHOD BLANK: 2041349 Matrix: Solid
Associated Lab Samples: 35319629012, 35319629013, 35319629014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 11:57	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 11:57	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 11:57	
m&p-Xylene	mg/kg	0.0051 U	0.0099	0.0051	06/23/17 11:57	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Methylene Chloride	mg/kg	0.015	0.0050	0.0025	06/23/17 11:57	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 11:57	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 11:57	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/23/17 11:57	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 11:57	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 11:57	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/23/17 11:57	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 11:57	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/23/17 11:57	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/23/17 11:57	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 11:57	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/23/17 11:57	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/23/17 11:57	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/23/17 11:57	
1,2-Dichloroethane-d4 (S)	%	98	80-131		06/23/17 11:57	
4-Bromofluorobenzene (S)	%	101	55-148		06/23/17 11:57	
Toluene-d8 (S)	%	101	84-117		06/23/17 11:57	

LABORATORY CONTROL SAMPLE: 2041350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	100	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	100	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	101	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	107	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	100	69-130	
1,1-Dichloroethene	mg/kg	.02	0.022	108	67-130	
1,1-Dichloropropene	mg/kg	.02	0.021	108	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.021	103	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	106	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.019	94	67-130 N2	
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	103	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	94	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE: 2041350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2-Dichloroethane	mg/kg	.02	0.021	103	70-130	
1,2-Dichloropropane	mg/kg	.02	0.020	101	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	98	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	100	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	108	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	100	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	97	70-130	
2-Butanone (MEK)	mg/kg	.04	0.036	91	51-161	
2-Chlorotoluene	mg/kg	.02	0.020	99	70-130	
2-Hexanone	mg/kg	.04	0.035	89	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	99	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.036	90	64-143	
Acetone	mg/kg	.04	0.045	113	32-175	
Acetonitrile	mg/kg	.2	0.17	85	68-131	
Benzene	mg/kg	.02	0.022	108	70-130	
Bromobenzene	mg/kg	.02	0.019	96	70-130	
Bromochloromethane	mg/kg	.02	0.022	110	70-130	
Bromodichloromethane	mg/kg	.02	0.019	95	70-130	
Bromoform	mg/kg	.02	0.014	71	70-130	
Bromomethane	mg/kg	.02	0.015	73	42-156	
Carbon disulfide	mg/kg	.02	0.014	73	49-152	
Carbon tetrachloride	mg/kg	.02	0.019	94	65-132	
Chlorobenzene	mg/kg	.02	0.021	105	70-130	
Chloroethane	mg/kg	.02	0.022	109	56-146	
Chloroform	mg/kg	.02	0.020	102	69-130	
Chloromethane	mg/kg	.02	0.017	88	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	101	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.020	100	70-130	
Dibromochloromethane	mg/kg	.02	0.018	92	70-130	
Dibromomethane	mg/kg	.02	0.021	106	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.021	106	58-138	
Ethylbenzene	mg/kg	.02	0.021	104	70-130	
Iodomethane	mg/kg	.04	0.029	73	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	103	70-130	
m&p-Xylene	mg/kg	.04	0.040	99	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.018	90	70-130	
Methylene Chloride	mg/kg	.02	0.030	149	40-159	
n-Butylbenzene	mg/kg	.02	0.019	95	70-130	
n-Propylbenzene	mg/kg	.02	0.020	101	70-130	
o-Xylene	mg/kg	.02	0.020	99	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	95	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	100	70-130	
Styrene	mg/kg	.02	0.020	100	70-130	
tert-Butylbenzene	mg/kg	.02	0.020	99	70-130	
Tetrachloroethene	mg/kg	.02	0.020	102	63-130	
Toluene	mg/kg	.02	0.021	105	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE: 2041350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	mg/kg	.02	0.023	115	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	99	70-130	
Trichloroethene	mg/kg	.02	0.021	107	69-130	
Trichlorofluoromethane	mg/kg	.02	0.023	116	67-130	
Vinyl acetate	mg/kg	.02	0.018	89	53-146	
Vinyl chloride	mg/kg	.02	0.018	92	67-130	
Xylene (Total)	mg/kg	.06	0.059	99	70-130	
1,2-Dichloroethane-d4 (S)	%			98	80-131	
4-Bromofluorobenzene (S)	%			102	55-148	
Toluene-d8 (S)	%			100	84-117	

MATRIX SPIKE SAMPLE: 2041420

Parameter	Units	35319750001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0037 U	.029	0.026	87	42-130	
1,1,1-Trichloroethane	mg/kg	0.0041 U	.029	0.035	118	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0037 U	.029	0.024	80	50-130	
1,1,2-Trichloroethane	mg/kg	0.0037 U	.029	0.028	95	59-130	
1,1-Dichloroethane	mg/kg	0.0040 U	.029	0.035	117	50-130	
1,1-Dichloroethene	mg/kg	0.0037 U	.029	0.042	142	51-130	J(M1)
1,1-Dichloropropene	mg/kg	0.0038 U	.029	0.037	125	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0037 U	.029	0.011	39	20-143	
1,2,3-Trichloropropane	mg/kg	0.0037 U	.029	0.025	86	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0037 U	.029	0.019	65	20-130	N2
1,2,4-Trichlorobenzene	mg/kg	0.0037 U	.029	0.013	43	20-142	
1,2,4-Trimethylbenzene	mg/kg	0.0041 U	.029	0.020	66	20-133	
1,2-Dichlorobenzene	mg/kg	0.0037 U	.029	0.018	61	20-134	
1,2-Dichloroethane	mg/kg	0.0037 U	.029	0.030	101	57-130	
1,2-Dichloropropane	mg/kg	0.0037 U	.029	0.031	104	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0043 U	.029	0.022	74	26-130	
1,3-Dichlorobenzene	mg/kg	0.0037 U	.029	0.019	64	20-133	
1,3-Dichloropropane	mg/kg	0.0037 U	.029	0.028	94	57-130	
1,4-Dichlorobenzene	mg/kg	0.0037 U	.029	0.018	61	20-134	
2,2-Dichloropropane	mg/kg	0.0038 U	.029	0.035	119	35-130	
2-Butanone (MEK)	mg/kg	0.0037 U	.059	0.053	89	20-217	
2-Chlorotoluene	mg/kg	0.0037 U	.029	0.022	75	26-130	
2-Hexanone	mg/kg	0.0037 U	.059	0.043	73	20-136	
4-Chlorotoluene	mg/kg	0.0037 U	.029	0.021	70	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0037 U	.059	0.047	80	21-151	
Acetone	mg/kg	0.11	.059	0.10	-9	20-219	J(M1)
Acetonitrile	mg/kg	0.037 U	.29	0.25	84	32-150	
Benzene	mg/kg	0.0038 U	.029	0.035	117	24-141	
Bromobenzene	mg/kg	0.0037 U	.029	0.021	70	20-138	
Bromochloromethane	mg/kg	0.0037 U	.029	0.033	112	53-141	
Bromodichloromethane	mg/kg	0.0037 U	.029	0.026	89	20-155	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

MATRIX SPIKE SAMPLE: 2041420		35319750001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	mg/kg	0.0037 U	.029	0.015	50	30-130	
Bromomethane	mg/kg	0.0037 U	.029	0.026	88	22-152	
Carbon disulfide	mg/kg	0.0037 U	.029	0.028	93	20-160	
Carbon tetrachloride	mg/kg	0.0037 U	.029	0.034	116	23-141	
Chlorobenzene	mg/kg	0.0037 U	.029	0.024	82	34-130	
Chloroethane	mg/kg	0.0053 U	.029	0.043	146	43-146	
Chloroform	mg/kg	0.0044 U	.029	0.032	109	42-132	
Chloromethane	mg/kg	0.0041 U	.029	0.034	114	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0037 U	.029	0.032	109	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0037 U	.029	0.026	87	33-132	
Dibromochloromethane	mg/kg	0.0037 U	.029	0.022	75	20-151	
Dibromomethane	mg/kg	0.0037 U	.029	0.029	97	49-137	
Dichlorodifluoromethane	mg/kg	0.0039 U	.029	0.045	151	39-130 J(M1)	
Ethylbenzene	mg/kg	0.0042 U	.029	0.025	86	30-130	
Iodomethane	mg/kg	0.0037 U	.059	0.056	94	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0043 U	.029	0.024	81	28-130	
m&p-Xylene	mg/kg	0.0076 U	.059	0.048	80	27-150	
Methyl-tert-butyl ether	mg/kg	0.0037 U	.029	0.023	79	31-156	
Methylene Chloride	mg/kg	0.0037 U	.029	0.016	53	20-150	
n-Butylbenzene	mg/kg	0.0045 U	.029	0.018	60	20-132	
n-Propylbenzene	mg/kg	0.0039 U	.029	0.024	81	24-130	
o-Xylene	mg/kg	0.0038 U	.029	0.023	76	27-150	
p-Isopropyltoluene	mg/kg	0.0045 U	.029	0.019	65	20-133	
sec-Butylbenzene	mg/kg	0.0043 U	.029	0.023	77	20-131	
Styrene	mg/kg	0.0037 U	.029	0.020	68	20-137	
tert-Butylbenzene	mg/kg	0.0043 U	.029	0.024	80	20-131	
Tetrachloroethene	mg/kg	0.0037 U	.029	0.028	95	23-144	
Toluene	mg/kg	0.0040 U	.029	0.031	104	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0045 U	.029	0.037	127	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0037 U	.029	0.024	81	33-130	
Trichloroethene	mg/kg	0.0042 U	.029	0.033	111	42-130	
Trichlorofluoromethane	mg/kg	0.0040 U	.029	0.048	162	40-130 J(M1)	
Vinyl acetate	mg/kg	0.0037 U	.029	0.0074	25	20-156	
Vinyl chloride	mg/kg	0.0040 U	.029	0.038	127	47-130	
Xylene (Total)	mg/kg	0.0076 U	.088	0.070	79	26-130	
1,2-Dichloroethane-d4 (S)	%				100	80-131	
4-Bromofluorobenzene (S)	%				97	55-148	
Toluene-d8 (S)	%				98	84-117	

SAMPLE DUPLICATE: 2041618

Parameter	Units	35319750002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	mg/kg	0.0039 U	0.0037 U		40	
1,1,1-Trichloroethane	mg/kg	0.0043 U	0.0040 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0039 U	0.0037 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

SAMPLE DUPLICATE: 2041618

Parameter	Units	35319750002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	mg/kg	0.0039 U	0.0037 U		40	
1,1-Dichloroethane	mg/kg	0.0043 U	0.0040 U		40	
1,1-Dichloroethene	mg/kg	0.0039 U	0.0037 U		40	
1,1-Dichloropropene	mg/kg	0.0040 U	0.0037 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0039 U	0.0037 U		40	
1,2,3-Trichloropropane	mg/kg	0.0039 U	0.0037 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0039 U	0.0037 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0039 U	0.0037 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0044 U	0.0041 U		40	
1,2-Dichlorobenzene	mg/kg	0.0039 U	0.0037 U		40	
1,2-Dichloroethane	mg/kg	0.0039 U	0.0037 U		40	
1,2-Dichloropropane	mg/kg	0.0039 U	0.0037 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0045 U	0.0042 U		40	
1,3-Dichlorobenzene	mg/kg	0.0039 U	0.0037 U		40	
1,3-Dichloropropane	mg/kg	0.0039 U	0.0037 U		40	
1,4-Dichlorobenzene	mg/kg	0.0039 U	0.0037 U		40	
2,2-Dichloropropane	mg/kg	0.0040 U	0.0038 U		40	
2-Butanone (MEK)	mg/kg	0.0039 U	0.0037 U		40	
2-Chlorotoluene	mg/kg	0.0039 U	0.0037 U		40	
2-Hexanone	mg/kg	0.0039 U	0.0037 U		40	
4-Chlorotoluene	mg/kg	0.0039 U	0.0037 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0039 U	0.0037 U		40	
Acetone	mg/kg	0.038	0.026 I		40	
Acetonitrile	mg/kg	0.039 U	0.037 U		40	
Benzene	mg/kg	0.0040 U	0.0037 U		40	
Bromobenzene	mg/kg	0.0039 U	0.0037 U		40	
Bromochloromethane	mg/kg	0.0039 U	0.0037 U		40	
Bromodichloromethane	mg/kg	0.0039 U	0.0037 U		40	
Bromoform	mg/kg	0.0039 U	0.0037 U		40	
Bromomethane	mg/kg	0.0039 U	0.0037 U		40	
Carbon disulfide	mg/kg	0.0039 U	0.0037 U		40	
Carbon tetrachloride	mg/kg	0.0039 U	0.0037 U		40	
Chlorobenzene	mg/kg	0.0039 U	0.0037 U		40	
Chloroethane	mg/kg	0.0056 U	0.0053 U		40	
Chloroform	mg/kg	0.0046 U	0.0043 U		40	
Chloromethane	mg/kg	0.0044 U	0.0041 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0039 U	0.0037 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0039 U	0.0037 U		40	
Dibromochloromethane	mg/kg	0.0039 U	0.0037 U		40	
Dibromomethane	mg/kg	0.0039 U	0.0037 U		40	
Dichlorodifluoromethane	mg/kg	0.0041 U	0.0039 U		40	
Ethylbenzene	mg/kg	0.0044 U	0.0041 U		40	
Iodomethane	mg/kg	0.0039 U	0.0037 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0045 U	0.0042 U		40	
m&p-Xylene	mg/kg	0.0080 U	0.0075 U		40	
Methyl-tert-butyl ether	mg/kg	0.0039 U	0.0037 U		40	
Methylene Chloride	mg/kg	0.0039 U	0.0037 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

SAMPLE DUPLICATE: 2041618

Parameter	Units	35319750002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Butylbenzene	mg/kg	0.0047 U	0.0044 U		40	
n-Propylbenzene	mg/kg	0.0041 U	0.0039 U		40	
o-Xylene	mg/kg	0.0040 U	0.0038 U		40	
p-Isopropyltoluene	mg/kg	0.0047 U	0.0044 U		40	
sec-Butylbenzene	mg/kg	0.0045 U	0.0042 U		40	
Styrene	mg/kg	0.0039 U	0.0037 U		40	
tert-Butylbenzene	mg/kg	0.0045 U	0.0042 U		40	
Tetrachloroethene	mg/kg	0.0039 U	0.0037 U		40	
Toluene	mg/kg	0.0042 U	0.0040 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0047 U	0.0045 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0039 U	0.0037 U		40	
Trichloroethene	mg/kg	0.0044 U	0.0041 U		40	
Trichlorofluoromethane	mg/kg	0.0042 U	0.0040 U		40	
Vinyl acetate	mg/kg	0.0039 U	0.0037 U		40	
Vinyl chloride	mg/kg	0.0042 U	0.0039 U		40	
Xylene (Total)	mg/kg	0.0080 U	0.0075 U		40	
1,2-Dichloroethane-d4 (S)	%	99	101	4	40	
4-Bromofluorobenzene (S)	%	93	95	4	40	
Toluene-d8 (S)	%	98	98	7	40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 376970 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020, 35319629021, 35319629022

METHOD BLANK: 2042105 Matrix: Solid
Associated Lab Samples: 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020, 35319629021, 35319629022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Acetone	mg/kg	0.010 U	0.020	0.010	06/24/17 04:12	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/24/17 04:12	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/24/17 04:12	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

METHOD BLANK: 2042105

Matrix: Solid

Associated Lab Samples: 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020, 35319629021, 35319629022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/24/17 04:12	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Methylene Chloride	mg/kg	0.021	0.0050	0.0025	06/24/17 04:12	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/24/17 04:12	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/24/17 04:12	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/24/17 04:12	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/24/17 04:12	
1,2-Dichloroethane-d4 (S)	%	99	80-131		06/24/17 04:12	
4-Bromofluorobenzene (S)	%	100	55-148		06/24/17 04:12	
Toluene-d8 (S)	%	100	84-117		06/24/17 04:12	

LABORATORY CONTROL SAMPLE: 2042106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	100	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	100	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	101	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	107	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	101	69-130	
1,1-Dichloroethene	mg/kg	.02	0.021	107	67-130	
1,1-Dichloropropene	mg/kg	.02	0.021	106	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.021	104	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	103	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	90	67-130 N2	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE: 2042106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	93	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2-Dichloroethane	mg/kg	.02	0.021	104	70-130	
1,2-Dichloropropane	mg/kg	.02	0.020	101	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	96	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	101	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	103	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	101	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	94	70-130	
2-Butanone (MEK)	mg/kg	.04	0.033	84	51-161	
2-Chlorotoluene	mg/kg	.02	0.019	97	70-130	
2-Hexanone	mg/kg	.04	0.031	78	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	98	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.033	83	64-143	
Acetone	mg/kg	.04	0.042	106	32-175	
Acetonitrile	mg/kg	.2	0.17	86	68-131	
Benzene	mg/kg	.02	0.021	107	70-130	
Bromobenzene	mg/kg	.02	0.019	94	70-130	
Bromochloromethane	mg/kg	.02	0.022	109	70-130	
Bromodichloromethane	mg/kg	.02	0.019	96	70-130	
Bromoform	mg/kg	.02	0.015	74	70-130	
Bromomethane	mg/kg	.02	0.015	75	42-156	
Carbon disulfide	mg/kg	.02	0.014	71	49-152	
Carbon tetrachloride	mg/kg	.02	0.019	93	65-132	
Chlorobenzene	mg/kg	.02	0.021	103	70-130	
Chloroethane	mg/kg	.02	0.021	105	56-146	
Chloroform	mg/kg	.02	0.020	101	69-130	
Chloromethane	mg/kg	.02	0.016	82	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	101	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	98	70-130	
Dibromochloromethane	mg/kg	.02	0.019	96	70-130	
Dibromomethane	mg/kg	.02	0.021	104	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.017	84	58-138	
Ethylbenzene	mg/kg	.02	0.020	102	70-130	
Iodomethane	mg/kg	.04	0.031	78	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.020	102	70-130	
m&p-Xylene	mg/kg	.04	0.039	98	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.016	79	70-130	
Methylene Chloride	mg/kg	.02	0.025	127	40-159	
n-Butylbenzene	mg/kg	.02	0.019	94	70-130	
n-Propylbenzene	mg/kg	.02	0.020	100	70-130	
o-Xylene	mg/kg	.02	0.019	97	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	94	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	100	70-130	
Styrene	mg/kg	.02	0.020	100	70-130	
tert-Butylbenzene	mg/kg	.02	0.019	97	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE: 2042106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.020	102	63-130	
Toluene	mg/kg	.02	0.021	103	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.020	100	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	96	70-130	
Trichloroethene	mg/kg	.02	0.021	105	69-130	
Trichlorofluoromethane	mg/kg	.02	0.023	115	67-130	
Vinyl acetate	mg/kg	.02	0.017	86	53-146	
Vinyl chloride	mg/kg	.02	0.017	85	67-130	
Xylene (Total)	mg/kg	.06	0.059	98	70-130	
1,2-Dichloroethane-d4 (S)	%			99	80-131	
4-Bromofluorobenzene (S)	%			101	55-148	
Toluene-d8 (S)	%			99	84-117	

MATRIX SPIKE SAMPLE: 2043761

Parameter	Units	35319827001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0029 U	.023	0.0070	30	42-130	J(M1)
1,1,1-Trichloroethane	mg/kg	0.0032 U	.023	0.014	61	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0029 U	.023	0.010	45	50-130	J(M1)
1,1,2-Trichloroethane	mg/kg	0.0029 U	.023	0.016	67	59-130	
1,1-Dichloroethane	mg/kg	0.0032 U	.023	0.018	77	50-130	
1,1-Dichloroethene	mg/kg	0.0029 U	.023	0.020	87	51-130	
1,1-Dichloropropene	mg/kg	0.0030 U	.023	0.0094	41	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	12	20-143	J(M1)
1,2,3-Trichloropropane	mg/kg	0.0029 U	.023	0.016	69	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0029 U	.023	0.0029 U	9	20-130	J(M1),N2
1,2,4-Trichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	9	20-142	J(M1)
1,2,4-Trimethylbenzene	mg/kg	0.0033 U	.023	0.0032 U	6	20-133	J(M1)
1,2-Dichlorobenzene	mg/kg	0.0029 U	.023	0.0030 I	13	20-134	J(M1)
1,2-Dichloroethane	mg/kg	0.0029 U	.023	0.018	78	57-130	
1,2-Dichloropropane	mg/kg	0.0029 U	.023	0.014	59	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0033 U	.023	0.0033 U	7	26-130	J(M1)
1,3-Dichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	10	20-133	J(M1)
1,3-Dichloropropane	mg/kg	0.0029 U	.023	0.014	60	57-130	
1,4-Dichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	10	20-134	J(M1)
2,2-Dichloropropane	mg/kg	0.0030 U	.023	0.015	64	35-130	
2-Butanone (MEK)	mg/kg	0.0029 U	.047	0.039	85	20-217	
2-Chlorotoluene	mg/kg	0.0029 U	.023	0.0029 U	9	26-130	J(M1)
2-Hexanone	mg/kg	0.0029 U	.047	0.035	75	20-136	
4-Chlorotoluene	mg/kg	0.0029 U	.023	0.0029 U	7	21-132	J(M1)
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0029 U	.047	0.037	79	21-151	
Acetone	mg/kg	0.049	.047	0.074	54	20-219	
Acetonitrile	mg/kg	0.029 U	.23	0.20	87	32-150	
Benzene	mg/kg	0.0030 U	.023	0.012	53	24-141	
Bromobenzene	mg/kg	0.0029 U	.023	0.0042 I	18	20-138	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

MATRIX SPIKE SAMPLE: 2043761		35319827001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	mg/kg	0.0029 U	.023	0.019	81	53-141	
Bromodichloromethane	mg/kg	0.0029 U	.023	0.012	53	20-155	
Bromoform	mg/kg	0.0029 U	.023	0.0075	32	30-130	
Bromomethane	mg/kg	0.0029 U	.023	0.015	64	22-152	
Carbon disulfide	mg/kg	0.0029 U	.023	0.0089	38	20-160	
Carbon tetrachloride	mg/kg	0.0029 U	.023	0.011	47	23-141	
Chlorobenzene	mg/kg	0.0029 U	.023	0.0043 I	19	34-130	J(M1)
Chloroethane	mg/kg	0.0042 U	.023	0.022	97	43-146	
Chloroform	mg/kg	0.0034 U	.023	0.016	69	42-132	
Chloromethane	mg/kg	0.0033 U	.023	0.021	89	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0029 U	.023	0.014	62	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0029 U	.023	0.0097	42	33-132	
Dibromochloromethane	mg/kg	0.0029 U	.023	0.010	45	20-151	
Dibromomethane	mg/kg	0.0029 U	.023	0.016	71	49-137	
Dichlorodifluoromethane	mg/kg	0.0031 U	.023	0.029	126	39-130	
Ethylbenzene	mg/kg	0.0033 U	.023	0.0033 U	12	30-130	J(M1)
Iodomethane	mg/kg	0.0029 U	.047	0.028	60	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0034 U	.023	0.0034 U	7	28-130	J(M1)
m&p-Xylene	mg/kg	0.0060 U	.047	0.0060 U	10	27-150	J(M1)
Methyl-tert-butyl ether	mg/kg	0.0029 U	.023	0.016	69	31-156	
Methylene Chloride	mg/kg	0.0029 U	.023	0.016	71	20-150	
n-Butylbenzene	mg/kg	0.0035 U	.023	0.0035 U	4	20-132	J(M1)
n-Propylbenzene	mg/kg	0.0031 U	.023	0.0031 U	6	24-130	J(M1)
o-Xylene	mg/kg	0.0030 U	.023	0.0030 U	12	27-150	J(M1)
p-Isopropyltoluene	mg/kg	0.0035 U	.023	0.0035 U	4	20-133	J(M1)
sec-Butylbenzene	mg/kg	0.0034 U	.023	0.0033 U	5	20-131	J(M1)
Styrene	mg/kg	0.0029 U	.023	0.0029 U	12	20-137	J(M1)
tert-Butylbenzene	mg/kg	0.0033 U	.023	0.0033 U	5	20-131	J(M1)
Tetrachloroethene	mg/kg	0.0029 U	.023	0.0061	26	23-144	
Toluene	mg/kg	0.0031 U	.023	0.0060	25	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0035 U	.023	0.012	54	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0029 U	.023	0.0094	41	33-130	
Trichloroethene	mg/kg	0.0033 U	.023	0.011	47	42-130	
Trichlorofluoromethane	mg/kg	0.0032 U	.023	0.027	118	40-130	
Vinyl acetate	mg/kg	0.0029 U	.023	0.0052 I	22	20-156	
Vinyl chloride	mg/kg	0.0031 U	.023	0.020	87	47-130	
Xylene (Total)	mg/kg	0.0060 U	.069	0.0060 U	0	26-130	MS
1,2-Dichloroethane-d4 (S)	%				101	80-131	
4-Bromofluorobenzene (S)	%				98	55-148	
Toluene-d8 (S)	%				100	84-117	

SAMPLE DUPLICATE: 2043762

Parameter	Units	35319827002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0022 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

SAMPLE DUPLICATE: 2043762

Parameter	Units	35319827002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0024 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0022 U		40	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0022 U		40	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0024 U		40	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0022 U		40	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0023 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0022 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0022 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0047		40	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0022 U		40	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0022 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0028 U	0.0048		40	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0022 U		40	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0023 U		40	
2-Butanone (MEK)	mg/kg	0.0041 I	0.0060		40	
2-Chlorotoluene	mg/kg	0.0025 U	0.0022 U		40	
2-Hexanone	mg/kg	0.0025 U	0.0022 U		40	
4-Chlorotoluene	mg/kg	0.0025 U	0.0022 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0022 U		40	
Acetone	mg/kg	0.059	0.059	1	40	
Acetonitrile	mg/kg	0.025 U	0.022 U		40	
Benzene	mg/kg	0.0025 U	0.0023 U		40	
Bromobenzene	mg/kg	0.0025 U	0.0022 U		40	
Bromochloromethane	mg/kg	0.0025 U	0.0022 U		40	
Bromodichloromethane	mg/kg	0.0025 U	0.0022 U		40	
Bromoform	mg/kg	0.0025 U	0.0022 U		40	
Bromomethane	mg/kg	0.0025 U	0.0022 U		40	
Carbon disulfide	mg/kg	0.0025 U	0.0022 U		40	
Carbon tetrachloride	mg/kg	0.0025 U	0.0022 U		40	
Chlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
Chloroethane	mg/kg	0.0036 U	0.0032 U		40	
Chloroform	mg/kg	0.0029 U	0.0026 U		40	
Chloromethane	mg/kg	0.0028 U	0.0025 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0022 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0022 U		40	
Dibromochloromethane	mg/kg	0.0025 U	0.0022 U		40	
Dibromomethane	mg/kg	0.0025 U	0.0022 U		40	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0024 U		40	
Ethylbenzene	mg/kg	0.0028 U	0.0025 U		40	
Iodomethane	mg/kg	0.0025 U	0.0022 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0028 I		40	
m&p-Xylene	mg/kg	0.0051 U	0.0045 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

SAMPLE DUPLICATE: 2043762

Parameter	Units	35319827002 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0022 U		40	
Methylene Chloride	mg/kg	0.0025 U	0.0022 U		40	
n-Butylbenzene	mg/kg	0.021	0.051	82	40	J(D6)
n-Propylbenzene	mg/kg	0.0093	0.021	76	40	J(D6)
o-Xylene	mg/kg	0.0026 U	0.0023 U		40	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0027 U		40	
sec-Butylbenzene	mg/kg	0.0081	0.020	86	40	J(D6)
Styrene	mg/kg	0.0025 U	0.0022 U		40	
tert-Butylbenzene	mg/kg	0.0028 U	0.0025 U		40	
Tetrachloroethene	mg/kg	0.0025 U	0.0022 U		40	
Toluene	mg/kg	0.0027 U	0.0024 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0027 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0022 U		40	
Trichloroethene	mg/kg	0.0028 U	0.0025 U		40	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0024 U		40	
Vinyl acetate	mg/kg	0.0025 U	0.0022 U		40	
Vinyl chloride	mg/kg	0.0027 U	0.0024 U		40	
Xylene (Total)	mg/kg	0.0051 U	0.0045 U		40	
1,2-Dichloroethane-d4 (S)	%	96	95	12	40	
4-Bromofluorobenzene (S)	%	102	102	11	40	
Toluene-d8 (S)	%	101	101	11	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

QC Batch: 376751 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007,
 35319629008, 35319629009, 35319629010, 35319629011, 35319629012, 35319629013, 35319629014,
 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020

METHOD BLANK: 2040594 Matrix: Solid
 Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007,
 35319629008, 35319629009, 35319629010, 35319629011, 35319629012, 35319629013, 35319629014,
 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/23/17 15:52	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/23/17 15:52	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/23/17 15:52	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/23/17 15:52	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/23/17 15:52	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/23/17 15:52	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/23/17 15:52	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/23/17 15:52	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/23/17 15:52	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	06/23/17 15:52	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/23/17 15:52	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/23/17 15:52	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/23/17 15:52	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/23/17 15:52	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/23/17 15:52	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/23/17 15:52	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	06/23/17 15:52	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/23/17 15:52	
2-Fluorobiphenyl (S)	%	76	32-129		06/23/17 15:52	
Nitrobenzene-d5 (S)	%	44	16-123		06/23/17 15:52	
Terphenyl-d14 (S)	%	83	38-138		06/23/17 15:52	

LABORATORY CONTROL SAMPLE: 2040595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.4	84	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.3	75	16-137	
Acenaphthene	mg/kg	1.7	1.4	81	37-120	
Acenaphthylene	mg/kg	1.7	1.6	93	41-120	
Anthracene	mg/kg	1.7	1.6	96	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.3	77	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.5	92	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	86	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.3	78	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.6	98	44-126	
Chrysene	mg/kg	1.7	1.5	90	45-120	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE: 2040595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	80	43-124	
Fluoranthene	mg/kg	1.7	1.5	89	45-120	
Fluorene	mg/kg	1.7	1.4	84	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	77	43-123	
Naphthalene	mg/kg	1.7	1.3	78	40-120	
Phenanthrene	mg/kg	1.7	1.3	77	36-125	
Pyrene	mg/kg	1.7	1.5	91	41-123	
2-Fluorobiphenyl (S)	%			79	32-129	
Nitrobenzene-d5 (S)	%			54	16-123	
Terphenyl-d14 (S)	%			81	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2040657 2040658

Parameter	Units	35319629017		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	U	Spike Conc.	MS Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec						
1-Methylnaphthalene	mg/kg	0.012	U	1.6	1.7	1.4	1.5	85	88	27-123	5	40			
2-Methylnaphthalene	mg/kg	0.014	U	1.6	1.7	1.2	1.3	74	78	16-137	7	40			
Acenaphthene	mg/kg	0.055		1.6	1.7	1.4	1.8	82	104	37-120	23	40			
Acenaphthylene	mg/kg	0.011	U	1.6	1.7	1.4	1.5	84	89	41-120	8	40			
Anthracene	mg/kg	0.10		1.6	1.7	1.8	2.5	99	138	45-120	32	40	J(M1)		
Benzo(a)anthracene	mg/kg	0.10		1.6	1.7	1.8	2.6	101	147	44-120	36	40	J(M1)		
Benzo(a)pyrene	mg/kg	0.097		1.6	1.7	1.9	2.8	107	155	44-123	37	40	J(M1)		
Benzo(b)fluoranthene	mg/kg	0.11		1.6	1.7	1.9	3.0	108	171	37-124	44	40	J(M1), J(R1)		
Benzo(g,h,i)perylene	mg/kg	0.050		1.6	1.7	1.4	1.8	82	103	42-125	24	40			
Benzo(k)fluoranthene	mg/kg	0.070		1.6	1.7	1.8	2.4	104	138	44-126	28	40	J(M1)		
Chrysene	mg/kg	0.13		1.6	1.7	1.9	2.8	104	159	45-120	41	40	J(M1), J(R1)		
Dibenz(a,h)anthracene	mg/kg	0.017	U	1.6	1.7	1.2	1.3	69	75	43-124	9	40			
Fluoranthene	mg/kg	0.36		1.6	1.7	3.2	5.6	165	308	45-120	56	40	J(M1), J(R1)		
Fluorene	mg/kg	0.067		1.6	1.7	1.6	2.0	89	116	42-120	26	40			
Indeno(1,2,3-cd)pyrene	mg/kg	0.044		1.6	1.7	1.4	1.7	80	100	43-123	22	40			
Naphthalene	mg/kg	0.011	U	1.6	1.7	1.2	1.3	73	76	40-120	4	40			
Phenanthrene	mg/kg	0.34		1.6	1.7	2.8	5.3	147	291	36-125	61	40	J(M1), J(R1)		
Pyrene	mg/kg	0.27		1.6	1.7	2.7	4.6	146	252	41-123	51	40	J(M1), J(R1)		
2-Fluorobiphenyl (S)	%							71	77	32-129					
Nitrobenzene-d5 (S)	%							41	51	16-123					
Terphenyl-d14 (S)	%							71	77	38-138					

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 376799 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 35319629021, 35319629022

METHOD BLANK: 2040964 Matrix: Solid
Associated Lab Samples: 35319629021, 35319629022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/23/17 10:08	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/23/17 10:08	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/23/17 10:08	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/23/17 10:08	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/23/17 10:08	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/23/17 10:08	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/23/17 10:08	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/23/17 10:08	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/23/17 10:08	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	06/23/17 10:08	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/23/17 10:08	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/23/17 10:08	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/23/17 10:08	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/23/17 10:08	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/23/17 10:08	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/23/17 10:08	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	06/23/17 10:08	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/23/17 10:08	
2-Fluorobiphenyl (S)	%	70	32-129		06/23/17 10:08	
Nitrobenzene-d5 (S)	%	50	16-123		06/23/17 10:08	
Terphenyl-d14 (S)	%	64	38-138		06/23/17 10:08	

LABORATORY CONTROL SAMPLE: 2040965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.2	71	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.2	71	16-137	
Acenaphthene	mg/kg	1.7	1.2	70	37-120	
Acenaphthylene	mg/kg	1.7	1.1	69	41-120	
Anthracene	mg/kg	1.7	1.2	74	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.1	69	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.2	71	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.1	65	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.2	75	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.2	75	44-126	
Chrysene	mg/kg	1.7	1.1	63	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	82	43-124	
Fluoranthene	mg/kg	1.7	1.1	68	45-120	
Fluorene	mg/kg	1.7	1.2	70	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	81	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

LABORATORY CONTROL SAMPLE: 2040965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.0	63	40-120	
Phenanthrene	mg/kg	1.7	1.2	72	36-125	
Pyrene	mg/kg	1.7	1.1	66	41-123	
2-Fluorobiphenyl (S)	%			72	32-129	
Nitrobenzene-d5 (S)	%			48	16-123	
Terphenyl-d14 (S)	%			68	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2040966 2040967

Parameter	Units	35319750001		MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	U	Spike Conc.	MS Result	MSD Result	% Rec	% Rec	RPD	RPD				
1-Methylnaphthalene	mg/kg	0.047	U	6.8	6.8	4.1	3.0	61	45	27-123	32	40		
2-Methylnaphthalene	mg/kg	0.053	U	6.8	6.8	4.3	3.2	63	48	16-137	28	40		
Acenaphthene	mg/kg	0.048	U	6.8	6.8	4.1	3.8	61	57	37-120	7	40		
Acenaphthylene	mg/kg	0.041	U	6.8	6.8	4.3	3.7	63	55	41-120	15	40		
Anthracene	mg/kg	0.040	U	6.8	6.8	4.1	4.1	60	62	45-120	2	40		
Benzo(a)anthracene	mg/kg	0.038	U	6.8	6.8	3.4	3.7	50	54	44-120	8	40		
Benzo(a)pyrene	mg/kg	0.015	U	6.8	6.8	3.7	3.8	54	57	44-123	4	40		
Benzo(b)fluoranthene	mg/kg	0.099	U	6.8	6.8	3.3	3.6	48	53	37-124	8	40		
Benzo(g,h,i)perylene	mg/kg	0.047	U	6.8	6.8	3.7	4.0	54	60	42-125	9	40		
Benzo(k)fluoranthene	mg/kg	0.028	U	6.8	6.8	3.2	3.8	48	56	44-126	16	40		
Chrysene	mg/kg	0.047	U	6.8	6.8	3.2	3.4	46	51	45-120	8	40		
Dibenz(a,h)anthracene	mg/kg	0.066	U	6.8	6.8	4.2	4.5	62	67	43-124	7	40		
Fluoranthene	mg/kg	0.043	U	6.8	6.8	3.3	3.6	49	53	45-120	7	40		
Fluorene	mg/kg	0.059	U	6.8	6.8	4.0	3.5	58	52	42-120	13	40		
Indeno(1,2,3-cd)pyrene	mg/kg	0.066	U	6.8	6.8	4.0	4.4	59	66	43-123	10	40		
Naphthalene	mg/kg	0.043	U	6.8	6.8	3.9	3.5	57	51	40-120	11	40		
Phenanthrene	mg/kg	0.050	U	6.8	6.8	4.0	3.9	59	58	36-125	2	40		
Pyrene	mg/kg	0.066	U	6.8	6.8	3.2	3.4	47	50	41-123	5	40		
2-Fluorobiphenyl (S)	%							58	41	32-129				
Nitrobenzene-d5 (S)	%							42	46	16-123				
Terphenyl-d14 (S)	%							42	49	38-138				

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

QC Batch: 376752 Analysis Method: FL-PRO
 QC Batch Method: EPA 3546 Analysis Description: FL-PRO Soil
 Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004

METHOD BLANK: 2040601 Matrix: Solid
 Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.5 U	4.0	2.5	06/24/17 15:54	
N-Pentatriacontane (S)	%	133	42-159		06/24/17 15:54	
o-Terphenyl (S)	%	141	62-109		06/24/17 15:54	S3

LABORATORY CONTROL SAMPLE: 2040602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	201	224	111	63-153	
N-Pentatriacontane (S)	%			166	42-159	J(S0)
o-Terphenyl (S)	%			125	62-109	J(S0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2040878 2040879

Parameter	Units	35319608009		2040878		2040879		% Rec Limits	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Petroleum Range Organics	mg/kg	101	226	226	229	280	57	79	51-215	20	25
N-Pentatriacontane (S)	%						63	101	42-159		
o-Terphenyl (S)	%						114	115	62-109		J(S0)

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

QC Batch: 377104 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35319629001, 35319629002, 35319629003, 35319629004, 35319629005, 35319629006, 35319629007, 35319629008, 35319629009, 35319629010, 35319629011, 35319629012, 35319629013, 35319629014, 35319629015, 35319629016, 35319629017, 35319629018, 35319629019, 35319629020, 35319629021, 35319629022

SAMPLE DUPLICATE: 2042989

Parameter	Units	35319061001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	95.7	96.0	0	10	

SAMPLE DUPLICATE: 2043068

Parameter	Units	35319629003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.1	13.4	10	10	

SAMPLE DUPLICATE: 2043069

Parameter	Units	35319629012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.2	26.4	27	10	J(D6)

SAMPLE DUPLICATE: 2043070

Parameter	Units	35319629021 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.9	6.5	19	10	J(D6)

SAMPLE DUPLICATE: 2043071

Parameter	Units	35319698001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.4	21.8	3	10	

SAMPLE DUPLICATE: 2043072

Parameter	Units	35319698010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.4	24.9	2	10	

SAMPLE DUPLICATE: 2043073

Parameter	Units	35319698019 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.5	6.7	4	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

SAMPLE DUPLICATE: 2043074

Parameter	Units	35319698028 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.9	6.1	2	10	

SAMPLE DUPLICATE: 2043075

Parameter	Units	35319698037 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.1	4.4	7	10	

SAMPLE DUPLICATE: 2043076

Parameter	Units	35319698046 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	7.0	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: 380769

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

J(L1) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

J(R1) Estimated Value. RPD value was outside control limits.

J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

Q Sample held beyond the accepted holding time.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

ANALYTE QUALIFIERS

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35319629001	SB-5 (0-6")	EPA 3546	376752	FL-PRO	376949
35319629002	SB-5 (6"-2')	EPA 3546	376752	FL-PRO	376949
35319629003	SB-6 (0-6")	EPA 3546	376752	FL-PRO	376949
35319629004	SB-6 (6"-2')	EPA 3546	376752	FL-PRO	376949
35319629001	SB-5 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629002	SB-5 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629003	SB-6 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629004	SB-6 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629005	SB-4 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629006	SB-4 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629007	SB-4E25 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629008	SB-4E25 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629009	SB-4W25 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629010	SB-4W25 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629011	SB-18E25 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629012	SB-18E25 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629013	SB-18 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629014	SB-18 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629015	SB-18W25 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629016	SB-18W25 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629017	SB-20E25 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629018	SB-20E25 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629019	SB-20 (0-6")	EPA 3050	377313	EPA 6010	377418
35319629020	SB-20 (6"-2')	EPA 3050	377313	EPA 6010	377418
35319629021	SB-20W40 (0-6")	EPA 3050	377226	EPA 6010	377323
35319629022	SB-20W40 (6"-2')	EPA 3050	377226	EPA 6010	377323
35319629002	SB-5 (6"-2')	EPA 3010	379527	EPA 6010	379637
35319629003	SB-6 (0-6")	EPA 3010	379527	EPA 6010	379637
35319629004	SB-6 (6"-2')	EPA 3010	379527	EPA 6010	379637
35319629006	SB-4 (6"-2')	EPA 3010	379527	EPA 6010	379637
35319629008	SB-4E25 (6"-2')	EPA 3010	379527	EPA 6010	379637
35319629010	SB-4W25 (6"-2')	EPA 3010	379527	EPA 6010	379637
35319629011	SB-18E25 (0-6")	EPA 3010	380320	EPA 6010	380375
35319629012	SB-18E25 (6"-2')	EPA 3010	380320	EPA 6010	380375
35319629013	SB-18 (0-6")	EPA 3010	380320	EPA 6010	380375
35319629014	SB-18 (6"-2')	EPA 3010	380673	EPA 6010	380769
35319629015	SB-18W25 (0-6")	EPA 3010	380673	EPA 6010	380769
35319629016	SB-18W25 (6"-2')	EPA 3010	380673	EPA 6010	380769
35319629001	SB-5 (0-6")	EPA 7471	377489	EPA 7471	377602
35319629002	SB-5 (6"-2')	EPA 7471	377489	EPA 7471	377602
35319629003	SB-6 (0-6")	EPA 7471	377489	EPA 7471	377602
35319629004	SB-6 (6"-2')	EPA 7471	377489	EPA 7471	377602
35319629001	SB-5 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629002	SB-5 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629003	SB-6 (0-6")	EPA 3546	376751	EPA 8270	376898

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35319629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35319629004	SB-6 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629005	SB-4 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629006	SB-4 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629007	SB-4E25 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629008	SB-4E25 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629009	SB-4W25 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629010	SB-4W25 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629011	SB-18E25 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629012	SB-18E25 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629013	SB-18 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629014	SB-18 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629015	SB-18W25 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629016	SB-18W25 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629017	SB-20E25 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629018	SB-20E25 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629019	SB-20 (0-6")	EPA 3546	376751	EPA 8270	376898
35319629020	SB-20 (6"-2')	EPA 3546	376751	EPA 8270	376898
35319629021	SB-20W40 (0-6")	EPA 3546	376799	EPA 8270	376846
35319629022	SB-20W40 (6"-2')	EPA 3546	376799	EPA 8270	376846
35319629001	SB-5 (0-6")	EPA 8260	376728		
35319629002	SB-5 (6"-2')	EPA 8260	376728		
35319629003	SB-6 (0-6")	EPA 8260	376728		
35319629004	SB-6 (6"-2')	EPA 8260	376728		
35319629005	SB-4 (0-6")	EPA 8260	376728		
35319629006	SB-4 (6"-2')	EPA 8260	376728		
35319629007	SB-4E25 (0-6")	EPA 8260	376728		
35319629008	SB-4E25 (6"-2')	EPA 8260	376728		
35319629009	SB-4W25 (0-6")	EPA 8260	376728		
35319629010	SB-4W25 (6"-2')	EPA 8260	376728		
35319629011	SB-18E25 (0-6")	EPA 8260	376728		
35319629012	SB-18E25 (6"-2')	EPA 8260	376905		
35319629013	SB-18 (0-6")	EPA 8260	376905		
35319629014	SB-18 (6"-2')	EPA 8260	376905		
35319629015	SB-18W25 (0-6")	EPA 8260	376970		
35319629016	SB-18W25 (6"-2')	EPA 8260	376970		
35319629017	SB-20E25 (0-6")	EPA 8260	376970		
35319629018	SB-20E25 (6"-2')	EPA 8260	376970		
35319629019	SB-20 (0-6")	EPA 8260	376970		
35319629020	SB-20 (6"-2')	EPA 8260	376970		
35319629021	SB-20W40 (0-6")	EPA 8260	376970		
35319629022	SB-20W40 (6"-2')	EPA 8260	376970		
35319629001	SB-5 (0-6")	ASTM D2974-87	377104		
35319629002	SB-5 (6"-2')	ASTM D2974-87	377104		
35319629003	SB-6 (0-6")	ASTM D2974-87	377104		
35319629004	SB-6 (6"-2')	ASTM D2974-87	377104		
35319629005	SB-4 (0-6")	ASTM D2974-87	377104		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline

Pace Project No.: 35319629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35319629006	SB-4 (6"-2')	ASTM D2974-87	377104		
35319629007	SB-4E25 (0-6")	ASTM D2974-87	377104		
35319629008	SB-4E25 (6"-2')	ASTM D2974-87	377104		
35319629009	SB-4W25 (0-6")	ASTM D2974-87	377104		
35319629010	SB-4W25 (6"-2')	ASTM D2974-87	377104		
35319629011	SB-18E25 (0-6")	ASTM D2974-87	377104		
35319629012	SB-18E25 (6"-2')	ASTM D2974-87	377104		
35319629013	SB-18 (0-6")	ASTM D2974-87	377104		
35319629014	SB-18 (6"-2')	ASTM D2974-87	377104		
35319629015	SB-18W25 (0-6")	ASTM D2974-87	377104		
35319629016	SB-18W25 (6"-2')	ASTM D2974-87	377104		
35319629017	SB-20E25 (0-6")	ASTM D2974-87	377104		
35319629018	SB-20E25 (6"-2')	ASTM D2974-87	377104		
35319629019	SB-20 (0-6")	ASTM D2974-87	377104		
35319629020	SB-20 (6"-2')	ASTM D2974-87	377104		
35319629021	SB-20W40 (0-6")	ASTM D2974-87	377104		
35319629022	SB-20W40 (6"-2')	ASTM D2974-87	377104		

REPORT OF LABORATORY ANALYSIS

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WO# : 35319629



quest Document
 All fields must be completed accurately.

Section A
 Required Client Information:
 Company: AMEC Foster Wheeler Environment & Infrastructure
 Address: 5845 NW 158th Street
 Miami Lakes, FL 33014
 Email: ashok.antharaju@amec.com
 Phone: (954)695-6796
 Requested Due Date:

Section B
 Required Project Information:
 Report To: Ash Antharaju
 Copy To:
 Purchase Order #:
 Project Name: The Underline
 Project #: 6783-17-2970

Invoice Information:
 Attention:
 Company Name:
 Address:
 Pace Quote:
 Pace Project Manager: christina.raschke@pacelabs.com,
 Pace Profile #: 5651-9
 State / Location: FL
 Regulatory Agency:

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION		DATE		ACCEPTED BY / AFFILIATION	DATE		TIME	SAMPLE CONDITIONS
			START	END			DATE	TIME	DATE	TIME		DATE	TIME		
61	Drinking Water	DW	6/26/17	10:15			4								
62	Waste Water	WW		10:17											
63	Product	P		11:10											
64	Soil/Solid	SL		11:12											
65	Oil	OL		12:25											
66	Wipe	WP		12:30											
67	Air	AR		12:35											
68	Other	OT		12:40											
69	Tissue	TS		12:55											
70				13:00											
71				14:57											
72				14:59											

ITEM #	MATRIX	CODE	START	END	SAMPLE TYPE	MATRIX CODE	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DEEM rates								6/21/17	10:00		6/21/17	00	
								6/21/17	1:25		6/21/17	025	

Requested Analysis Filtered (Y/N)

8151 Herbicides	
8081 Pesticides	
6010 Pb, As	
8260 VOC (FPB)	
8RCRA	
TRPH-FLPRO	
8270 PAH	
8260 BTEXMTBE	
Analyses Test	Y/N
Preservatives	
Unpreserved	
H2SO4	
HNO3	
HCl	
NaOH	
Na2SO3	
Methanol	
Other	

TEMP in C

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: ASHOK ANTHARAJU
 SIGNATURE of SAMPLER: [Signature]

DATE Signed: 6/21/17



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AMEC Foster Wheeler Environment & Infrastructure	Report To:	Ash Aitharaju	Attention:	
Address:	5845 NW 158th Street	Copy To:		Company Name:	
	Miami Lakes, FL 33014	Purchase Order #:	6783-17-2970	Address:	
Email:	ashok.aitharaju@amec.com	Project Name:	The Underline	Pace Project Manager:	christina.raschke@pacelabs.com
Phone:	(954)695-6796	Project #:	6783-17-2970	Pace Quote:	
Requested Due Date:				Pace Profile #:	5651-9
				Regulatory Agency:	
				State / Location:	FL

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	PRESERVATIVES		ANALYSES TEST	Y/N	REQUESTED ANALYSIS FILTERED (Y/N)	
			START	END			DATE	TIME			DATE	TIME
73	SB-18 (0-6)	DW	6/20/17	15:07			Unpreserved		8270 PAH	✓	8260 BTEXMTBE	✓
74	SB-18 (6 ⁺ -21)	WW	15:09				H2SO4		TRPH-FLPRO	✓	8260 VOC (IPB)	✓
75	SB-18 W 25 (0-6)	P	15:17				HNO3		8010 Pb, As	✓	8081 Pesticides	✓
76	SB-18 W 25 (6 ⁺ -21)	SL	15:29				NaOH		8260 VOC (IPB)	✓	8151 Herbicides	✓
77	SB-20 E 25 (0-6)	OL	16:02				HCl		8260 VOC (IPB)	✓	8260 VOC (IPB)	✓
78	SB-20 E 25 (6 ⁺ -21)	WP	16:04				Unpreserved		8260 VOC (IPB)	✓	8260 VOC (IPB)	✓
79	SB-20 (0-6)	AR	16:22				H2SO4		8260 VOC (IPB)	✓	8260 VOC (IPB)	✓
80	SB-20 (6 ⁺ -21)	OT	16:24				HNO3		8260 VOC (IPB)	✓	8260 VOC (IPB)	✓
81	SB-20 W 40 (0-6)	TS	16:42				Unpreserved		8260 VOC (IPB)	✓	8260 VOC (IPB)	✓
82	SB-20 W 40 (6 ⁺ -21)		16:44				Unpreserved		8260 VOC (IPB)	✓	8260 VOC (IPB)	✓
83												
84												

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<i>[Signature]</i>	6/21/17	19:50	<i>[Signature]</i>	6/21/17	11:00	
<i>[Signature]</i>	6/21/17	19:50	<i>[Signature]</i>	6/23/17	01:25	Y N Y
<i>[Signature]</i>	6/21/17	19:50	<i>[Signature]</i>	6/23/17	11:25	

TEMP in C	
Received on	
Ice (Y/N)	
Custody (Y/N)	
Sealed	
Cooler	
Samples Intact (Y/N)	
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: JONATHAN BULWY SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed: 6/21/17	



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev 11

Document Revised:
February 6, 2017
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO# : 35319629

Project Manager: PM: CTR **Due Date:** 06/29/17
Client: CLIENT: 36-MACTEC

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: AS
pH: _____

Thermometer Used: T-299 **Date:** 6/22/17 **Time:** 6:25 **Initials:** AS

- Cooler #1 Temp. °C 11.1 (Visual) 1.0 (Correction Factor) 1.2 (Actual) Samples on ice, cooling process has begun
- Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

- Courier:** Fed Ex UPS USPS Client Commercial Pace Other _____
- Shipping Method:** First Overnight Priority Overnight Standard Overnight Ground Other _____
- Billing:** Recipient Sender Third Party Unknown

Tracking # _____

- Custody Seal on Cooler/Box Present:** Yes No **Seals intact:** Yes No **Ice:** Wet Blue None
- Packing Material:** Bubble Wrap Bubble Bags None Other _____
- Samples shorted to lab (if Yes, complete)** **Shorted Date:** _____ **Shorted Time:** _____ **Qty:** _____

Comments:

Chain of Custody Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:
Person Contacted: _____ **Date/Time:** _____

Comments/ Resolution (use back for additional comments): _____

July 23, 2017

Ash Aitharaju
AMEC Foster Wheeler Environment &
Infrastructure
5845 NW 158th Street
Miami Lakes, FL 33014

RE: Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Dear Ash Aitharaju:

Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revision 1: TCLP and SPLP have been added.

Revision 2: SPLP has been added for SB-16 E50 (0-6").

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35319891001	SB-22 W25 (0-6")	Solid	06/21/17 10:37	06/22/17 11:15
35319891002	SB-22 W25 (6"-2')	Solid	06/21/17 10:39	06/22/17 11:15
35319891003	SB-22 (0-6")	Solid	06/21/17 10:52	06/22/17 11:15
35319891004	SB-22 (6"-2')	Solid	06/21/17 10:54	06/22/17 11:15
35319891005	SB-22 E25 (0-6")	Solid	06/21/17 11:12	06/22/17 11:15
35319891006	SB-22 E25 (6"-2')	Solid	06/21/17 11:14	06/22/17 11:15
35319891007	SB-19 (0-6")	Solid	06/21/17 11:57	06/22/17 11:15
35319891008	SB-19 (6"-2')	Solid	06/21/17 11:59	06/22/17 11:15
35319891009	SB-21 (0-6")	Solid	06/21/17 12:20	06/22/17 11:15
35319891010	SB-21 (6"-2')	Solid	06/21/17 12:22	06/22/17 11:15
35319891011	SB-23 E25 (0-6")	Solid	06/21/17 14:07	06/22/17 11:15
35319891012	SB-23 E25 (6"-2')	Solid	06/21/17 14:09	06/22/17 11:15
35319891013	SB-23 W25 (0-6")	Solid	06/21/17 14:17	06/22/17 11:15
35319891014	SB-23 W25 (6"-2')	Solid	06/21/17 14:19	06/22/17 11:15
35319891015	SB-23 (0-6")	Solid	06/21/17 14:30	06/22/17 11:15
35319891016	SB-23 (6"-2')	Solid	06/21/17 14:35	06/22/17 11:15
35319891017	SB-24 W25 (0-6")	Solid	06/21/17 15:07	06/22/17 11:15
35319891018	SB-24 W25 (6"-2')	Solid	06/21/17 15:09	06/22/17 11:15
35319891019	SB-24 E25 (0-6")	Solid	06/21/17 15:17	06/22/17 11:15
35319891020	SB-24 E25 (6"-2')	Solid	06/21/17 15:19	06/22/17 11:15
35319891021	SB-24 (0-6")	Solid	06/21/17 15:20	06/22/17 11:15
35319891022	SB-24 (6"-2')	Solid	06/21/17 15:30	06/22/17 11:15
35319891023	SB-25 E25 (0-6")	Solid	06/21/17 16:12	06/22/17 11:15
35319891024	SB-25 E25 (6"-2')	Solid	06/21/17 16:14	06/22/17 11:15
35319891025	SB-25 (0-6")	Solid	06/21/17 16:29	06/22/17 11:15
35319891026	SB-25 (6"-2')	Solid	06/21/17 16:29	06/22/17 11:15
35319891027	SB-25 W25 (0-6")	Solid	06/21/17 16:42	06/22/17 11:15
35319891028	SB-25 W25 (6"-2')	Solid	06/21/17 16:44	06/22/17 11:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319891001	SB-22 W25 (0-6")	EPA 6010	BTS, LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319891002	SB-22 W25 (6"-2')	EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319891003	SB-22 (0-6")	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS, LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319891004	SB-22 (6"-2')	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891005	SB-22 E25 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS, LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891006	SB-22 E25 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 6010	BTS	1	PASI-O
35319891007	SB-19 (0-6")	EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		FL-PRO	JGW	3	PASI-O
35319891008	SB-19 (6"-2')	EPA 6010	BTS	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
35319891008	SB-19 (6"-2')	ASTM D2974-87	RAK	1	PASI-O
		FL-PRO	JGW	3	PASI-O
		EPA 6010	BTS	7	PASI-O
		EPA 6010	BTS	1	PASI-O
35319891008	SB-19 (6"-2')	EPA 7471	MLO	1	PASI-O
		EPA 6010	BTS	7	PASI-O

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319891009	SB-21 (0-6")	EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		FL-PRO	JGW	3	PASI-O
		EPA 6010	BTS	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891010	SB-21 (6"-2')	EPA 8260	BCH	10	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		FL-PRO	JGW	3	PASI-O
		EPA 6010	BTS	7	PASI-O
		EPA 7471	MLO	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	10	PASI-O
35319891011	SB-23 E25 (0-6")	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC, RVK	2	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
35319891012	SB-23 E25 (6"-2')	EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319891013	SB-23 W25 (0-6")	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891014	SB-23 W25 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319891015	SB-23 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319891016	SB-23 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	JDT	21	PASI-O
35319891017	SB-24 W25 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	JDT	21	PASI-O
35319891018	SB-24 W25 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	JDT	21	PASI-O
35319891019	SB-24 E25 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891020	SB-24 E25 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891021	SB-24 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891022	SB-24 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35319891023	SB-25 E25 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35319891024	SB-25 E25 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319891025	SB-25 (0-6")	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	69	PASI-O
35319891026	SB-25 (6"-2')	ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891027	SB-25 W25 (0-6")	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
35319891028	SB-25 W25 (6"-2')	EPA 8260	BCH	69	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
		EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35319891001	SB-22 W25 (0-6")					
EPA 6010	Arsenic	0.65	mg/kg	0.57	06/27/17 07:41	
EPA 8260	Acetone	0.099	mg/kg	0.023	06/24/17 11:09	
ASTM D2974-87	Percent Moisture	15.8	%	0.10	06/29/17 14:29	
35319891002	SB-22 W25 (6"-2')					
EPA 6010	Arsenic	4.0	mg/kg	0.47	06/27/17 07:57	
EPA 6010	Lead	38.1	mg/kg	0.47	06/27/17 07:57	
EPA 6010	Arsenic	0.019	mg/L	0.010	07/12/17 19:25	J(M1)
EPA 8270	Benzo(a)anthracene	0.016 l	mg/kg	0.035	06/26/17 19:29	
EPA 8270	Benzo(a)pyrene	0.015 l	mg/kg	0.035	06/26/17 19:29	
EPA 8270	Benzo(g,h,i)perylene	0.013 l	mg/kg	0.035	06/26/17 19:29	
EPA 8270	Benzo(k)fluoranthene	0.024 l	mg/kg	0.035	06/26/17 19:29	
EPA 8270	Chrysene	0.030 l	mg/kg	0.035	06/26/17 19:29	
EPA 8270	Fluoranthene	0.045	mg/kg	0.035	06/26/17 19:29	
EPA 8270	Pyrene	0.036	mg/kg	0.035	06/26/17 19:29	
EPA 8260	Acetone	0.063	mg/kg	0.017	06/24/17 11:32	
ASTM D2974-87	Percent Moisture	5.6	%	0.10	06/29/17 14:29	
35319891003	SB-22 (0-6")					
EPA 6010	Arsenic	0.42 l	mg/kg	0.54	06/27/17 08:19	
EPA 8260	Acetone	0.054	mg/kg	0.018	06/24/17 11:56	
ASTM D2974-87	Percent Moisture	6.8	%	0.10	06/29/17 14:29	
35319891004	SB-22 (6"-2')					
EPA 6010	Arsenic	18.7	mg/kg	0.52	06/27/17 08:23	
EPA 6010	Lead	50.4	mg/kg	0.52	06/27/17 08:23	
EPA 6010	Arsenic	0.020	mg/L	0.010	07/12/17 19:45	
EPA 8270	Benzo(a)pyrene	0.0089 l	mg/kg	0.034	06/26/17 20:14	
EPA 8260	Acetone	0.089	mg/kg	0.019	06/24/17 12:19	
ASTM D2974-87	Percent Moisture	2.3	%	0.10	06/29/17 14:29	
35319891005	SB-22 E25 (0-6")					
EPA 6010	Arsenic	0.72	mg/kg	0.54	06/27/17 08:28	
EPA 8260	Acetone	0.067	mg/kg	0.017	06/26/17 13:08	J(M1)
ASTM D2974-87	Percent Moisture	4.9	%	0.10	06/29/17 14:29	
35319891006	SB-22 E25 (6"-2')					
EPA 6010	Arsenic	4.6	mg/kg	0.50	06/27/17 08:32	
EPA 6010	Lead	34.3	mg/kg	0.50	06/27/17 08:32	
EPA 8270	Benzo(a)anthracene	0.018 l	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Benzo(a)pyrene	0.038	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Benzo(b)fluoranthene	0.071	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Benzo(g,h,i)perylene	0.023 l	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Chrysene	0.038	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Fluoranthene	0.035 l	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.022 l	mg/kg	0.037	06/26/17 20:59	
EPA 8270	1-Methylnaphthalene	0.017 l	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Phenanthrene	0.019 l	mg/kg	0.037	06/26/17 20:59	
EPA 8270	Pyrene	0.045	mg/kg	0.037	06/26/17 20:59	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891006	SB-22 E25 (6"-2')					
EPA 8260	Acetone	0.070	mg/kg	0.021	06/26/17 13:54	
ASTM D2974-87	Percent Moisture	11.9	%	0.10	06/29/17 14:29	
35319891007	SB-19 (0-6")					
FL-PRO	Petroleum Range Organics	36.2	mg/kg	4.4	06/26/17 18:32	
EPA 6010	Arsenic	5.0	mg/kg	0.49	06/27/17 08:36	
EPA 6010	Barium	9.6	mg/kg	0.49	06/27/17 08:36	
EPA 6010	Cadmium	0.33	mg/kg	0.049	06/27/17 08:36	
EPA 6010	Chromium	11.2	mg/kg	0.24	06/27/17 08:36	
EPA 6010	Lead	18.0	mg/kg	0.49	06/27/17 08:36	
EPA 7471	Mercury	0.13	mg/kg	0.0086	06/28/17 14:17	
EPA 8270	Benzo(a)anthracene	0.025 l	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Benzo(a)pyrene	0.043	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Benzo(b)fluoranthene	0.045	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Benzo(g,h,i)perylene	0.030 l	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Benzo(k)fluoranthene	0.048	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Chrysene	0.048	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Fluoranthene	0.058	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.024 l	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Phenanthrene	0.015 l	mg/kg	0.036	06/26/17 21:21	
EPA 8270	Pyrene	0.056	mg/kg	0.036	06/26/17 21:21	
ASTM D2974-87	Percent Moisture	9.4	%	0.10	06/29/17 14:29	
35319891008	SB-19 (6"-2')					
FL-PRO	Petroleum Range Organics	3.5 l	mg/kg	4.4	06/27/17 10:51	
EPA 6010	Arsenic	5.0	mg/kg	0.63	06/27/17 08:40	
EPA 6010	Barium	6.1	mg/kg	0.63	06/27/17 08:40	
EPA 6010	Cadmium	0.32	mg/kg	0.063	06/27/17 08:40	
EPA 6010	Chromium	12.3	mg/kg	0.31	06/27/17 08:40	
EPA 6010	Lead	16.1	mg/kg	0.63	06/27/17 08:40	
EPA 6010	Arsenic	0.0055 l	mg/L	0.010	07/22/17 10:13	
EPA 7471	Mercury	0.017	mg/kg	0.0096	06/28/17 14:19	
EPA 8270	Benzo(a)anthracene	0.089	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Benzo(a)pyrene	0.10	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Benzo(b)fluoranthene	0.15	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Benzo(g,h,i)perylene	0.097	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Benzo(k)fluoranthene	0.073	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Chrysene	0.11	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Dibenz(a,h)anthracene	0.048	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Fluoranthene	0.085	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.080	mg/kg	0.037	06/29/17 23:40	
EPA 8270	1-Methylnaphthalene	0.036 l	mg/kg	0.037	06/29/17 23:40	
EPA 8270	2-Methylnaphthalene	0.039	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Naphthalene	0.034 l	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Phenanthrene	0.022 l	mg/kg	0.037	06/29/17 23:40	
EPA 8270	Pyrene	0.087	mg/kg	0.037	06/29/17 23:40	
ASTM D2974-87	Percent Moisture	10.0	%	0.10	06/29/17 14:29	J(D6)

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891009	SB-21 (0-6")					
FL-PRO	Petroleum Range Organics	12.6	mg/kg	4.5	06/26/17 18:56	
EPA 6010	Arsenic	1.1	mg/kg	0.48	06/27/17 08:45	
EPA 6010	Barium	12.0	mg/kg	0.48	06/27/17 08:45	
EPA 6010	Cadmium	0.21	mg/kg	0.048	06/27/17 08:45	
EPA 6010	Chromium	6.6	mg/kg	0.24	06/27/17 08:45	
EPA 6010	Lead	12.6	mg/kg	0.48	06/27/17 08:45	
EPA 7471	Mercury	0.018	mg/kg	0.0097	06/28/17 14:21	
EPA 8270	Benzo(a)anthracene	0.029	l mg/kg	0.036	06/30/17 00:02	
EPA 8270	Benzo(a)pyrene	0.040	mg/kg	0.036	06/30/17 00:02	
EPA 8270	Benzo(b)fluoranthene	0.072	mg/kg	0.036	06/30/17 00:02	
EPA 8270	Benzo(g,h,i)perylene	0.060	mg/kg	0.036	06/30/17 00:02	
EPA 8270	Benzo(k)fluoranthene	0.033	l mg/kg	0.036	06/30/17 00:02	
EPA 8270	Chrysene	0.052	mg/kg	0.036	06/30/17 00:02	
EPA 8270	Fluoranthene	0.073	mg/kg	0.036	06/30/17 00:02	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	0.036	06/30/17 00:02	
EPA 8270	Phenanthrene	0.023	l mg/kg	0.036	06/30/17 00:02	
EPA 8270	Pyrene	0.059	mg/kg	0.036	06/30/17 00:02	
ASTM D2974-87	Percent Moisture	10.0	%	0.10	06/29/17 14:29	
35319891010	SB-21 (6"-2')					
FL-PRO	Petroleum Range Organics	16.1	mg/kg	9.5	06/27/17 10:51	
EPA 6010	Arsenic	2.9	mg/kg	0.70	06/27/17 08:49	
EPA 6010	Barium	9.6	mg/kg	0.70	06/27/17 08:49	
EPA 6010	Cadmium	0.19	mg/kg	0.070	06/27/17 08:49	
EPA 6010	Chromium	8.0	mg/kg	0.35	06/27/17 08:49	
EPA 6010	Lead	48.9	mg/kg	0.70	06/27/17 08:49	
EPA 7471	Mercury	0.027	mg/kg	0.011	06/28/17 14:23	
EPA 8270	Benzo(a)anthracene	0.035	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	Benzo(a)pyrene	0.040	mg/kg	0.038	06/30/17 00:25	
EPA 8270	Benzo(b)fluoranthene	0.054	mg/kg	0.038	06/30/17 00:25	
EPA 8270	Benzo(g,h,i)perylene	0.036	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	Benzo(k)fluoranthene	0.036	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	Chrysene	0.048	mg/kg	0.038	06/30/17 00:25	
EPA 8270	Fluoranthene	0.066	mg/kg	0.038	06/30/17 00:25	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.029	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	1-Methylnaphthalene	0.017	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	2-Methylnaphthalene	0.020	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	Naphthalene	0.019	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	Phenanthrene	0.017	l mg/kg	0.038	06/30/17 00:25	
EPA 8270	Pyrene	0.060	mg/kg	0.038	06/30/17 00:25	
ASTM D2974-87	Percent Moisture	14.5	%	0.10	06/29/17 14:29	
35319891011	SB-23 E25 (0-6")					
EPA 6010	Arsenic	6.1	mg/kg	0.55	06/27/17 10:24	
EPA 6010	Lead	1960	mg/kg	55.1	06/27/17 19:20	
EPA 6010	Lead	0.48	mg/L	0.10	07/12/17 18:10	
EPA 8270	Acenaphthylene	0.015	l mg/kg	0.041	06/30/17 00:47	
EPA 8270	Anthracene	0.031	l mg/kg	0.041	06/30/17 00:47	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891011	SB-23 E25 (0-6")					
EPA 8270	Benzo(a)anthracene	0.27	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Benzo(a)pyrene	0.36	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Benzo(b)fluoranthene	0.50	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Benzo(g,h,i)perylene	0.32	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Benzo(k)fluoranthene	0.25	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Chrysene	0.38	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Dibenz(a,h)anthracene	0.11	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Fluoranthene	0.59	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.27	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Phenanthrene	0.14	mg/kg	0.041	06/30/17 00:47	
EPA 8270	Pyrene	0.47	mg/kg	0.041	06/30/17 00:47	
EPA 8260	Acetone	0.27	mg/kg	0.021	06/26/17 16:13	
ASTM D2974-87	Percent Moisture	19.7	%	0.10	06/29/17 14:29	
35319891012	SB-23 E25 (6"-2')					
EPA 6010	Arsenic	4.9	mg/kg	0.77	06/27/17 10:28	
EPA 6010	Lead	84.7	mg/kg	0.77	06/27/17 10:28	
EPA 6010	Arsenic	0.0084 l	mg/L	0.010	07/12/17 19:55	
EPA 8270	Benzo(a)anthracene	0.017 l	mg/kg	0.043	06/30/17 01:09	
EPA 8270	Benzo(a)pyrene	0.019 l	mg/kg	0.043	06/30/17 01:09	
EPA 8270	Benzo(b)fluoranthene	0.037 l	mg/kg	0.043	06/30/17 01:09	
EPA 8270	Benzo(g,h,i)perylene	0.017 l	mg/kg	0.043	06/30/17 01:09	
EPA 8270	Benzo(k)fluoranthene	0.018 l	mg/kg	0.043	06/30/17 01:09	
EPA 8270	Chrysene	0.026 l	mg/kg	0.043	06/30/17 01:09	
EPA 8270	Fluoranthene	0.021 l	mg/kg	0.043	06/30/17 01:09	
EPA 8260	Acetone	0.39	mg/kg	0.023	06/26/17 16:36	
ASTM D2974-87	Percent Moisture	23.3	%	0.10	06/29/17 14:29	
35319891013	SB-23 W25 (0-6")					
EPA 6010	Arsenic	2.3	mg/kg	0.57	06/27/17 11:22	
EPA 6010	Lead	16.4	mg/kg	0.57	06/27/17 11:22	
EPA 8270	Benzo(a)pyrene	0.012 l	mg/kg	0.038	06/30/17 01:32	
EPA 8270	Benzo(k)fluoranthene	0.0092 l	mg/kg	0.038	06/30/17 01:32	
EPA 8270	Chrysene	0.015 l	mg/kg	0.038	06/30/17 01:32	
EPA 8270	Fluoranthene	0.025 l	mg/kg	0.038	06/30/17 01:32	
EPA 8270	Pyrene	0.023 l	mg/kg	0.038	06/30/17 01:32	
EPA 8260	Acetone	0.13	mg/kg	0.020	06/26/17 16:58	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	06/29/17 14:29	
35319891014	SB-23 W25 (6"-2')					
EPA 6010	Arsenic	88.3	mg/kg	0.67	06/27/17 11:27	
EPA 6010	Lead	6.6	mg/kg	0.67	06/27/17 11:27	
EPA 6010	Arsenic	0.56	mg/L	0.010	07/12/17 20:10	
EPA 8270	Anthracene	0.018 l	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Benzo(a)anthracene	0.053	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Benzo(a)pyrene	0.046	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Benzo(b)fluoranthene	0.087	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Benzo(g,h,i)perylene	0.035 l	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Chrysene	0.049	mg/kg	0.036	06/30/17 01:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891014	SB-23 W25 (6"-2')					
EPA 8270	Fluoranthene	0.11	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.030	l	0.036	06/30/17 01:54	
EPA 8270	Phenanthrene	0.076	mg/kg	0.036	06/30/17 01:54	
EPA 8270	Pyrene	0.078	mg/kg	0.036	06/30/17 01:54	
EPA 8260	Acetone	0.16	mg/kg	0.021	06/26/17 17:22	
ASTM D2974-87	Percent Moisture	9.2	%	0.10	06/29/17 14:29	
35319891015	SB-23 (0-6")					
EPA 6010	Arsenic	23.7	mg/kg	0.79	06/27/17 11:31	
EPA 6010	Lead	417	mg/kg	0.79	06/27/17 11:31	
EPA 6010	Lead	0.12	mg/L	0.10	07/12/17 18:30	
EPA 8270	Acenaphthylene	0.031	l	0.042	06/30/17 02:17	
EPA 8270	Anthracene	0.022	l	0.042	06/30/17 02:17	
EPA 8270	Benzo(a)anthracene	0.094	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Benzo(a)pyrene	0.11	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Benzo(b)fluoranthene	0.17	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Benzo(g,h,i)perylene	0.088	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Benzo(k)fluoranthene	0.071	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Chrysene	0.12	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Fluoranthene	0.17	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	0.042	06/30/17 02:17	
EPA 8270	Phenanthrene	0.031	l	0.042	06/30/17 02:17	
EPA 8270	Pyrene	0.18	mg/kg	0.042	06/30/17 02:17	
EPA 8260	Acetone	0.23	mg/kg	0.022	06/26/17 22:21	J(M1)
ASTM D2974-87	Percent Moisture	22.1	%	0.10	06/29/17 14:29	
35319891016	SB-23 (6"-2')					
EPA 6010	Arsenic	34.5	mg/kg	0.68	06/27/17 11:35	
EPA 6010	Lead	339	mg/kg	0.68	06/27/17 11:35	
EPA 6010	Arsenic	0.087	mg/L	0.010	07/12/17 20:15	
EPA 8270	Acenaphthylene	0.039	l	0.081	06/29/17 18:49	D3
EPA 8270	Anthracene	0.027	l	0.081	06/29/17 18:49	D3
EPA 8270	Benzo(a)anthracene	0.16	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Benzo(a)pyrene	0.19	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Benzo(b)fluoranthene	0.41	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Benzo(g,h,i)perylene	0.14	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Chrysene	0.23	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Fluoranthene	0.43	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	0.081	06/29/17 18:49	D3
EPA 8270	Phenanthrene	0.043	l	0.081	06/29/17 18:49	D3
EPA 8270	Pyrene	0.40	mg/kg	0.081	06/29/17 18:49	D3
EPA 8260	Acetone	0.16	mg/kg	0.021	06/26/17 23:08	
ASTM D2974-87	Percent Moisture	20.2	%	0.10	06/29/17 14:29	
35319891017	SB-24 W25 (0-6")					
EPA 6010	Arsenic	19.3	mg/kg	0.57	06/27/17 11:39	
EPA 6010	Lead	83.9	mg/kg	0.57	06/27/17 11:39	
EPA 6010	Arsenic	0.034	mg/L	0.010	07/12/17 20:20	
EPA 8270	Acenaphthylene	0.13	mg/kg	0.041	06/29/17 19:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891017	SB-24 W25 (0-6")					
EPA 8270	Anthracene	0.095	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Benzo(a)anthracene	0.35	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Benzo(a)pyrene	0.49	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Benzo(b)fluoranthene	0.69	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Benzo(g,h,i)perylene	0.40	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Benzo(k)fluoranthene	0.40	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Chrysene	0.46	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Dibenz(a,h)anthracene	0.12	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Fluoranthene	0.62	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.32	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Phenanthrene	0.099	mg/kg	0.041	06/29/17 19:11	
EPA 8270	Pyrene	0.70	mg/kg	0.041	06/29/17 19:11	
EPA 8260	Acetone	0.098	mg/kg	0.021	06/26/17 23:54	
ASTM D2974-87	Percent Moisture	19.4	%	0.10	06/29/17 14:29	
35319891018	SB-24 W25 (6"-2')					
EPA 6010	Arsenic	10.1	mg/kg	0.52	06/27/17 11:43	
EPA 6010	Lead	135	mg/kg	0.52	06/27/17 11:43	
EPA 6010	Arsenic	0.16	mg/L	0.010	07/12/17 20:25	
EPA 8270	Acenaphthylene	0.37	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Anthracene	0.14	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Benzo(a)anthracene	1.1	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Benzo(a)pyrene	1.3	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Benzo(b)fluoranthene	1.8	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Benzo(g,h,i)perylene	0.86	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Benzo(k)fluoranthene	0.77	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Chrysene	1.0	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Fluoranthene	2.0	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.78	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Phenanthrene	0.053 l	mg/kg	0.078	06/29/17 19:34	D3
EPA 8270	Pyrene	2.1	mg/kg	0.078	06/29/17 19:34	D3
EPA 8260	Acetone	0.12	mg/kg	0.022	06/27/17 00:17	
ASTM D2974-87	Percent Moisture	17.5	%	0.10	06/29/17 14:29	
35319891019	SB-24 E25 (0-6")					
EPA 6010	Arsenic	14.0	mg/kg	0.47	06/27/17 11:48	
EPA 6010	Lead	45.1	mg/kg	0.47	06/27/17 11:48	
EPA 6010	Arsenic	0.026	mg/L	0.010	07/12/17 20:30	
EPA 8270	Acenaphthylene	0.044	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Anthracene	0.024 l	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Benzo(a)anthracene	0.057	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Benzo(a)pyrene	0.088	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Benzo(b)fluoranthene	0.11	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Benzo(g,h,i)perylene	0.075	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Benzo(k)fluoranthene	0.086	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Chrysene	0.077	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Fluoranthene	0.081	mg/kg	0.036	06/30/17 02:39	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.055	mg/kg	0.036	06/30/17 02:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891019	SB-24 E25 (0-6")					
EPA 8270	Pyrene	0.10	mg/kg	0.036	06/30/17 02:39	
EPA 8260	Acetone	0.27	mg/kg	0.017	06/27/17 00:40	
ASTM D2974-87	Percent Moisture	8.3	%	0.10	06/29/17 14:29	
35319891020	SB-24 E25 (6"-2')					
EPA 6010	Arsenic	22.5	mg/kg	0.60	06/27/17 11:52	
EPA 6010	Lead	94.5	mg/kg	0.60	06/27/17 11:52	
EPA 6010	Arsenic	0.069	mg/L	0.010	07/12/17 20:35	
EPA 8270	Acenaphthylene	0.058	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Anthracene	0.035 l	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Benzo(a)anthracene	0.10	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Benzo(a)pyrene	0.15	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Benzo(b)fluoranthene	0.21	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Benzo(g,h,i)perylene	0.11	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Benzo(k)fluoranthene	0.12	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Chrysene	0.15	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Dibenz(a,h)anthracene	0.058	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Fluoranthene	0.16	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.094	mg/kg	0.038	06/30/17 03:02	
EPA 8270	1-Methylnaphthalene	0.016 l	mg/kg	0.038	06/30/17 03:02	
EPA 8270	2-Methylnaphthalene	0.023 l	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Naphthalene	0.021 l	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Phenanthrene	0.025 l	mg/kg	0.038	06/30/17 03:02	
EPA 8270	Pyrene	0.20	mg/kg	0.038	06/30/17 03:02	
EPA 8260	Acetone	0.14	mg/kg	0.019	06/27/17 01:03	
ASTM D2974-87	Percent Moisture	11.7	%	0.10	06/29/17 14:29	
35319891021	SB-24 (0-6")					
EPA 6010	Arsenic	28.8	mg/kg	0.65	06/27/17 04:46	
EPA 6010	Lead	114	mg/kg	0.65	06/27/17 04:46	
EPA 6010	Arsenic	0.036	mg/L	0.010	07/12/17 20:40	
EPA 8270	Acenaphthylene	0.15	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Anthracene	0.10	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Benzo(a)anthracene	0.35	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Benzo(a)pyrene	0.45	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Benzo(b)fluoranthene	0.66	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Benzo(g,h,i)perylene	0.37	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Benzo(k)fluoranthene	0.42	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Chrysene	0.43	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Dibenz(a,h)anthracene	0.11	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Fluoranthene	0.53	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.30	mg/kg	0.034	06/30/17 03:24	
EPA 8270	1-Methylnaphthalene	0.019 l	mg/kg	0.034	06/30/17 03:24	
EPA 8270	2-Methylnaphthalene	0.028 l	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Naphthalene	0.022 l	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Phenanthrene	0.069	mg/kg	0.034	06/30/17 03:24	
EPA 8270	Pyrene	0.56	mg/kg	0.034	06/30/17 03:24	
EPA 8260	Acetone	0.13	mg/kg	0.020	06/27/17 01:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891021	SB-24 (0-6")					
ASTM D2974-87	Percent Moisture	3.3	%	0.10	06/29/17 14:29	
35319891022	SB-24 (6"-2')					
EPA 6010	Arsenic	16.9	mg/kg	0.53	06/27/17 04:51	
EPA 6010	Lead	84.0	mg/kg	0.53	06/27/17 04:51	
EPA 6010	Arsenic	0.016	mg/L	0.010	07/12/17 20:45	
EPA 8270	Acenaphthylene	0.076	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Anthracene	0.039	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Benzo(a)anthracene	0.15	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Benzo(a)pyrene	0.20	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Benzo(b)fluoranthene	0.30	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Benzo(g,h,i)perylene	0.13	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Benzo(k)fluoranthene	0.12	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Chrysene	0.16	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Dibenz(a,h)anthracene	0.054	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Fluoranthene	0.19	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	0.035	06/30/17 03:47	
EPA 8270	Pyrene	0.25	mg/kg	0.035	06/30/17 03:47	
EPA 8260	Acetone	0.17	mg/kg	0.021	06/27/17 01:49	
ASTM D2974-87	Percent Moisture	5.1	%	0.10	06/29/17 14:29	
35319891023	SB-25 E25 (0-6")					
EPA 6010	Arsenic	3.3	mg/kg	0.65	06/27/17 04:56	
EPA 6010	Lead	4.1	mg/kg	0.65	06/27/17 04:56	
EPA 8270	Benzo(a)anthracene	0.029	l	0.081	06/30/17 04:09	D3
EPA 8270	Benzo(a)pyrene	0.029	l	0.081	06/30/17 04:09	D3
EPA 8270	Fluoranthene	0.045	l	0.081	06/30/17 04:09	D3
EPA 8260	Acetone	0.16	mg/kg	0.025	06/27/17 02:12	
ASTM D2974-87	Percent Moisture	19.9	%	0.10	06/29/17 14:29	
35319891024	SB-25 E25 (6"-2')					
EPA 6010	Arsenic	47.4	mg/kg	0.71	06/27/17 05:01	
EPA 6010	Lead	31.3	mg/kg	0.71	06/27/17 05:01	
EPA 6010	Arsenic	0.059	mg/L	0.010	07/12/17 20:50	
EPA 8270	Acenaphthylene	0.31	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Anthracene	0.13	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Benzo(a)anthracene	0.94	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Benzo(a)pyrene	0.90	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Benzo(b)fluoranthene	1.1	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Benzo(g,h,i)perylene	0.58	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Benzo(k)fluoranthene	0.72	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Chrysene	0.90	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Dibenz(a,h)anthracene	0.20	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Fluoranthene	2.2	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.53	mg/kg	0.10	06/30/17 04:31	D3
EPA 8270	Phenanthrene	0.039	l	0.10	06/30/17 04:31	D3
EPA 8270	Pyrene	2.0	mg/kg	0.10	06/30/17 04:31	D3
EPA 8260	Acetone	0.47	mg/kg	0.024	06/27/17 02:35	
ASTM D2974-87	Percent Moisture	34.6	%	0.10	06/29/17 14:29	

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35319891025	SB-25 (0-6")					
EPA 6010	Arsenic	3.0	mg/kg	0.56	06/27/17 05:06	
EPA 6010	Lead	8.7	mg/kg	0.56	06/27/17 05:06	
EPA 8270	Benzo(a)anthracene	0.029	l	0.039	06/30/17 05:39	
EPA 8270	Benzo(a)pyrene	0.036	l	0.039	06/30/17 05:39	
EPA 8270	Benzo(b)fluoranthene	0.046	mg/kg	0.039	06/30/17 05:39	
EPA 8270	Benzo(g,h,i)perylene	0.031	l	0.039	06/30/17 05:39	
EPA 8270	Benzo(k)fluoranthene	0.028	l	0.039	06/30/17 05:39	
EPA 8270	Chrysene	0.033	l	0.039	06/30/17 05:39	
EPA 8270	Dibenz(a,h)anthracene	0.039	l	0.039	06/30/17 05:39	
EPA 8270	Fluoranthene	0.046	mg/kg	0.039	06/30/17 05:39	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.025	l	0.039	06/30/17 05:39	
EPA 8270	Pyrene	0.040	mg/kg	0.039	06/30/17 05:39	
EPA 8260	Acetone	0.052	mg/kg	0.023	06/27/17 02:58	
ASTM D2974-87	Percent Moisture	16.9	%	0.10	06/29/17 14:29	
35319891026	SB-25 (6"-2')					
EPA 6010	Arsenic	36.5	mg/kg	0.72	06/27/17 05:11	
EPA 6010	Lead	15.2	mg/kg	0.72	06/27/17 05:11	
EPA 6010	Arsenic	0.038	mg/L	0.010	07/12/17 20:55	
EPA 8270	Acenaphthylene	0.031	l	0.088	06/30/17 06:01	D3
EPA 8270	Benzo(a)anthracene	0.076	l	0.088	06/30/17 06:01	D3
EPA 8270	Benzo(a)pyrene	0.087	l	0.088	06/30/17 06:01	D3
EPA 8270	Benzo(b)fluoranthene	0.14	mg/kg	0.088	06/30/17 06:01	D3
EPA 8270	Benzo(g,h,i)perylene	0.078	l	0.088	06/30/17 06:01	D3
EPA 8270	Benzo(k)fluoranthene	0.059	l	0.088	06/30/17 06:01	D3
EPA 8270	Chrysene	0.092	mg/kg	0.088	06/30/17 06:01	D3
EPA 8270	Dibenz(a,h)anthracene	0.092	mg/kg	0.088	06/30/17 06:01	D3
EPA 8270	Fluoranthene	0.12	mg/kg	0.088	06/30/17 06:01	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.065	l	0.088	06/30/17 06:01	D3
EPA 8270	Pyrene	0.12	mg/kg	0.088	06/30/17 06:01	D3
EPA 8260	Acetone	0.14	mg/kg	0.024	06/27/17 03:22	
ASTM D2974-87	Percent Moisture	27.0	%	0.10	06/29/17 14:29	
35319891027	SB-25 W25 (0-6")					
EPA 6010	Arsenic	2.6	mg/kg	0.51	06/27/17 05:17	
EPA 6010	Lead	7.9	mg/kg	0.51	06/27/17 05:17	
EPA 8270	Benzo(a)anthracene	0.038	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Benzo(a)pyrene	0.048	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Benzo(b)fluoranthene	0.070	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Benzo(g,h,i)perylene	0.043	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Benzo(k)fluoranthene	0.038	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Chrysene	0.055	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Dibenz(a,h)anthracene	0.038	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Fluoranthene	0.092	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.035	l	0.038	06/30/17 06:24	
EPA 8270	Phenanthrene	0.039	mg/kg	0.038	06/30/17 06:24	
EPA 8270	Pyrene	0.078	mg/kg	0.038	06/30/17 06:24	
EPA 8260	Acetone	0.10	mg/kg	0.026	06/27/17 03:45	

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35319891027	SB-25 W25 (0-6")					
ASTM D2974-87	Percent Moisture	12.4	%	0.10	06/29/17 14:29	
35319891028	SB-25 W25 (6"-2")					
EPA 6010	Arsenic	2.9	mg/kg	0.51	06/27/17 05:22	
EPA 6010	Lead	9.5	mg/kg	0.51	06/27/17 05:22	
EPA 8270	Benzo(a)anthracene	0.043	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Benzo(a)pyrene	0.049	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Benzo(b)fluoranthene	0.064	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Benzo(g,h,i)perylene	0.036	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Benzo(k)fluoranthene	0.028	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Chrysene	0.045	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Dibenz(a,h)anthracene	0.067	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Fluoranthene	0.066	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8270	Pyrene	0.065	l mg/kg	0.072	06/30/17 06:46	D3
EPA 8260	Acetone	0.038	mg/kg	0.018	06/27/17 04:08	
ASTM D2974-87	Percent Moisture	8.6	%	0.10	06/29/17 14:29	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 W25 (0-6") **Lab ID: 35319891001** Collected: 06/21/17 10:37 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.65	mg/kg	0.57	0.28	1	06/26/17 17:00	06/27/17 07:41	7440-38-2	
Lead	2.8 U	mg/kg	5.7	2.8	10	06/26/17 17:00	06/27/17 14:24	7439-92-1	D3
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/26/17 09:10	06/26/17 19:06	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.039	0.012	1	06/26/17 09:10	06/26/17 19:06	208-96-8	
Anthracene	0.012 U	mg/kg	0.039	0.012	1	06/26/17 09:10	06/26/17 19:06	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.039	0.011	1	06/26/17 09:10	06/26/17 19:06	56-55-3	
Benzo(a)pyrene	0.0046 U	mg/kg	0.039	0.0046	1	06/26/17 09:10	06/26/17 19:06	50-32-8	
Benzo(b)fluoranthene	0.029 U	mg/kg	0.039	0.029	1	06/26/17 09:10	06/26/17 19:06	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.039	0.014	1	06/26/17 09:10	06/26/17 19:06	191-24-2	
Benzo(k)fluoranthene	0.0085 U	mg/kg	0.039	0.0085	1	06/26/17 09:10	06/26/17 19:06	207-08-9	
Chrysene	0.014 U	mg/kg	0.039	0.014	1	06/26/17 09:10	06/26/17 19:06	218-01-9	
Dibenz(a,h)anthracene	0.020 U	mg/kg	0.039	0.020	1	06/26/17 09:10	06/26/17 19:06	53-70-3	
Fluoranthene	0.013 U	mg/kg	0.039	0.013	1	06/26/17 09:10	06/26/17 19:06	206-44-0	
Fluorene	0.018 U	mg/kg	0.039	0.018	1	06/26/17 09:10	06/26/17 19:06	86-73-7	
Indeno(1,2,3-cd)pyrene	0.020 U	mg/kg	0.039	0.020	1	06/26/17 09:10	06/26/17 19:06	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.039	0.014	1	06/26/17 09:10	06/26/17 19:06	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.039	0.016	1	06/26/17 09:10	06/26/17 19:06	91-57-6	
Naphthalene	0.013 U	mg/kg	0.039	0.013	1	06/26/17 09:10	06/26/17 19:06	91-20-3	
Phenanthrene	0.015 U	mg/kg	0.039	0.015	1	06/26/17 09:10	06/26/17 19:06	85-01-8	
Pyrene	0.020 U	mg/kg	0.039	0.020	1	06/26/17 09:10	06/26/17 19:06	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	51	%	16-123		1	06/26/17 09:10	06/26/17 19:06	4165-60-0	
2-Fluorobiphenyl (S)	77	%	32-129		1	06/26/17 09:10	06/26/17 19:06	321-60-8	
Terphenyl-d14 (S)	80	%	38-138		1	06/26/17 09:10	06/26/17 19:06	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	630-20-6	
1,1,1-Trichloroethane	0.0031 U	mg/kg	0.0057	0.0031	1		06/24/17 11:09	71-55-6	
1,1,2,2-Tetrachloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	79-34-5	
1,1,2-Trichloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	79-00-5	
1,1-Dichloroethane	0.0031 U	mg/kg	0.0057	0.0031	1		06/24/17 11:09	75-34-3	
1,1-Dichloroethene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	75-35-4	
1,1-Dichloropropene	0.0029 U	mg/kg	0.0057	0.0029	1		06/24/17 11:09	563-58-6	
1,2,3-Trichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	87-61-6	
1,2,3-Trichloropropane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	96-18-4	
1,2,3-Trimethylbenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	526-73-8	N2
1,2,4-Trichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	120-82-1	
1,2,4-Trimethylbenzene	0.0032 U	mg/kg	0.0057	0.0032	1		06/24/17 11:09	95-63-6	
1,2-Dichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	95-50-1	
1,2-Dichloroethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	107-06-2	
1,2-Dichloropropane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	78-87-5	
1,3,5-Trimethylbenzene	0.0033 U	mg/kg	0.0057	0.0033	1		06/24/17 11:09	108-67-8	
1,3-Dichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 W25 (0-6")** Lab ID: **35319891001** Collected: 06/21/17 10:37 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	142-28-9	
1,4-Dichlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	106-46-7	
2,2-Dichloropropane	0.0029 U	mg/kg	0.0057	0.0029	1		06/24/17 11:09	594-20-7	
2-Butanone (MEK)	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	95-49-8	
2-Hexanone	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	591-78-6	
4-Chlorotoluene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	108-10-1	
Acetone	0.099	mg/kg	0.023	0.011	1		06/24/17 11:09	67-64-1	
Acetonitrile	0.028 U	mg/kg	0.057	0.028	1		06/24/17 11:09	75-05-8	
Benzene	0.0029 U	mg/kg	0.0057	0.0029	1		06/24/17 11:09	71-43-2	
Bromobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	108-86-1	
Bromochloromethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	74-97-5	
Bromodichloromethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	75-27-4	
Bromoform	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	75-25-2	
Bromomethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	74-83-9	
Carbon disulfide	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	75-15-0	
Carbon tetrachloride	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	56-23-5	
Chlorobenzene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	108-90-7	
Chloroethane	0.0041 U	mg/kg	0.0057	0.0041	1		06/24/17 11:09	75-00-3	
Chloroform	0.0034 U	mg/kg	0.0057	0.0034	1		06/24/17 11:09	67-66-3	
Chloromethane	0.0032 U	mg/kg	0.0057	0.0032	1		06/24/17 11:09	74-87-3	
Dibromochloromethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	124-48-1	
Dibromomethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	74-95-3	
Dichlorodifluoromethane	0.0030 U	mg/kg	0.0057	0.0030	1		06/24/17 11:09	75-71-8	
Ethylbenzene	0.0032 U	mg/kg	0.0057	0.0032	1		06/24/17 11:09	100-41-4	
Iodomethane	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	74-88-4	
Isopropylbenzene (Cumene)	0.0033 U	mg/kg	0.0057	0.0033	1		06/24/17 11:09	98-82-8	
Methyl-tert-butyl ether	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	1634-04-4	
Methylene Chloride	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	75-09-2	
Styrene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	100-42-5	
Tetrachloroethene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	127-18-4	
Toluene	0.0031 U	mg/kg	0.0057	0.0031	1		06/24/17 11:09	108-88-3	
Trichloroethene	0.0032 U	mg/kg	0.0057	0.0032	1		06/24/17 11:09	79-01-6	
Trichlorofluoromethane	0.0031 U	mg/kg	0.0057	0.0031	1		06/24/17 11:09	75-69-4	
Vinyl acetate	0.0029 U	mg/kg	0.0057	0.0029	1		06/24/17 11:09	108-05-4	
Vinyl chloride	0.0030 U	mg/kg	0.0057	0.0030	1		06/24/17 11:09	75-01-4	
Xylene (Total)	0.0058 U	mg/kg	0.017	0.0058	1		06/24/17 11:09	1330-20-7	
cis-1,2-Dichloroethene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	156-59-2	
cis-1,3-Dichloropropene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	10061-01-5	
m&p-Xylene	0.0058 U	mg/kg	0.011	0.0058	1		06/24/17 11:09	179601-23-1	
n-Butylbenzene	0.0034 U	mg/kg	0.0057	0.0034	1		06/24/17 11:09	104-51-8	
n-Propylbenzene	0.0030 U	mg/kg	0.0057	0.0030	1		06/24/17 11:09	103-65-1	
o-Xylene	0.0029 U	mg/kg	0.0057	0.0029	1		06/24/17 11:09	95-47-6	
p-Isopropyltoluene	0.0034 U	mg/kg	0.0057	0.0034	1		06/24/17 11:09	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 W25 (0-6") **Lab ID: 35319891001** Collected: 06/21/17 10:37 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0033 U	mg/kg	0.0057	0.0033	1		06/24/17 11:09	135-98-8	
tert-Butylbenzene	0.0033 U	mg/kg	0.0057	0.0033	1		06/24/17 11:09	98-06-6	
trans-1,2-Dichloroethene	0.0035 U	mg/kg	0.0057	0.0035	1		06/24/17 11:09	156-60-5	
trans-1,3-Dichloropropene	0.0028 U	mg/kg	0.0057	0.0028	1		06/24/17 11:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		06/24/17 11:09	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/24/17 11:09	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 11:09	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.8	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 W25 (6"-2') Lab ID: **35319891002** Collected: 06/21/17 10:39 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.0	mg/kg	0.47	0.24	1	06/26/17 17:00	06/27/17 07:57	7440-38-2	
Lead	38.1	mg/kg	0.47	0.24	1	06/26/17 17:00	06/27/17 07:57	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.019	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 19:25	7440-38-2	J(M1)
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 19:29	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:29	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:29	120-12-7	
Benzo(a)anthracene	0.016 I	mg/kg	0.035	0.010	1	06/26/17 09:10	06/26/17 19:29	56-55-3	
Benzo(a)pyrene	0.015 I	mg/kg	0.035	0.0041	1	06/26/17 09:10	06/26/17 19:29	50-32-8	
Benzo(b)fluoranthene	0.026 U	mg/kg	0.035	0.026	1	06/26/17 09:10	06/26/17 19:29	205-99-2	
Benzo(g,h,i)perylene	0.013 I	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 19:29	191-24-2	
Benzo(k)fluoranthene	0.024 I	mg/kg	0.035	0.0075	1	06/26/17 09:10	06/26/17 19:29	207-08-9	
Chrysene	0.030 I	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 19:29	218-01-9	
Dibenz(a,h)anthracene	0.017 U	mg/kg	0.035	0.017	1	06/26/17 09:10	06/26/17 19:29	53-70-3	
Fluoranthene	0.045	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:29	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/26/17 09:10	06/26/17 19:29	86-73-7	
Indeno(1,2,3-cd)pyrene	0.017 U	mg/kg	0.035	0.017	1	06/26/17 09:10	06/26/17 19:29	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 19:29	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/26/17 09:10	06/26/17 19:29	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:29	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 19:29	85-01-8	
Pyrene	0.036	mg/kg	0.035	0.017	1	06/26/17 09:10	06/26/17 19:29	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	16-123		1	06/26/17 09:10	06/26/17 19:29	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/26/17 09:10	06/26/17 19:29	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/26/17 09:10	06/26/17 19:29	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	630-20-6	
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	71-55-6	
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	79-00-5	
1,1-Dichloroethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	75-34-3	
1,1-Dichloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	75-35-4	
1,1-Dichloropropene	0.0022 U	mg/kg	0.0043	0.0022	1		06/24/17 11:32	563-58-6	
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	526-73-8	N2
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	120-82-1	
1,2,4-Trimethylbenzene	0.0024 U	mg/kg	0.0043	0.0024	1		06/24/17 11:32	95-63-6	
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 W25 (6"-2')** Lab ID: **35319891002** Collected: 06/21/17 10:39 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	107-06-2	
1,2-Dichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	78-87-5	
1,3,5-Trimethylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/24/17 11:32	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	541-73-1	
1,3-Dichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	142-28-9	
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0043	0.0022	1		06/24/17 11:32	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	108-10-1	
Acetone	0.063	mg/kg	0.017	0.0085	1		06/24/17 11:32	67-64-1	
Acetonitrile	0.021 U	mg/kg	0.043	0.021	1		06/24/17 11:32	75-05-8	
Benzene	0.0022 U	mg/kg	0.0043	0.0022	1		06/24/17 11:32	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	74-97-5	
Bromodichloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	75-25-2	
Bromomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	108-90-7	
Chloroethane	0.0031 U	mg/kg	0.0043	0.0031	1		06/24/17 11:32	75-00-3	
Chloroform	0.0025 U	mg/kg	0.0043	0.0025	1		06/24/17 11:32	67-66-3	
Chloromethane	0.0024 U	mg/kg	0.0043	0.0024	1		06/24/17 11:32	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	74-95-3	
Dichlorodifluoromethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	75-71-8	
Ethylbenzene	0.0024 U	mg/kg	0.0043	0.0024	1		06/24/17 11:32	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	74-88-4	
Isopropylbenzene (Cumene)	0.0025 U	mg/kg	0.0043	0.0025	1		06/24/17 11:32	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	75-09-2	
Styrene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	127-18-4	
Toluene	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0043	0.0024	1		06/24/17 11:32	79-01-6	
Trichlorofluoromethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	75-69-4	
Vinyl acetate	0.0022 U	mg/kg	0.0043	0.0022	1		06/24/17 11:32	108-05-4	
Vinyl chloride	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	75-01-4	
Xylene (Total)	0.0044 U	mg/kg	0.013	0.0044	1		06/24/17 11:32	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	156-59-2	
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	10061-01-5	
m&p-Xylene	0.0044 U	mg/kg	0.0085	0.0044	1		06/24/17 11:32	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 W25 (6"-2') **Lab ID: 35319891002** Collected: 06/21/17 10:39 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0026 U	mg/kg	0.0043	0.0026	1		06/24/17 11:32	104-51-8	
n-Propylbenzene	0.0023 U	mg/kg	0.0043	0.0023	1		06/24/17 11:32	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0043	0.0022	1		06/24/17 11:32	95-47-6	
p-Isopropyltoluene	0.0026 U	mg/kg	0.0043	0.0026	1		06/24/17 11:32	99-87-6	
sec-Butylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/24/17 11:32	135-98-8	
tert-Butylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/24/17 11:32	98-06-6	
trans-1,2-Dichloroethene	0.0026 U	mg/kg	0.0043	0.0026	1		06/24/17 11:32	156-60-5	
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0043	0.0021	1		06/24/17 11:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/24/17 11:32	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/24/17 11:32	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 11:32	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.6	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 (0-6")** Lab ID: **35319891003** Collected: 06/21/17 10:52 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.42 I	mg/kg	0.54	0.27	1	06/26/17 17:00	06/27/17 08:19	7440-38-2	
Lead	2.7 U	mg/kg	5.4	2.7	10	06/26/17 17:00	06/27/17 14:28	7439-92-1	D3
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 19:51	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:51	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:51	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.035	0.010	1	06/26/17 09:10	06/26/17 19:51	56-55-3	
Benzo(a)pyrene	0.0041 U	mg/kg	0.035	0.0041	1	06/26/17 09:10	06/26/17 19:51	50-32-8	
Benzo(b)fluoranthene	0.027 U	mg/kg	0.035	0.027	1	06/26/17 09:10	06/26/17 19:51	205-99-2	
Benzo(g,h,i)perylene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 19:51	191-24-2	
Benzo(k)fluoranthene	0.0076 U	mg/kg	0.035	0.0076	1	06/26/17 09:10	06/26/17 19:51	207-08-9	
Chrysene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 19:51	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.035	0.018	1	06/26/17 09:10	06/26/17 19:51	53-70-3	
Fluoranthene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 19:51	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/26/17 09:10	06/26/17 19:51	86-73-7	
Indeno(1,2,3-cd)pyrene	0.018 U	mg/kg	0.035	0.018	1	06/26/17 09:10	06/26/17 19:51	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 19:51	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/26/17 09:10	06/26/17 19:51	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 19:51	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 19:51	85-01-8	
Pyrene	0.018 U	mg/kg	0.035	0.018	1	06/26/17 09:10	06/26/17 19:51	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	16-123		1	06/26/17 09:10	06/26/17 19:51	4165-60-0	
2-Fluorobiphenyl (S)	65	%	32-129		1	06/26/17 09:10	06/26/17 19:51	321-60-8	
Terphenyl-d14 (S)	57	%	38-138		1	06/26/17 09:10	06/26/17 19:51	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	630-20-6	
1,1,1-Trichloroethane	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	79-34-5	
1,1,2-Trichloroethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	79-00-5	
1,1-Dichloroethane	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	75-34-3	
1,1-Dichloroethene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	75-35-4	
1,1-Dichloropropene	0.0023 U	mg/kg	0.0045	0.0023	1		06/24/17 11:56	563-58-6	
1,2,3-Trichlorobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	87-61-6	
1,2,3-Trichloropropane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	96-18-4	
1,2,3-Trimethylbenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	526-73-8	N2
1,2,4-Trichlorobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	120-82-1	
1,2,4-Trimethylbenzene	0.0025 U	mg/kg	0.0045	0.0025	1		06/24/17 11:56	95-63-6	
1,2-Dichlorobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	95-50-1	
1,2-Dichloroethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	107-06-2	
1,2-Dichloropropane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	78-87-5	
1,3,5-Trimethylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		06/24/17 11:56	108-67-8	
1,3-Dichlorobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 (0-6")** Lab ID: **35319891003** Collected: 06/21/17 10:52 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	142-28-9	
1,4-Dichlorobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	106-46-7	
2,2-Dichloropropane	0.0023 U	mg/kg	0.0045	0.0023	1		06/24/17 11:56	594-20-7	
2-Butanone (MEK)	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	78-93-3	
2-Chlorotoluene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	95-49-8	
2-Hexanone	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	591-78-6	
4-Chlorotoluene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	108-10-1	
Acetone	0.054	mg/kg	0.018	0.0089	1		06/24/17 11:56	67-64-1	
Acetonitrile	0.022 U	mg/kg	0.045	0.022	1		06/24/17 11:56	75-05-8	
Benzene	0.0023 U	mg/kg	0.0045	0.0023	1		06/24/17 11:56	71-43-2	
Bromobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	108-86-1	
Bromochloromethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	74-97-5	
Bromodichloromethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	75-27-4	
Bromoform	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	75-25-2	
Bromomethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	74-83-9	
Carbon disulfide	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	75-15-0	
Carbon tetrachloride	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	56-23-5	
Chlorobenzene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	108-90-7	
Chloroethane	0.0032 U	mg/kg	0.0045	0.0032	1		06/24/17 11:56	75-00-3	
Chloroform	0.0026 U	mg/kg	0.0045	0.0026	1		06/24/17 11:56	67-66-3	
Chloromethane	0.0025 U	mg/kg	0.0045	0.0025	1		06/24/17 11:56	74-87-3	
Dibromochloromethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	124-48-1	
Dibromomethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	74-95-3	
Dichlorodifluoromethane	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	75-71-8	
Ethylbenzene	0.0025 U	mg/kg	0.0045	0.0025	1		06/24/17 11:56	100-41-4	
Iodomethane	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	74-88-4	
Isopropylbenzene (Cumene)	0.0026 U	mg/kg	0.0045	0.0026	1		06/24/17 11:56	98-82-8	
Methyl-tert-butyl ether	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	1634-04-4	
Methylene Chloride	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	75-09-2	
Styrene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	100-42-5	
Tetrachloroethene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	127-18-4	
Toluene	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	108-88-3	
Trichloroethene	0.0025 U	mg/kg	0.0045	0.0025	1		06/24/17 11:56	79-01-6	
Trichlorofluoromethane	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	75-69-4	
Vinyl acetate	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	108-05-4	
Vinyl chloride	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	75-01-4	
Xylene (Total)	0.0046 U	mg/kg	0.013	0.0046	1		06/24/17 11:56	1330-20-7	
cis-1,2-Dichloroethene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	156-59-2	
cis-1,3-Dichloropropene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	10061-01-5	
m&p-Xylene	0.0046 U	mg/kg	0.0089	0.0046	1		06/24/17 11:56	179601-23-1	
n-Butylbenzene	0.0027 U	mg/kg	0.0045	0.0027	1		06/24/17 11:56	104-51-8	
n-Propylbenzene	0.0024 U	mg/kg	0.0045	0.0024	1		06/24/17 11:56	103-65-1	
o-Xylene	0.0023 U	mg/kg	0.0045	0.0023	1		06/24/17 11:56	95-47-6	
p-Isopropyltoluene	0.0027 U	mg/kg	0.0045	0.0027	1		06/24/17 11:56	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 (0-6") **Lab ID: 35319891003** Collected: 06/21/17 10:52 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		06/24/17 11:56	135-98-8	
tert-Butylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		06/24/17 11:56	98-06-6	
trans-1,2-Dichloroethene	0.0027 U	mg/kg	0.0045	0.0027	1		06/24/17 11:56	156-60-5	
trans-1,3-Dichloropropene	0.0022 U	mg/kg	0.0045	0.0022	1		06/24/17 11:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/24/17 11:56	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/24/17 11:56	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 11:56	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.8	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 (6"-2') **Lab ID: 35319891004** Collected: 06/21/17 10:54 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.7	mg/kg	0.52	0.26	1	06/26/17 17:00	06/27/17 08:23	7440-38-2	
Lead	50.4	mg/kg	0.52	0.26	1	06/26/17 17:00	06/27/17 08:23	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.020	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 19:45	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.012 U	mg/kg	0.034	0.012	1	06/26/17 09:10	06/26/17 20:14	83-32-9	
Acenaphthylene	0.010 U	mg/kg	0.034	0.010	1	06/26/17 09:10	06/26/17 20:14	208-96-8	
Anthracene	0.010 U	mg/kg	0.034	0.010	1	06/26/17 09:10	06/26/17 20:14	120-12-7	
Benzo(a)anthracene	0.0097 U	mg/kg	0.034	0.0097	1	06/26/17 09:10	06/26/17 20:14	56-55-3	
Benzo(a)pyrene	0.0089 I	mg/kg	0.034	0.0039	1	06/26/17 09:10	06/26/17 20:14	50-32-8	
Benzo(b)fluoranthene	0.025 U	mg/kg	0.034	0.025	1	06/26/17 09:10	06/26/17 20:14	205-99-2	
Benzo(g,h,i)perylene	0.012 U	mg/kg	0.034	0.012	1	06/26/17 09:10	06/26/17 20:14	191-24-2	
Benzo(k)fluoranthene	0.0073 U	mg/kg	0.034	0.0073	1	06/26/17 09:10	06/26/17 20:14	207-08-9	
Chrysene	0.012 U	mg/kg	0.034	0.012	1	06/26/17 09:10	06/26/17 20:14	218-01-9	
Dibenz(a,h)anthracene	0.017 U	mg/kg	0.034	0.017	1	06/26/17 09:10	06/26/17 20:14	53-70-3	
Fluoranthene	0.011 U	mg/kg	0.034	0.011	1	06/26/17 09:10	06/26/17 20:14	206-44-0	
Fluorene	0.015 U	mg/kg	0.034	0.015	1	06/26/17 09:10	06/26/17 20:14	86-73-7	
Indeno(1,2,3-cd)pyrene	0.017 U	mg/kg	0.034	0.017	1	06/26/17 09:10	06/26/17 20:14	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.034	0.012	1	06/26/17 09:10	06/26/17 20:14	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.034	0.014	1	06/26/17 09:10	06/26/17 20:14	91-57-6	
Naphthalene	0.011 U	mg/kg	0.034	0.011	1	06/26/17 09:10	06/26/17 20:14	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.034	0.013	1	06/26/17 09:10	06/26/17 20:14	85-01-8	
Pyrene	0.017 U	mg/kg	0.034	0.017	1	06/26/17 09:10	06/26/17 20:14	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	16-123		1	06/26/17 09:10	06/26/17 20:14	4165-60-0	
2-Fluorobiphenyl (S)	71	%	32-129		1	06/26/17 09:10	06/26/17 20:14	321-60-8	
Terphenyl-d14 (S)	79	%	38-138		1	06/26/17 09:10	06/26/17 20:14	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/24/17 12:19	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/24/17 12:19	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0047	0.0026	1		06/24/17 12:19	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 (6"-2')** Lab ID: **35319891004** Collected: 06/21/17 10:54 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/24/17 12:19	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	541-73-1	
1,3-Dichloropropane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0047	0.0025	1		06/24/17 12:19	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	108-10-1	
Acetone	0.089	mg/kg	0.019	0.0095	1		06/24/17 12:19	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.047	0.024	1		06/24/17 12:19	75-05-8	
Benzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	75-25-2	
Bromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0047	0.0034	1		06/24/17 12:19	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0047	0.0028	1		06/24/17 12:19	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/24/17 12:19	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0047	0.0025	1		06/24/17 12:19	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/24/17 12:19	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0047	0.0027	1		06/24/17 12:19	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	75-09-2	
Styrene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	127-18-4	
Toluene	0.0026 U	mg/kg	0.0047	0.0026	1		06/24/17 12:19	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0047	0.0027	1		06/24/17 12:19	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0047	0.0026	1		06/24/17 12:19	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0047	0.0025	1		06/24/17 12:19	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/24/17 12:19	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0095	0.0049	1		06/24/17 12:19	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 (6"-2') **Lab ID: 35319891004** Collected: 06/21/17 10:54 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0028 U	mg/kg	0.0047	0.0028	1		06/24/17 12:19	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0047	0.0025	1		06/24/17 12:19	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	95-47-6	
p-Isopropyltoluene	0.0028 U	mg/kg	0.0047	0.0028	1		06/24/17 12:19	99-87-6	
sec-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/24/17 12:19	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0047	0.0027	1		06/24/17 12:19	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0047	0.0029	1		06/24/17 12:19	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0047	0.0024	1		06/24/17 12:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/24/17 12:19	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/24/17 12:19	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/24/17 12:19	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	2.3	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 E25 (0-6")** Lab ID: **35319891005** Collected: 06/21/17 11:12 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.72	mg/kg	0.54	0.27	1	06/26/17 17:00	06/27/17 08:28	7440-38-2	
Lead	2.7 U	mg/kg	5.4	2.7	10	06/26/17 17:00	06/27/17 14:32	7439-92-1	D3
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 20:36	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 20:36	208-96-8	
Anthracene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 20:36	120-12-7	
Benzo(a)anthracene	0.010 U	mg/kg	0.035	0.010	1	06/26/17 09:10	06/26/17 20:36	56-55-3	
Benzo(a)pyrene	0.0041 U	mg/kg	0.035	0.0041	1	06/26/17 09:10	06/26/17 20:36	50-32-8	
Benzo(b)fluoranthene	0.026 U	mg/kg	0.035	0.026	1	06/26/17 09:10	06/26/17 20:36	205-99-2	
Benzo(g,h,i)perylene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 20:36	191-24-2	
Benzo(k)fluoranthene	0.0075 U	mg/kg	0.035	0.0075	1	06/26/17 09:10	06/26/17 20:36	207-08-9	
Chrysene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 20:36	218-01-9	
Dibenz(a,h)anthracene	0.017 U	mg/kg	0.035	0.017	1	06/26/17 09:10	06/26/17 20:36	53-70-3	
Fluoranthene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 20:36	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/26/17 09:10	06/26/17 20:36	86-73-7	
Indeno(1,2,3-cd)pyrene	0.017 U	mg/kg	0.035	0.017	1	06/26/17 09:10	06/26/17 20:36	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 09:10	06/26/17 20:36	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/26/17 09:10	06/26/17 20:36	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 09:10	06/26/17 20:36	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 09:10	06/26/17 20:36	85-01-8	
Pyrene	0.017 U	mg/kg	0.035	0.017	1	06/26/17 09:10	06/26/17 20:36	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	52	%	16-123		1	06/26/17 09:10	06/26/17 20:36	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	06/26/17 09:10	06/26/17 20:36	321-60-8	
Terphenyl-d14 (S)	76	%	38-138		1	06/26/17 09:10	06/26/17 20:36	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	630-20-6	J(M1)
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	71-55-6	J(M1)
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	79-00-5	J(M1)
1,1-Dichloroethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	75-34-3	J(M1)
1,1-Dichloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	75-35-4	J(M1)
1,1-Dichloropropene	0.0022 U	mg/kg	0.0043	0.0022	1		06/26/17 13:08	563-58-6	J(M1)
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	526-73-8	N2
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	120-82-1	
1,2,4-Trimethylbenzene	0.0024 U	mg/kg	0.0043	0.0024	1		06/26/17 13:08	95-63-6	
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	95-50-1	
1,2-Dichloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	107-06-2	J(M1)
1,2-Dichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	78-87-5	J(M1)
1,3,5-Trimethylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/26/17 13:08	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 E25 (0-6") **Lab ID: 35319891005** Collected: 06/21/17 11:12 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	142-28-9	J(M1)
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0043	0.0022	1		06/26/17 13:08	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	108-10-1	
Acetone	0.067	mg/kg	0.017	0.0085	1		06/26/17 13:08	67-64-1	J(M1)
Acetonitrile	0.021 U	mg/kg	0.043	0.021	1		06/26/17 13:08	75-05-8	
Benzene	0.0022 U	mg/kg	0.0043	0.0022	1		06/26/17 13:08	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	74-97-5	J(M1)
Bromodichloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	75-25-2	
Bromomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	108-90-7	J(M1)
Chloroethane	0.0031 U	mg/kg	0.0043	0.0031	1		06/26/17 13:08	75-00-3	J(M1)
Chloroform	0.0025 U	mg/kg	0.0043	0.0025	1		06/26/17 13:08	67-66-3	
Chloromethane	0.0024 U	mg/kg	0.0043	0.0024	1		06/26/17 13:08	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	74-95-3	
Dichlorodifluoromethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	75-71-8	J(M1)
Ethylbenzene	0.0024 U	mg/kg	0.0043	0.0024	1		06/26/17 13:08	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	74-88-4	
Isopropylbenzene (Cumene)	0.0025 U	mg/kg	0.0043	0.0025	1		06/26/17 13:08	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	75-09-2	
Styrene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	127-18-4	
Toluene	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0043	0.0024	1		06/26/17 13:08	79-01-6	J(M1)
Trichlorofluoromethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	75-69-4	J(M1)
Vinyl acetate	0.0022 U	mg/kg	0.0043	0.0022	1		06/26/17 13:08	108-05-4	
Vinyl chloride	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	75-01-4	J(M1)
Xylene (Total)	0.0044 U	mg/kg	0.013	0.0044	1		06/26/17 13:08	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	156-59-2	J(M1)
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	10061-01-5	
m&p-Xylene	0.0044 U	mg/kg	0.0085	0.0044	1		06/26/17 13:08	179601-23-1	
n-Butylbenzene	0.0026 U	mg/kg	0.0043	0.0026	1		06/26/17 13:08	104-51-8	
n-Propylbenzene	0.0023 U	mg/kg	0.0043	0.0023	1		06/26/17 13:08	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0043	0.0022	1		06/26/17 13:08	95-47-6	
p-Isopropyltoluene	0.0026 U	mg/kg	0.0043	0.0026	1		06/26/17 13:08	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 E25 (0-6") **Lab ID: 35319891005** Collected: 06/21/17 11:12 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/26/17 13:08	135-98-8	
tert-Butylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/26/17 13:08	98-06-6	
trans-1,2-Dichloroethene	0.0026 U	mg/kg	0.0043	0.0026	1		06/26/17 13:08	156-60-5	J(M1)
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0043	0.0021	1		06/26/17 13:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		06/26/17 13:08	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/26/17 13:08	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/26/17 13:08	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.9	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 E25 (6"-2') **Lab ID: 35319891006** Collected: 06/21/17 11:14 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.6	mg/kg	0.50	0.25	1	06/26/17 17:00	06/27/17 08:32	7440-38-2	
Lead	34.3	mg/kg	0.50	0.25	1	06/26/17 17:00	06/27/17 08:32	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.0050 U	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 19:50	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.037	0.014	1	06/26/17 09:10	06/26/17 20:59	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.037	0.012	1	06/26/17 09:10	06/26/17 20:59	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/26/17 09:10	06/26/17 20:59	120-12-7	
Benzo(a)anthracene	0.018 I	mg/kg	0.037	0.011	1	06/26/17 09:10	06/26/17 20:59	56-55-3	
Benzo(a)pyrene	0.038	mg/kg	0.037	0.0044	1	06/26/17 09:10	06/26/17 20:59	50-32-8	
Benzo(b)fluoranthene	0.071	mg/kg	0.037	0.028	1	06/26/17 09:10	06/26/17 20:59	205-99-2	
Benzo(g,h,i)perylene	0.023 I	mg/kg	0.037	0.013	1	06/26/17 09:10	06/26/17 20:59	191-24-2	
Benzo(k)fluoranthene	0.0081 U	mg/kg	0.037	0.0081	1	06/26/17 09:10	06/26/17 20:59	207-08-9	
Chrysene	0.038	mg/kg	0.037	0.013	1	06/26/17 09:10	06/26/17 20:59	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.037	0.019	1	06/26/17 09:10	06/26/17 20:59	53-70-3	
Fluoranthene	0.035 I	mg/kg	0.037	0.012	1	06/26/17 09:10	06/26/17 20:59	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/26/17 09:10	06/26/17 20:59	86-73-7	
Indeno(1,2,3-cd)pyrene	0.022 I	mg/kg	0.037	0.019	1	06/26/17 09:10	06/26/17 20:59	193-39-5	
1-Methylnaphthalene	0.017 I	mg/kg	0.037	0.013	1	06/26/17 09:10	06/26/17 20:59	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.037	0.015	1	06/26/17 09:10	06/26/17 20:59	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/26/17 09:10	06/26/17 20:59	91-20-3	
Phenanthrene	0.019 I	mg/kg	0.037	0.014	1	06/26/17 09:10	06/26/17 20:59	85-01-8	
Pyrene	0.045	mg/kg	0.037	0.019	1	06/26/17 09:10	06/26/17 20:59	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	16-123		1	06/26/17 09:10	06/26/17 20:59	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/26/17 09:10	06/26/17 20:59	321-60-8	
Terphenyl-d14 (S)	80	%	38-138		1	06/26/17 09:10	06/26/17 20:59	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 13:54	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 13:54	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 13:54	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 13:54	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-22 E25 (6"-2')** Lab ID: **35319891006** Collected: 06/21/17 11:14 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 13:54	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 13:54	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 13:54	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	108-10-1	
Acetone	0.070	mg/kg	0.021	0.011	1		06/26/17 13:54	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.053	0.026	1		06/26/17 13:54	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 13:54	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/26/17 13:54	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 13:54	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 13:54	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 13:54	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 13:54	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 13:54	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	75-09-2	
Styrene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	127-18-4	
Toluene	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 13:54	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 13:54	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 13:54	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 13:54	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 13:54	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/26/17 13:54	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.011	0.0054	1		06/26/17 13:54	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-22 E25 (6"-2') **Lab ID: 35319891006** Collected: 06/21/17 11:14 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 13:54	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 13:54	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 13:54	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 13:54	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 13:54	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 13:54	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 13:54	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 13:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	55-148		1		06/26/17 13:54	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/26/17 13:54	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/26/17 13:54	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.9	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-19 (0-6") **Lab ID: 35319891007** Collected: 06/21/17 11:57 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	36.2	mg/kg	4.4	2.8	1	06/26/17 12:40	06/26/17 18:32		
Surrogates									
o-Terphenyl (S)	106	%	62-109		1	06/26/17 12:40	06/26/17 18:32	84-15-1	
N-Pentatriacontane (S)	120	%	42-159		1	06/26/17 12:40	06/26/17 18:32	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.0	mg/kg	0.49	0.24	1	06/26/17 17:00	06/27/17 08:36	7440-38-2	
Barium	9.6	mg/kg	0.49	0.24	1	06/26/17 17:00	06/27/17 08:36	7440-39-3	
Cadmium	0.33	mg/kg	0.049	0.024	1	06/26/17 17:00	06/27/17 08:36	7440-43-9	
Chromium	11.2	mg/kg	0.24	0.12	1	06/26/17 17:00	06/27/17 08:36	7440-47-3	
Lead	18.0	mg/kg	0.49	0.24	1	06/26/17 17:00	06/27/17 08:36	7439-92-1	
Selenium	0.37 U	mg/kg	0.73	0.37	1	06/26/17 17:00	06/27/17 08:36	7782-49-2	
Silver	0.12 U	mg/kg	0.24	0.12	1	06/26/17 17:00	06/27/17 08:36	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.13	mg/kg	0.0086	0.0043	1	06/27/17 11:37	06/28/17 14:17	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 09:10	06/26/17 21:21	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/26/17 09:10	06/26/17 21:21	208-96-8	
Anthracene	0.011 U	mg/kg	0.036	0.011	1	06/26/17 09:10	06/26/17 21:21	120-12-7	
Benzo(a)anthracene	0.025 I	mg/kg	0.036	0.011	1	06/26/17 09:10	06/26/17 21:21	56-55-3	
Benzo(a)pyrene	0.043	mg/kg	0.036	0.0043	1	06/26/17 09:10	06/26/17 21:21	50-32-8	
Benzo(b)fluoranthene	0.045	mg/kg	0.036	0.027	1	06/26/17 09:10	06/26/17 21:21	205-99-2	
Benzo(g,h,i)perylene	0.030 I	mg/kg	0.036	0.013	1	06/26/17 09:10	06/26/17 21:21	191-24-2	
Benzo(k)fluoranthene	0.048	mg/kg	0.036	0.0079	1	06/26/17 09:10	06/26/17 21:21	207-08-9	
Chrysene	0.048	mg/kg	0.036	0.013	1	06/26/17 09:10	06/26/17 21:21	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/26/17 09:10	06/26/17 21:21	53-70-3	
Fluoranthene	0.058	mg/kg	0.036	0.012	1	06/26/17 09:10	06/26/17 21:21	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/26/17 09:10	06/26/17 21:21	86-73-7	
Indeno(1,2,3-cd)pyrene	0.024 I	mg/kg	0.036	0.018	1	06/26/17 09:10	06/26/17 21:21	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 09:10	06/26/17 21:21	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/26/17 09:10	06/26/17 21:21	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/26/17 09:10	06/26/17 21:21	91-20-3	
Phenanthrene	0.015 I	mg/kg	0.036	0.014	1	06/26/17 09:10	06/26/17 21:21	85-01-8	
Pyrene	0.056	mg/kg	0.036	0.018	1	06/26/17 09:10	06/26/17 21:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	16-123		1	06/26/17 09:10	06/26/17 21:21	4165-60-0	
2-Fluorobiphenyl (S)	54	%	32-129		1	06/26/17 09:10	06/26/17 21:21	321-60-8	
Terphenyl-d14 (S)	45	%	38-138		1	06/26/17 09:10	06/26/17 21:21	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
Benzene	0.0023 U	mg/kg	0.0045	0.0023	1		06/26/17 14:40	71-43-2	
Ethylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		06/26/17 14:40	100-41-4	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0045	0.0023	1		06/26/17 14:40	1634-04-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-19 (0-6") **Lab ID: 35319891007** Collected: 06/21/17 11:57 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0024 U	mg/kg	0.0045	0.0024	1		06/26/17 14:40	108-88-3	
Xylene (Total)	0.0047 U	mg/kg	0.014	0.0047	1		06/26/17 14:40	1330-20-7	
m&p-Xylene	0.0047 U	mg/kg	0.0091	0.0047	1		06/26/17 14:40	179601-23-1	
o-Xylene	0.0023 U	mg/kg	0.0045	0.0023	1		06/26/17 14:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/26/17 14:40	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/26/17 14:40	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/26/17 14:40	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.4	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-19 (6"-2') **Lab ID: 35319891008** Collected: 06/21/17 11:59 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave									
Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	3.5 I	mg/kg	4.4	2.8	1	06/26/17 12:40	06/27/17 10:51		
Surrogates									
o-Terphenyl (S)	92	%	62-109		1	06/26/17 12:40	06/27/17 10:51	84-15-1	
N-Pentatriacontane (S)	76	%	42-159		1	06/26/17 12:40	06/27/17 10:51	630-07-09	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.0	mg/kg	0.63	0.31	1	06/26/17 17:00	06/27/17 08:40	7440-38-2	
Barium	6.1	mg/kg	0.63	0.31	1	06/26/17 17:00	06/27/17 08:40	7440-39-3	
Cadmium	0.32	mg/kg	0.063	0.031	1	06/26/17 17:00	06/27/17 08:40	7440-43-9	
Chromium	12.3	mg/kg	0.31	0.16	1	06/26/17 17:00	06/27/17 08:40	7440-47-3	
Lead	16.1	mg/kg	0.63	0.31	1	06/26/17 17:00	06/27/17 08:40	7439-92-1	
Selenium	0.47 U	mg/kg	0.94	0.47	1	06/26/17 17:00	06/27/17 08:40	7782-49-2	
Silver	0.16 U	mg/kg	0.31	0.16	1	06/26/17 17:00	06/27/17 08:40	7440-22-4	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/20/17 17:44									
Arsenic	0.0055 I	mg/L	0.010	0.0050	1	07/21/17 11:16	07/22/17 10:13	7440-38-2	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.017	mg/kg	0.0096	0.0048	1	06/27/17 11:37	06/28/17 14:19	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.037	0.013	1	06/26/17 09:10	06/29/17 23:40	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.037	0.011	1	06/26/17 09:10	06/29/17 23:40	208-96-8	
Anthracene	0.011 U	mg/kg	0.037	0.011	1	06/26/17 09:10	06/29/17 23:40	120-12-7	
Benzo(a)anthracene	0.089	mg/kg	0.037	0.011	1	06/26/17 09:10	06/29/17 23:40	56-55-3	
Benzo(a)pyrene	0.10	mg/kg	0.037	0.0043	1	06/26/17 09:10	06/29/17 23:40	50-32-8	
Benzo(b)fluoranthene	0.15	mg/kg	0.037	0.028	1	06/26/17 09:10	06/29/17 23:40	205-99-2	
Benzo(g,h,i)perylene	0.097	mg/kg	0.037	0.013	1	06/26/17 09:10	06/29/17 23:40	191-24-2	
Benzo(k)fluoranthene	0.073	mg/kg	0.037	0.0079	1	06/26/17 09:10	06/29/17 23:40	207-08-9	
Chrysene	0.11	mg/kg	0.037	0.013	1	06/26/17 09:10	06/29/17 23:40	218-01-9	
Dibenz(a,h)anthracene	0.048	mg/kg	0.037	0.018	1	06/26/17 09:10	06/29/17 23:40	53-70-3	
Fluoranthene	0.085	mg/kg	0.037	0.012	1	06/26/17 09:10	06/29/17 23:40	206-44-0	
Fluorene	0.017 U	mg/kg	0.037	0.017	1	06/26/17 09:10	06/29/17 23:40	86-73-7	
Indeno(1,2,3-cd)pyrene	0.080	mg/kg	0.037	0.018	1	06/26/17 09:10	06/29/17 23:40	193-39-5	
1-Methylnaphthalene	0.036 I	mg/kg	0.037	0.013	1	06/26/17 09:10	06/29/17 23:40	90-12-0	
2-Methylnaphthalene	0.039	mg/kg	0.037	0.015	1	06/26/17 09:10	06/29/17 23:40	91-57-6	
Naphthalene	0.034 I	mg/kg	0.037	0.012	1	06/26/17 09:10	06/29/17 23:40	91-20-3	
Phenanthrene	0.022 I	mg/kg	0.037	0.014	1	06/26/17 09:10	06/29/17 23:40	85-01-8	
Pyrene	0.087	mg/kg	0.037	0.018	1	06/26/17 09:10	06/29/17 23:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	16-123		1	06/26/17 09:10	06/29/17 23:40	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/26/17 09:10	06/29/17 23:40	321-60-8	
Terphenyl-d14 (S)	64	%	38-138		1	06/26/17 09:10	06/29/17 23:40	1718-51-0	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-19 (6"-2') **Lab ID: 35319891008** Collected: 06/21/17 11:59 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Benzene	0.0023 U	mg/kg	0.0044	0.0023	1		06/26/17 15:03	71-43-2	
Ethylbenzene	0.0025 U	mg/kg	0.0044	0.0025	1		06/26/17 15:03	100-41-4	
Methyl-tert-butyl ether	0.0022 U	mg/kg	0.0044	0.0022	1		06/26/17 15:03	1634-04-4	
Toluene	0.0024 U	mg/kg	0.0044	0.0024	1		06/26/17 15:03	108-88-3	
Xylene (Total)	0.0045 U	mg/kg	0.013	0.0045	1		06/26/17 15:03	1330-20-7	
m&p-Xylene	0.0045 U	mg/kg	0.0088	0.0045	1		06/26/17 15:03	179601-23-1	
o-Xylene	0.0023 U	mg/kg	0.0044	0.0023	1		06/26/17 15:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/26/17 15:03	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/26/17 15:03	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/26/17 15:03	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.0	%	0.10	0.10	1		06/29/17 14:29		J(D6)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-21 (0-6") **Lab ID: 35319891009** Collected: 06/21/17 12:20 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	12.6	mg/kg	4.5	2.8	1	06/26/17 12:40	06/26/17 18:56		
Surrogates									
o-Terphenyl (S)	112	%	62-109		1	06/26/17 12:40	06/26/17 18:56	84-15-1	J(S5)
N-Pentatriacontane (S)	106	%	42-159		1	06/26/17 12:40	06/26/17 18:56	630-07-09	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.1	mg/kg	0.48	0.24	1	06/26/17 17:00	06/27/17 08:45	7440-38-2	
Barium	12.0	mg/kg	0.48	0.24	1	06/26/17 17:00	06/27/17 08:45	7440-39-3	
Cadmium	0.21	mg/kg	0.048	0.024	1	06/26/17 17:00	06/27/17 08:45	7440-43-9	
Chromium	6.6	mg/kg	0.24	0.12	1	06/26/17 17:00	06/27/17 08:45	7440-47-3	
Lead	12.6	mg/kg	0.48	0.24	1	06/26/17 17:00	06/27/17 08:45	7439-92-1	
Selenium	0.36 U	mg/kg	0.72	0.36	1	06/26/17 17:00	06/27/17 08:45	7782-49-2	
Silver	0.12 U	mg/kg	0.24	0.12	1	06/26/17 17:00	06/27/17 08:45	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.018	mg/kg	0.0097	0.0049	1	06/27/17 11:37	06/28/17 14:21	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 00:02	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/26/17 09:10	06/30/17 00:02	208-96-8	
Anthracene	0.011 U	mg/kg	0.036	0.011	1	06/26/17 09:10	06/30/17 00:02	120-12-7	
Benzo(a)anthracene	0.029 I	mg/kg	0.036	0.011	1	06/26/17 09:10	06/30/17 00:02	56-55-3	
Benzo(a)pyrene	0.040	mg/kg	0.036	0.0043	1	06/26/17 09:10	06/30/17 00:02	50-32-8	
Benzo(b)fluoranthene	0.072	mg/kg	0.036	0.028	1	06/26/17 09:10	06/30/17 00:02	205-99-2	
Benzo(g,h,i)perylene	0.060	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 00:02	191-24-2	
Benzo(k)fluoranthene	0.033 I	mg/kg	0.036	0.0079	1	06/26/17 09:10	06/30/17 00:02	207-08-9	
Chrysene	0.052	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 00:02	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/26/17 09:10	06/30/17 00:02	53-70-3	
Fluoranthene	0.073	mg/kg	0.036	0.012	1	06/26/17 09:10	06/30/17 00:02	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/26/17 09:10	06/30/17 00:02	86-73-7	
Indeno(1,2,3-cd)pyrene	0.041	mg/kg	0.036	0.018	1	06/26/17 09:10	06/30/17 00:02	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 00:02	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/26/17 09:10	06/30/17 00:02	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/26/17 09:10	06/30/17 00:02	91-20-3	
Phenanthrene	0.023 I	mg/kg	0.036	0.014	1	06/26/17 09:10	06/30/17 00:02	85-01-8	
Pyrene	0.059	mg/kg	0.036	0.018	1	06/26/17 09:10	06/30/17 00:02	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	55	%	16-123		1	06/26/17 09:10	06/30/17 00:02	4165-60-0	
2-Fluorobiphenyl (S)	58	%	32-129		1	06/26/17 09:10	06/30/17 00:02	321-60-8	
Terphenyl-d14 (S)	65	%	38-138		1	06/26/17 09:10	06/30/17 00:02	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
Benzene	0.0024 U	mg/kg	0.0046	0.0024	1		06/26/17 15:26	71-43-2	
Ethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/26/17 15:26	100-41-4	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0046	0.0023	1		06/26/17 15:26	1634-04-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-21 (0-6") **Lab ID: 35319891009** Collected: 06/21/17 12:20 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0025 U	mg/kg	0.0046	0.0025	1		06/26/17 15:26	108-88-3	
Xylene (Total)	0.0047 U	mg/kg	0.014	0.0047	1		06/26/17 15:26	1330-20-7	
m&p-Xylene	0.0047 U	mg/kg	0.0092	0.0047	1		06/26/17 15:26	179601-23-1	
o-Xylene	0.0024 U	mg/kg	0.0046	0.0024	1		06/26/17 15:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/26/17 15:26	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/26/17 15:26	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/26/17 15:26	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.0	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-21 (6"-2') **Lab ID: 35319891010** Collected: 06/21/17 12:22 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Soil Microwave Analytical Method: FL-PRO Preparation Method: EPA 3546									
Petroleum Range Organics	16.1	mg/kg	9.5	6.0	1	06/26/17 12:40	06/27/17 10:51		
Surrogates									
o-Terphenyl (S)	107	%	62-109		1	06/26/17 12:40	06/27/17 10:51	84-15-1	
N-Pentatriacontane (S)	113	%	42-159		1	06/26/17 12:40	06/27/17 10:51	630-07-09	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.9	mg/kg	0.70	0.35	1	06/26/17 17:00	06/27/17 08:49	7440-38-2	
Barium	9.6	mg/kg	0.70	0.35	1	06/26/17 17:00	06/27/17 08:49	7440-39-3	
Cadmium	0.19	mg/kg	0.070	0.035	1	06/26/17 17:00	06/27/17 08:49	7440-43-9	
Chromium	8.0	mg/kg	0.35	0.18	1	06/26/17 17:00	06/27/17 08:49	7440-47-3	
Lead	48.9	mg/kg	0.70	0.35	1	06/26/17 17:00	06/27/17 08:49	7439-92-1	
Selenium	0.53 U	mg/kg	1.1	0.53	1	06/26/17 17:00	06/27/17 08:49	7782-49-2	
Silver	0.18 U	mg/kg	0.35	0.18	1	06/26/17 17:00	06/27/17 08:49	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.027	mg/kg	0.011	0.0055	1	06/27/17 11:37	06/28/17 14:23	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 00:25	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 09:10	06/30/17 00:25	208-96-8	
Anthracene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 09:10	06/30/17 00:25	120-12-7	
Benzo(a)anthracene	0.035 I	mg/kg	0.038	0.011	1	06/26/17 09:10	06/30/17 00:25	56-55-3	
Benzo(a)pyrene	0.040	mg/kg	0.038	0.0045	1	06/26/17 09:10	06/30/17 00:25	50-32-8	
Benzo(b)fluoranthene	0.054	mg/kg	0.038	0.029	1	06/26/17 09:10	06/30/17 00:25	205-99-2	
Benzo(g,h,i)perylene	0.036 I	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 00:25	191-24-2	
Benzo(k)fluoranthene	0.036 I	mg/kg	0.038	0.0083	1	06/26/17 09:10	06/30/17 00:25	207-08-9	
Chrysene	0.048	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 00:25	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.038	0.019	1	06/26/17 09:10	06/30/17 00:25	53-70-3	
Fluoranthene	0.066	mg/kg	0.038	0.013	1	06/26/17 09:10	06/30/17 00:25	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/26/17 09:10	06/30/17 00:25	86-73-7	
Indeno(1,2,3-cd)pyrene	0.029 I	mg/kg	0.038	0.019	1	06/26/17 09:10	06/30/17 00:25	193-39-5	
1-Methylnaphthalene	0.017 I	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 00:25	90-12-0	
2-Methylnaphthalene	0.020 I	mg/kg	0.038	0.016	1	06/26/17 09:10	06/30/17 00:25	91-57-6	
Naphthalene	0.019 I	mg/kg	0.038	0.012	1	06/26/17 09:10	06/30/17 00:25	91-20-3	
Phenanthrene	0.017 I	mg/kg	0.038	0.015	1	06/26/17 09:10	06/30/17 00:25	85-01-8	
Pyrene	0.060	mg/kg	0.038	0.019	1	06/26/17 09:10	06/30/17 00:25	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	16-123		1	06/26/17 09:10	06/30/17 00:25	4165-60-0	
2-Fluorobiphenyl (S)	67	%	32-129		1	06/26/17 09:10	06/30/17 00:25	321-60-8	
Terphenyl-d14 (S)	58	%	38-138		1	06/26/17 09:10	06/30/17 00:25	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 15:50	71-43-2	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 15:50	100-41-4	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0053	0.0026	1		06/26/17 15:50	1634-04-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-21 (6"-2') **Lab ID: 35319891010** Collected: 06/21/17 12:22 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Toluene	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 15:50	108-88-3	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/26/17 15:50	1330-20-7	
m&p-Xylene	0.0054 U	mg/kg	0.011	0.0054	1		06/26/17 15:50	179601-23-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 15:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/26/17 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/26/17 15:50	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/26/17 15:50	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.5	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 E25 (0-6") **Lab ID: 35319891011** Collected: 06/21/17 14:07 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.1	mg/kg	0.55	0.28	1	06/26/17 17:00	06/27/17 10:24	7440-38-2	
Lead	1960	mg/kg	55.1	27.5	100	06/26/17 17:00	06/27/17 19:20	7439-92-1	
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 07/10/17 16:16									
Arsenic	0.10 U	mg/L	0.20	0.10	1	07/12/17 04:12	07/12/17 18:10	7440-38-2	
Lead	0.48	mg/L	0.10	0.050	1	07/12/17 04:12	07/12/17 18:10	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.015 U	mg/kg	0.041	0.015	1	06/26/17 09:10	06/30/17 00:47	83-32-9	
Acenaphthylene	0.015 I	mg/kg	0.041	0.013	1	06/26/17 09:10	06/30/17 00:47	208-96-8	
Anthracene	0.031 I	mg/kg	0.041	0.013	1	06/26/17 09:10	06/30/17 00:47	120-12-7	
Benzo(a)anthracene	0.27	mg/kg	0.041	0.012	1	06/26/17 09:10	06/30/17 00:47	56-55-3	
Benzo(a)pyrene	0.36	mg/kg	0.041	0.0048	1	06/26/17 09:10	06/30/17 00:47	50-32-8	
Benzo(b)fluoranthene	0.50	mg/kg	0.041	0.031	1	06/26/17 09:10	06/30/17 00:47	205-99-2	
Benzo(g,h,i)perylene	0.32	mg/kg	0.041	0.015	1	06/26/17 09:10	06/30/17 00:47	191-24-2	
Benzo(k)fluoranthene	0.25	mg/kg	0.041	0.0089	1	06/26/17 09:10	06/30/17 00:47	207-08-9	
Chrysene	0.38	mg/kg	0.041	0.015	1	06/26/17 09:10	06/30/17 00:47	218-01-9	
Dibenz(a,h)anthracene	0.11	mg/kg	0.041	0.021	1	06/26/17 09:10	06/30/17 00:47	53-70-3	
Fluoranthene	0.59	mg/kg	0.041	0.013	1	06/26/17 09:10	06/30/17 00:47	206-44-0	
Fluorene	0.018 U	mg/kg	0.041	0.018	1	06/26/17 09:10	06/30/17 00:47	86-73-7	
Indeno(1,2,3-cd)pyrene	0.27	mg/kg	0.041	0.021	1	06/26/17 09:10	06/30/17 00:47	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.041	0.014	1	06/26/17 09:10	06/30/17 00:47	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.041	0.017	1	06/26/17 09:10	06/30/17 00:47	91-57-6	
Naphthalene	0.013 U	mg/kg	0.041	0.013	1	06/26/17 09:10	06/30/17 00:47	91-20-3	
Phenanthrene	0.14	mg/kg	0.041	0.015	1	06/26/17 09:10	06/30/17 00:47	85-01-8	
Pyrene	0.47	mg/kg	0.041	0.021	1	06/26/17 09:10	06/30/17 00:47	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	59	%	16-123		1	06/26/17 09:10	06/30/17 00:47	4165-60-0	
2-Fluorobiphenyl (S)	57	%	32-129		1	06/26/17 09:10	06/30/17 00:47	321-60-8	
Terphenyl-d14 (S)	46	%	38-138		1	06/26/17 09:10	06/30/17 00:47	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 16:13	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 16:13	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 16:13	95-63-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 E25 (0-6") **Lab ID: 35319891011** Collected: 06/21/17 14:07 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 16:13	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 16:13	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	108-10-1	
Acetone	0.27	mg/kg	0.021	0.010	1		06/26/17 16:13	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/26/17 16:13	75-05-8	
Benzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/26/17 16:13	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 16:13	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 16:13	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 16:13	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 16:13	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 16:13	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 16:13	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 16:13	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 16:13	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 16:13	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.015	0.0053	1		06/26/17 16:13	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	10061-01-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 E25 (0-6") **Lab ID: 35319891011** Collected: 06/21/17 14:07 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/26/17 16:13	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 16:13	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 16:13	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 16:13	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 16:13	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 16:13	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 16:13	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 16:13	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 16:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/26/17 16:13	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/26/17 16:13	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/26/17 16:13	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.7	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 E25 (6"-2') **Lab ID: 35319891012** Collected: 06/21/17 14:09 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.9	mg/kg	0.77	0.39	1	06/26/17 17:00	06/27/17 10:28	7440-38-2	
Lead	84.7	mg/kg	0.77	0.39	1	06/26/17 17:00	06/27/17 10:28	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.0084 I	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 19:55	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.016 U	mg/kg	0.043	0.016	1	06/26/17 09:10	06/30/17 01:09	83-32-9	
Acenaphthylene	0.013 U	mg/kg	0.043	0.013	1	06/26/17 09:10	06/30/17 01:09	208-96-8	
Anthracene	0.013 U	mg/kg	0.043	0.013	1	06/26/17 09:10	06/30/17 01:09	120-12-7	
Benzo(a)anthracene	0.017 I	mg/kg	0.043	0.012	1	06/26/17 09:10	06/30/17 01:09	56-55-3	
Benzo(a)pyrene	0.019 I	mg/kg	0.043	0.0050	1	06/26/17 09:10	06/30/17 01:09	50-32-8	
Benzo(b)fluoranthene	0.037 I	mg/kg	0.043	0.032	1	06/26/17 09:10	06/30/17 01:09	205-99-2	
Benzo(g,h,i)perylene	0.017 I	mg/kg	0.043	0.015	1	06/26/17 09:10	06/30/17 01:09	191-24-2	
Benzo(k)fluoranthene	0.018 I	mg/kg	0.043	0.0093	1	06/26/17 09:10	06/30/17 01:09	207-08-9	
Chrysene	0.026 I	mg/kg	0.043	0.015	1	06/26/17 09:10	06/30/17 01:09	218-01-9	
Dibenz(a,h)anthracene	0.022 U	mg/kg	0.043	0.022	1	06/26/17 09:10	06/30/17 01:09	53-70-3	
Fluoranthene	0.021 I	mg/kg	0.043	0.014	1	06/26/17 09:10	06/30/17 01:09	206-44-0	
Fluorene	0.019 U	mg/kg	0.043	0.019	1	06/26/17 09:10	06/30/17 01:09	86-73-7	
Indeno(1,2,3-cd)pyrene	0.022 U	mg/kg	0.043	0.022	1	06/26/17 09:10	06/30/17 01:09	193-39-5	
1-Methylnaphthalene	0.015 U	mg/kg	0.043	0.015	1	06/26/17 09:10	06/30/17 01:09	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.043	0.017	1	06/26/17 09:10	06/30/17 01:09	91-57-6	
Naphthalene	0.014 U	mg/kg	0.043	0.014	1	06/26/17 09:10	06/30/17 01:09	91-20-3	
Phenanthrene	0.016 U	mg/kg	0.043	0.016	1	06/26/17 09:10	06/30/17 01:09	85-01-8	
Pyrene	0.022 U	mg/kg	0.043	0.022	1	06/26/17 09:10	06/30/17 01:09	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	67	%	16-123		1	06/26/17 09:10	06/30/17 01:09	4165-60-0	
2-Fluorobiphenyl (S)	64	%	32-129		1	06/26/17 09:10	06/30/17 01:09	321-60-8	
Terphenyl-d14 (S)	53	%	38-138		1	06/26/17 09:10	06/30/17 01:09	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	630-20-6	
1,1,1-Trichloroethane	0.0032 U	mg/kg	0.0059	0.0032	1		06/26/17 16:36	71-55-6	
1,1,2,2-Tetrachloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	79-34-5	
1,1,2-Trichloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	79-00-5	
1,1-Dichloroethane	0.0032 U	mg/kg	0.0059	0.0032	1		06/26/17 16:36	75-34-3	
1,1-Dichloroethene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	75-35-4	
1,1-Dichloropropene	0.0030 U	mg/kg	0.0059	0.0030	1		06/26/17 16:36	563-58-6	
1,2,3-Trichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	87-61-6	
1,2,3-Trichloropropane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	96-18-4	
1,2,3-Trimethylbenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	526-73-8	N2
1,2,4-Trichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	120-82-1	
1,2,4-Trimethylbenzene	0.0033 U	mg/kg	0.0059	0.0033	1		06/26/17 16:36	95-63-6	
1,2-Dichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 E25 (6"-2') **Lab ID: 35319891012** Collected: 06/21/17 14:09 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	107-06-2	
1,2-Dichloropropane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	78-87-5	
1,3,5-Trimethylbenzene	0.0034 U	mg/kg	0.0059	0.0034	1		06/26/17 16:36	108-67-8	
1,3-Dichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	541-73-1	
1,3-Dichloropropane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	142-28-9	
1,4-Dichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	106-46-7	
2,2-Dichloropropane	0.0030 U	mg/kg	0.0059	0.0030	1		06/26/17 16:36	594-20-7	
2-Butanone (MEK)	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	78-93-3	
2-Chlorotoluene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	95-49-8	
2-Hexanone	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	591-78-6	
4-Chlorotoluene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	108-10-1	
Acetone	0.39	mg/kg	0.023	0.012	1		06/26/17 16:36	67-64-1	
Acetonitrile	0.029 U	mg/kg	0.059	0.029	1		06/26/17 16:36	75-05-8	
Benzene	0.0030 U	mg/kg	0.0059	0.0030	1		06/26/17 16:36	71-43-2	
Bromobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	108-86-1	
Bromochloromethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	74-97-5	
Bromodichloromethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	75-27-4	
Bromoform	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	75-25-2	
Bromomethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	74-83-9	
Carbon disulfide	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	75-15-0	
Carbon tetrachloride	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	56-23-5	
Chlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	108-90-7	
Chloroethane	0.0042 U	mg/kg	0.0059	0.0042	1		06/26/17 16:36	75-00-3	
Chloroform	0.0035 U	mg/kg	0.0059	0.0035	1		06/26/17 16:36	67-66-3	
Chloromethane	0.0033 U	mg/kg	0.0059	0.0033	1		06/26/17 16:36	74-87-3	
Dibromochloromethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	124-48-1	
Dibromomethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	74-95-3	
Dichlorodifluoromethane	0.0031 U	mg/kg	0.0059	0.0031	1		06/26/17 16:36	75-71-8	
Ethylbenzene	0.0033 U	mg/kg	0.0059	0.0033	1		06/26/17 16:36	100-41-4	
Iodomethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	74-88-4	
Isopropylbenzene (Cumene)	0.0034 U	mg/kg	0.0059	0.0034	1		06/26/17 16:36	98-82-8	
Methyl-tert-butyl ether	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	1634-04-4	
Methylene Chloride	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	75-09-2	
Styrene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	100-42-5	
Tetrachloroethene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	127-18-4	
Toluene	0.0032 U	mg/kg	0.0059	0.0032	1		06/26/17 16:36	108-88-3	
Trichloroethene	0.0033 U	mg/kg	0.0059	0.0033	1		06/26/17 16:36	79-01-6	
Trichlorofluoromethane	0.0032 U	mg/kg	0.0059	0.0032	1		06/26/17 16:36	75-69-4	
Vinyl acetate	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	108-05-4	
Vinyl chloride	0.0031 U	mg/kg	0.0059	0.0031	1		06/26/17 16:36	75-01-4	
Xylene (Total)	0.0060 U	mg/kg	0.018	0.0060	1		06/26/17 16:36	1330-20-7	
cis-1,2-Dichloroethene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	156-59-2	
cis-1,3-Dichloropropene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	10061-01-5	
m&p-Xylene	0.0060 U	mg/kg	0.012	0.0060	1		06/26/17 16:36	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 E25 (6"-2') **Lab ID: 35319891012** Collected: 06/21/17 14:09 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0035 U	mg/kg	0.0059	0.0035	1		06/26/17 16:36	104-51-8	
n-Propylbenzene	0.0031 U	mg/kg	0.0059	0.0031	1		06/26/17 16:36	103-65-1	
o-Xylene	0.0030 U	mg/kg	0.0059	0.0030	1		06/26/17 16:36	95-47-6	
p-Isopropyltoluene	0.0035 U	mg/kg	0.0059	0.0035	1		06/26/17 16:36	99-87-6	
sec-Butylbenzene	0.0034 U	mg/kg	0.0059	0.0034	1		06/26/17 16:36	135-98-8	
tert-Butylbenzene	0.0034 U	mg/kg	0.0059	0.0034	1		06/26/17 16:36	98-06-6	
trans-1,2-Dichloroethene	0.0036 U	mg/kg	0.0059	0.0036	1		06/26/17 16:36	156-60-5	
trans-1,3-Dichloropropene	0.0029 U	mg/kg	0.0059	0.0029	1		06/26/17 16:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/26/17 16:36	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		06/26/17 16:36	17060-07-0	
Toluene-d8 (S)	99	%	84-117		1		06/26/17 16:36	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	23.3	%	0.10	0.10	1		06/29/17 14:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 W25 (0-6") **Lab ID: 35319891013** Collected: 06/21/17 14:17 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.3	mg/kg	0.57	0.29	1	06/26/17 17:00	06/27/17 11:22	7440-38-2	
Lead	16.4	mg/kg	0.57	0.29	1	06/26/17 17:00	06/27/17 11:22	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 01:32	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 09:10	06/30/17 01:32	208-96-8	
Anthracene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 09:10	06/30/17 01:32	120-12-7	
Benzo(a)anthracene	0.011 U	mg/kg	0.038	0.011	1	06/26/17 09:10	06/30/17 01:32	56-55-3	
Benzo(a)pyrene	0.012 I	mg/kg	0.038	0.0045	1	06/26/17 09:10	06/30/17 01:32	50-32-8	
Benzo(b)fluoranthene	0.029 U	mg/kg	0.038	0.029	1	06/26/17 09:10	06/30/17 01:32	205-99-2	
Benzo(g,h,i)perylene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 01:32	191-24-2	
Benzo(k)fluoranthene	0.0092 I	mg/kg	0.038	0.0083	1	06/26/17 09:10	06/30/17 01:32	207-08-9	
Chrysene	0.015 I	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 01:32	218-01-9	
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.038	0.019	1	06/26/17 09:10	06/30/17 01:32	53-70-3	
Fluoranthene	0.025 I	mg/kg	0.038	0.013	1	06/26/17 09:10	06/30/17 01:32	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/26/17 09:10	06/30/17 01:32	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019 U	mg/kg	0.038	0.019	1	06/26/17 09:10	06/30/17 01:32	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 01:32	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.038	0.016	1	06/26/17 09:10	06/30/17 01:32	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 09:10	06/30/17 01:32	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 09:10	06/30/17 01:32	85-01-8	
Pyrene	0.023 I	mg/kg	0.038	0.019	1	06/26/17 09:10	06/30/17 01:32	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	16-123		1	06/26/17 09:10	06/30/17 01:32	4165-60-0	
2-Fluorobiphenyl (S)	68	%	32-129		1	06/26/17 09:10	06/30/17 01:32	321-60-8	
Terphenyl-d14 (S)	53	%	38-138		1	06/26/17 09:10	06/30/17 01:32	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	630-20-6	
1,1,1-Trichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/26/17 16:58	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	79-00-5	
1,1-Dichloroethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/26/17 16:58	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0050	0.0026	1		06/26/17 16:58	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/26/17 16:58	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	95-50-1	
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/26/17 16:58	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-23 W25 (0-6")** Lab ID: **35319891013** Collected: 06/21/17 14:17 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/26/17 16:58	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	108-10-1	
Acetone	0.13	mg/kg	0.020	0.010	1		06/26/17 16:58	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/26/17 16:58	75-05-8	
Benzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/26/17 16:58	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/26/17 16:58	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0050	0.0030	1		06/26/17 16:58	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/26/17 16:58	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/26/17 16:58	75-71-8	
Ethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/26/17 16:58	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/26/17 16:58	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/26/17 16:58	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/26/17 16:58	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/26/17 16:58	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/26/17 16:58	75-01-4	
Xylene (Total)	0.0051 U	mg/kg	0.015	0.0051	1		06/26/17 16:58	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	10061-01-5	
m&p-Xylene	0.0051 U	mg/kg	0.010	0.0051	1		06/26/17 16:58	179601-23-1	
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/26/17 16:58	104-51-8	
n-Propylbenzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/26/17 16:58	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/26/17 16:58	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/26/17 16:58	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 W25 (0-6") **Lab ID: 35319891013** Collected: 06/21/17 14:17 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/26/17 16:58	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/26/17 16:58	98-06-6	
trans-1,2-Dichloroethene	0.0030 U	mg/kg	0.0050	0.0030	1		06/26/17 16:58	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/26/17 16:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/26/17 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/26/17 16:58	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/26/17 16:58	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.0	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Sample: **SB-23 W25 (6"-2')** Lab ID: **35319891014** Collected: 06/21/17 14:19 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	88.3	mg/kg	0.67	0.33	1	06/26/17 17:00	06/27/17 11:27	7440-38-2	
Lead	6.6	mg/kg	0.67	0.33	1	06/26/17 17:00	06/27/17 11:27	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.56	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:10	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 01:54	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/26/17 09:10	06/30/17 01:54	208-96-8	
Anthracene	0.018 I	mg/kg	0.036	0.011	1	06/26/17 09:10	06/30/17 01:54	120-12-7	
Benzo(a)anthracene	0.053	mg/kg	0.036	0.010	1	06/26/17 09:10	06/30/17 01:54	56-55-3	
Benzo(a)pyrene	0.046	mg/kg	0.036	0.0042	1	06/26/17 09:10	06/30/17 01:54	50-32-8	
Benzo(b)fluoranthene	0.087	mg/kg	0.036	0.027	1	06/26/17 09:10	06/30/17 01:54	205-99-2	
Benzo(g,h,i)perylene	0.035 I	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 01:54	191-24-2	
Benzo(k)fluoranthene	0.0078 U	mg/kg	0.036	0.0078	1	06/26/17 09:10	06/30/17 01:54	207-08-9	
Chrysene	0.049	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 01:54	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/26/17 09:10	06/30/17 01:54	53-70-3	
Fluoranthene	0.11	mg/kg	0.036	0.012	1	06/26/17 09:10	06/30/17 01:54	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/26/17 09:10	06/30/17 01:54	86-73-7	
Indeno(1,2,3-cd)pyrene	0.030 I	mg/kg	0.036	0.018	1	06/26/17 09:10	06/30/17 01:54	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 09:10	06/30/17 01:54	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/26/17 09:10	06/30/17 01:54	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/26/17 09:10	06/30/17 01:54	91-20-3	
Phenanthrene	0.076	mg/kg	0.036	0.014	1	06/26/17 09:10	06/30/17 01:54	85-01-8	
Pyrene	0.078	mg/kg	0.036	0.018	1	06/26/17 09:10	06/30/17 01:54	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	16-123		1	06/26/17 09:10	06/30/17 01:54	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/26/17 09:10	06/30/17 01:54	321-60-8	
Terphenyl-d14 (S)	71	%	38-138		1	06/26/17 09:10	06/30/17 01:54	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 17:22	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 17:22	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 17:22	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-23 W25 (6"-2')** Lab ID: **35319891014** Collected: 06/21/17 14:19 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 17:22	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 17:22	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	108-10-1	
Acetone	0.16	mg/kg	0.021	0.011	1		06/26/17 17:22	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.053	0.027	1		06/26/17 17:22	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/26/17 17:22	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 17:22	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 17:22	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 17:22	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 17:22	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 17:22	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	75-09-2	
Styrene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	127-18-4	
Toluene	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 17:22	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 17:22	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 17:22	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 17:22	75-01-4	
Xylene (Total)	0.0055 U	mg/kg	0.016	0.0055	1		06/26/17 17:22	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	10061-01-5	
m&p-Xylene	0.0055 U	mg/kg	0.011	0.0055	1		06/26/17 17:22	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 W25 (6"-2') **Lab ID: 35319891014** Collected: 06/21/17 14:19 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 17:22	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 17:22	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 17:22	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 17:22	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 17:22	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 17:22	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 17:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		06/26/17 17:22	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		06/26/17 17:22	17060-07-0	
Toluene-d8 (S)	94	%	84-117		1		06/26/17 17:22	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.2	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Sample: SB-23 (0-6") **Lab ID: 35319891015** Collected: 06/21/17 14:30 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	23.7	mg/kg	0.79	0.39	1	06/26/17 17:00	06/27/17 11:31	7440-38-2	
Lead	417	mg/kg	0.79	0.39	1	06/26/17 17:00	06/27/17 11:31	7439-92-1	
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 07/10/17 16:16									
Arsenic	0.10 U	mg/L	0.20	0.10	1	07/12/17 04:12	07/12/17 18:30	7440-38-2	
Lead	0.12	mg/L	0.10	0.050	1	07/12/17 04:12	07/12/17 18:30	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.015 U	mg/kg	0.042	0.015	1	06/26/17 09:10	06/30/17 02:17	83-32-9	
Acenaphthylene	0.031 I	mg/kg	0.042	0.013	1	06/26/17 09:10	06/30/17 02:17	208-96-8	
Anthracene	0.022 I	mg/kg	0.042	0.013	1	06/26/17 09:10	06/30/17 02:17	120-12-7	
Benzo(a)anthracene	0.094	mg/kg	0.042	0.012	1	06/26/17 09:10	06/30/17 02:17	56-55-3	
Benzo(a)pyrene	0.11	mg/kg	0.042	0.0049	1	06/26/17 09:10	06/30/17 02:17	50-32-8	
Benzo(b)fluoranthene	0.17	mg/kg	0.042	0.032	1	06/26/17 09:10	06/30/17 02:17	205-99-2	
Benzo(g,h,i)perylene	0.088	mg/kg	0.042	0.015	1	06/26/17 09:10	06/30/17 02:17	191-24-2	
Benzo(k)fluoranthene	0.071	mg/kg	0.042	0.0091	1	06/26/17 09:10	06/30/17 02:17	207-08-9	
Chrysene	0.12	mg/kg	0.042	0.015	1	06/26/17 09:10	06/30/17 02:17	218-01-9	
Dibenz(a,h)anthracene	0.021 U	mg/kg	0.042	0.021	1	06/26/17 09:10	06/30/17 02:17	53-70-3	
Fluoranthene	0.17	mg/kg	0.042	0.014	1	06/26/17 09:10	06/30/17 02:17	206-44-0	
Fluorene	0.019 U	mg/kg	0.042	0.019	1	06/26/17 09:10	06/30/17 02:17	86-73-7	
Indeno(1,2,3-cd)pyrene	0.073	mg/kg	0.042	0.021	1	06/26/17 09:10	06/30/17 02:17	193-39-5	
1-Methylnaphthalene	0.015 U	mg/kg	0.042	0.015	1	06/26/17 09:10	06/30/17 02:17	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.042	0.017	1	06/26/17 09:10	06/30/17 02:17	91-57-6	
Naphthalene	0.014 U	mg/kg	0.042	0.014	1	06/26/17 09:10	06/30/17 02:17	91-20-3	
Phenanthrene	0.031 I	mg/kg	0.042	0.016	1	06/26/17 09:10	06/30/17 02:17	85-01-8	
Pyrene	0.18	mg/kg	0.042	0.021	1	06/26/17 09:10	06/30/17 02:17	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	16-123		1	06/26/17 09:10	06/30/17 02:17	4165-60-0	
2-Fluorobiphenyl (S)	68	%	32-129		1	06/26/17 09:10	06/30/17 02:17	321-60-8	
Terphenyl-d14 (S)	59	%	38-138		1	06/26/17 09:10	06/30/17 02:17	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/26/17 22:21	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/26/17 22:21	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0055	0.0028	1		06/26/17 22:21	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	120-82-1	
1,2,4-Trimethylbenzene	0.0031 U	mg/kg	0.0055	0.0031	1		06/26/17 22:21	95-63-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 (0-6") Lab ID: **35319891015** Collected: 06/21/17 14:30 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	95-50-1	
1,2-Dichloroethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	78-87-5	
1,3,5-Trimethylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/26/17 22:21	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0055	0.0028	1		06/26/17 22:21	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0055	0.0028	1		06/26/17 22:21	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	108-10-1	
Acetone	0.23	mg/kg	0.022	0.011	1		06/26/17 22:21	67-64-1	J(M1)
Acetonitrile	0.027 U	mg/kg	0.055	0.027	1		06/26/17 22:21	75-05-8	
Benzene	0.0028 U	mg/kg	0.0055	0.0028	1		06/26/17 22:21	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	108-90-7	
Chloroethane	0.0039 U	mg/kg	0.0055	0.0039	1		06/26/17 22:21	75-00-3	J(M1)
Chloroform	0.0032 U	mg/kg	0.0055	0.0032	1		06/26/17 22:21	67-66-3	
Chloromethane	0.0031 U	mg/kg	0.0055	0.0031	1		06/26/17 22:21	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0055	0.0029	1		06/26/17 22:21	75-71-8	J(M1)
Ethylbenzene	0.0031 U	mg/kg	0.0055	0.0031	1		06/26/17 22:21	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	74-88-4	
Isopropylbenzene (Cumene)	0.0032 U	mg/kg	0.0055	0.0032	1		06/26/17 22:21	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	75-09-2	
Styrene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	127-18-4	
Toluene	0.0030 U	mg/kg	0.0055	0.0030	1		06/26/17 22:21	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0055	0.0031	1		06/26/17 22:21	79-01-6	
Trichlorofluoromethane	0.0030 U	mg/kg	0.0055	0.0030	1		06/26/17 22:21	75-69-4	J(M1)
Vinyl acetate	0.0028 U	mg/kg	0.0055	0.0028	1		06/26/17 22:21	108-05-4	
Vinyl chloride	0.0030 U	mg/kg	0.0055	0.0030	1		06/26/17 22:21	75-01-4	
Xylene (Total)	0.0056 U	mg/kg	0.016	0.0056	1		06/26/17 22:21	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	10061-01-5	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 (0-6") **Lab ID: 35319891015** Collected: 06/21/17 14:30 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
m&p-Xylene	0.0056 U	mg/kg	0.011	0.0056	1		06/26/17 22:21	179601-23-1	
n-Butylbenzene	0.0033 U	mg/kg	0.0055	0.0033	1		06/26/17 22:21	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0055	0.0029	1		06/26/17 22:21	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0055	0.0028	1		06/26/17 22:21	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0055	0.0033	1		06/26/17 22:21	99-87-6	
sec-Butylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/26/17 22:21	135-98-8	
tert-Butylbenzene	0.0032 U	mg/kg	0.0055	0.0032	1		06/26/17 22:21	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0055	0.0033	1		06/26/17 22:21	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0055	0.0027	1		06/26/17 22:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/26/17 22:21	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/26/17 22:21	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/26/17 22:21	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	22.1	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 (6"-2') **Lab ID: 35319891016** Collected: 06/21/17 14:35 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	34.5	mg/kg	0.68	0.34	1	06/26/17 17:00	06/27/17 11:35	7440-38-2	
Lead	339	mg/kg	0.68	0.34	1	06/26/17 17:00	06/27/17 11:35	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.087	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:15	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.030 U	mg/kg	0.081	0.030	1	06/26/17 17:30	06/29/17 18:49	83-32-9	D3
Acenaphthylene	0.039 I	mg/kg	0.081	0.025	1	06/26/17 17:30	06/29/17 18:49	208-96-8	D3
Anthracene	0.027 I	mg/kg	0.081	0.025	1	06/26/17 17:30	06/29/17 18:49	120-12-7	D3
Benzo(a)anthracene	0.16	mg/kg	0.081	0.024	1	06/26/17 17:30	06/29/17 18:49	56-55-3	D3
Benzo(a)pyrene	0.19	mg/kg	0.081	0.0096	1	06/26/17 17:30	06/29/17 18:49	50-32-8	D3
Benzo(b)fluoranthene	0.41	mg/kg	0.081	0.061	1	06/26/17 17:30	06/29/17 18:49	205-99-2	D3
Benzo(g,h,i)perylene	0.14	mg/kg	0.081	0.029	1	06/26/17 17:30	06/29/17 18:49	191-24-2	D3
Benzo(k)fluoranthene	0.018 U	mg/kg	0.081	0.018	1	06/26/17 17:30	06/29/17 18:49	207-08-9	D3
Chrysene	0.23	mg/kg	0.081	0.029	1	06/26/17 17:30	06/29/17 18:49	218-01-9	D3
Dibenz(a,h)anthracene	0.041 U	mg/kg	0.081	0.041	1	06/26/17 17:30	06/29/17 18:49	53-70-3	D3
Fluoranthene	0.43	mg/kg	0.081	0.027	1	06/26/17 17:30	06/29/17 18:49	206-44-0	D3
Fluorene	0.037 U	mg/kg	0.081	0.037	1	06/26/17 17:30	06/29/17 18:49	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.12	mg/kg	0.081	0.041	1	06/26/17 17:30	06/29/17 18:49	193-39-5	D3
1-Methylnaphthalene	0.029 U	mg/kg	0.081	0.029	1	06/26/17 17:30	06/29/17 18:49	90-12-0	D3
2-Methylnaphthalene	0.033 U	mg/kg	0.081	0.033	1	06/26/17 17:30	06/29/17 18:49	91-57-6	D3
Naphthalene	0.026 U	mg/kg	0.081	0.026	1	06/26/17 17:30	06/29/17 18:49	91-20-3	D3
Phenanthrene	0.043 I	mg/kg	0.081	0.031	1	06/26/17 17:30	06/29/17 18:49	85-01-8	D3
Pyrene	0.40	mg/kg	0.081	0.041	1	06/26/17 17:30	06/29/17 18:49	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	77	%	16-123		1	06/26/17 17:30	06/29/17 18:49	4165-60-0	
2-Fluorobiphenyl (S)	71	%	32-129		1	06/26/17 17:30	06/29/17 18:49	321-60-8	
Terphenyl-d14 (S)	52	%	38-138		1	06/26/17 17:30	06/29/17 18:49	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 23:08	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 23:08	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 23:08	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 (6"-2') **Lab ID: 35319891016** Collected: 06/21/17 14:35 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 23:08	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 23:08	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	108-10-1	
Acetone	0.16	mg/kg	0.021	0.010	1		06/26/17 23:08	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/26/17 23:08	75-05-8	
Benzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/26/17 23:08	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 23:08	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 23:08	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 23:08	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 23:08	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 23:08	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 23:08	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/26/17 23:08	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 23:08	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/26/17 23:08	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.015	0.0053	1		06/26/17 23:08	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	10061-01-5	
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/26/17 23:08	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-23 (6"-2') **Lab ID: 35319891016** Collected: 06/21/17 14:35 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 23:08	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 23:08	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/26/17 23:08	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 23:08	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 23:08	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/26/17 23:08	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0052	0.0031	1		06/26/17 23:08	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/26/17 23:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/26/17 23:08	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/26/17 23:08	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/26/17 23:08	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	20.2	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 W25 (0-6") **Lab ID: 35319891017** Collected: 06/21/17 15:07 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	19.3	mg/kg	0.57	0.28	1	06/26/17 17:00	06/27/17 11:39	7440-38-2	
Lead	83.9	mg/kg	0.57	0.28	1	06/26/17 17:00	06/27/17 11:39	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.034	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:20	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.015 U	mg/kg	0.041	0.015	1	06/26/17 17:30	06/29/17 19:11	83-32-9	
Acenaphthylene	0.13	mg/kg	0.041	0.013	1	06/26/17 17:30	06/29/17 19:11	208-96-8	
Anthracene	0.095	mg/kg	0.041	0.013	1	06/26/17 17:30	06/29/17 19:11	120-12-7	
Benzo(a)anthracene	0.35	mg/kg	0.041	0.012	1	06/26/17 17:30	06/29/17 19:11	56-55-3	
Benzo(a)pyrene	0.49	mg/kg	0.041	0.0048	1	06/26/17 17:30	06/29/17 19:11	50-32-8	
Benzo(b)fluoranthene	0.69	mg/kg	0.041	0.031	1	06/26/17 17:30	06/29/17 19:11	205-99-2	
Benzo(g,h,i)perylene	0.40	mg/kg	0.041	0.015	1	06/26/17 17:30	06/29/17 19:11	191-24-2	
Benzo(k)fluoranthene	0.40	mg/kg	0.041	0.0089	1	06/26/17 17:30	06/29/17 19:11	207-08-9	
Chrysene	0.46	mg/kg	0.041	0.015	1	06/26/17 17:30	06/29/17 19:11	218-01-9	
Dibenz(a,h)anthracene	0.12	mg/kg	0.041	0.021	1	06/26/17 17:30	06/29/17 19:11	53-70-3	
Fluoranthene	0.62	mg/kg	0.041	0.013	1	06/26/17 17:30	06/29/17 19:11	206-44-0	
Fluorene	0.018 U	mg/kg	0.041	0.018	1	06/26/17 17:30	06/29/17 19:11	86-73-7	
Indeno(1,2,3-cd)pyrene	0.32	mg/kg	0.041	0.021	1	06/26/17 17:30	06/29/17 19:11	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.041	0.014	1	06/26/17 17:30	06/29/17 19:11	90-12-0	
2-Methylnaphthalene	0.017 U	mg/kg	0.041	0.017	1	06/26/17 17:30	06/29/17 19:11	91-57-6	
Naphthalene	0.013 U	mg/kg	0.041	0.013	1	06/26/17 17:30	06/29/17 19:11	91-20-3	
Phenanthrene	0.099	mg/kg	0.041	0.015	1	06/26/17 17:30	06/29/17 19:11	85-01-8	
Pyrene	0.70	mg/kg	0.041	0.021	1	06/26/17 17:30	06/29/17 19:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	16-123		1	06/26/17 17:30	06/29/17 19:11	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/26/17 17:30	06/29/17 19:11	321-60-8	
Terphenyl-d14 (S)	63	%	38-138		1	06/26/17 17:30	06/29/17 19:11	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 23:54	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	79-00-5	
1,1-Dichloroethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 23:54	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 23:54	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-24 W25 (0-6")** Lab ID: **35319891017** Collected: 06/21/17 15:07 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 23:54	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 23:54	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	108-10-1	
Acetone	0.098	mg/kg	0.021	0.011	1		06/26/17 23:54	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.053	0.027	1		06/26/17 23:54	75-05-8	
Benzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	108-90-7	
Chloroethane	0.0038 U	mg/kg	0.0053	0.0038	1		06/26/17 23:54	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 23:54	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 23:54	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 23:54	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 23:54	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 23:54	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	75-09-2	
Styrene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	127-18-4	
Toluene	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 23:54	108-88-3	
Trichloroethene	0.0030 U	mg/kg	0.0053	0.0030	1		06/26/17 23:54	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 23:54	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0053	0.0029	1		06/26/17 23:54	75-01-4	
Xylene (Total)	0.0055 U	mg/kg	0.016	0.0055	1		06/26/17 23:54	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	10061-01-5	
m&p-Xylene	0.0055 U	mg/kg	0.011	0.0055	1		06/26/17 23:54	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 W25 (0-6") **Lab ID: 35319891017** Collected: 06/21/17 15:07 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 23:54	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0053	0.0028	1		06/26/17 23:54	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	95-47-6	
p-Isopropyltoluene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 23:54	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 23:54	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0053	0.0031	1		06/26/17 23:54	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0053	0.0032	1		06/26/17 23:54	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0053	0.0027	1		06/26/17 23:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/26/17 23:54	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		06/26/17 23:54	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/26/17 23:54	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.4	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Sample: **SB-24 W25 (6"-2')** Lab ID: **35319891018** Collected: 06/21/17 15:09 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	10.1	mg/kg	0.52	0.26	1	06/26/17 17:00	06/27/17 11:43	7440-38-2	
Lead	135	mg/kg	0.52	0.26	1	06/26/17 17:00	06/27/17 11:43	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.16	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:25	7440-38-2	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.029 U	mg/kg	0.078	0.029	1	06/26/17 17:30	06/29/17 19:34	83-32-9	D3
Acenaphthylene	0.37	mg/kg	0.078	0.024	1	06/26/17 17:30	06/29/17 19:34	208-96-8	D3
Anthracene	0.14	mg/kg	0.078	0.024	1	06/26/17 17:30	06/29/17 19:34	120-12-7	D3
Benzo(a)anthracene	1.1	mg/kg	0.078	0.023	1	06/26/17 17:30	06/29/17 19:34	56-55-3	D3
Benzo(a)pyrene	1.3	mg/kg	0.078	0.0091	1	06/26/17 17:30	06/29/17 19:34	50-32-8	D3
Benzo(b)fluoranthene	1.8	mg/kg	0.078	0.059	1	06/26/17 17:30	06/29/17 19:34	205-99-2	D3
Benzo(g,h,i)perylene	0.86	mg/kg	0.078	0.028	1	06/26/17 17:30	06/29/17 19:34	191-24-2	D3
Benzo(k)fluoranthene	0.77	mg/kg	0.078	0.017	1	06/26/17 17:30	06/29/17 19:34	207-08-9	D3
Chrysene	1.0	mg/kg	0.078	0.028	1	06/26/17 17:30	06/29/17 19:34	218-01-9	D3
Dibenz(a,h)anthracene	0.039 U	mg/kg	0.078	0.039	1	06/26/17 17:30	06/29/17 19:34	53-70-3	D3
Fluoranthene	2.0	mg/kg	0.078	0.025	1	06/26/17 17:30	06/29/17 19:34	206-44-0	D3
Fluorene	0.035 U	mg/kg	0.078	0.035	1	06/26/17 17:30	06/29/17 19:34	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.78	mg/kg	0.078	0.039	1	06/26/17 17:30	06/29/17 19:34	193-39-5	D3
1-Methylnaphthalene	0.028 U	mg/kg	0.078	0.028	1	06/26/17 17:30	06/29/17 19:34	90-12-0	D3
2-Methylnaphthalene	0.032 U	mg/kg	0.078	0.032	1	06/26/17 17:30	06/29/17 19:34	91-57-6	D3
Naphthalene	0.025 U	mg/kg	0.078	0.025	1	06/26/17 17:30	06/29/17 19:34	91-20-3	D3
Phenanthrene	0.053 I	mg/kg	0.078	0.029	1	06/26/17 17:30	06/29/17 19:34	85-01-8	D3
Pyrene	2.1	mg/kg	0.078	0.039	1	06/26/17 17:30	06/29/17 19:34	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	85	%	16-123		1	06/26/17 17:30	06/29/17 19:34	4165-60-0	
2-Fluorobiphenyl (S)	56	%	32-129		1	06/26/17 17:30	06/29/17 19:34	321-60-8	
Terphenyl-d14 (S)	39	%	38-138		1	06/26/17 17:30	06/29/17 19:34	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/27/17 00:17	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/27/17 00:17	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0054	0.0028	1		06/27/17 00:17	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0054	0.0030	1		06/27/17 00:17	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-24 W25 (6"-2')** Lab ID: **35319891018** Collected: 06/21/17 15:09 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	107-06-2	
1,2-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/27/17 00:17	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	142-28-9	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0054	0.0028	1		06/27/17 00:17	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	108-10-1	
Acetone	0.12	mg/kg	0.022	0.011	1		06/27/17 00:17	67-64-1	
Acetonitrile	0.027 U	mg/kg	0.054	0.027	1		06/27/17 00:17	75-05-8	
Benzene	0.0028 U	mg/kg	0.0054	0.0028	1		06/27/17 00:17	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	108-90-7	
Chloroethane	0.0039 U	mg/kg	0.0054	0.0039	1		06/27/17 00:17	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0054	0.0032	1		06/27/17 00:17	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/27/17 00:17	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/27/17 00:17	75-71-8	
Ethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/27/17 00:17	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0054	0.0031	1		06/27/17 00:17	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	75-09-2	
Styrene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	127-18-4	
Toluene	0.0029 U	mg/kg	0.0054	0.0029	1		06/27/17 00:17	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0054	0.0031	1		06/27/17 00:17	79-01-6	
Trichlorofluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/27/17 00:17	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0054	0.0029	1		06/27/17 00:17	75-01-4	
Xylene (Total)	0.0056 U	mg/kg	0.016	0.0056	1		06/27/17 00:17	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	10061-01-5	
m&p-Xylene	0.0056 U	mg/kg	0.011	0.0056	1		06/27/17 00:17	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 W25 (6"-2') **Lab ID: 35319891018** Collected: 06/21/17 15:09 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0033 U	mg/kg	0.0054	0.0033	1		06/27/17 00:17	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0054	0.0029	1		06/27/17 00:17	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0054	0.0028	1		06/27/17 00:17	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0054	0.0033	1		06/27/17 00:17	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/27/17 00:17	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/27/17 00:17	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0054	0.0033	1		06/27/17 00:17	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/27/17 00:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/27/17 00:17	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/27/17 00:17	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 00:17	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.5	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 E25 (0-6") **Lab ID: 35319891019** Collected: 06/21/17 15:17 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	14.0	mg/kg	0.47	0.23	1	06/26/17 17:00	06/27/17 11:48	7440-38-2	
Lead	45.1	mg/kg	0.47	0.23	1	06/26/17 17:00	06/27/17 11:48	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.026	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:30	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 17:30	06/30/17 02:39	83-32-9	
Acenaphthylene	0.044	mg/kg	0.036	0.011	1	06/26/17 17:30	06/30/17 02:39	208-96-8	
Anthracene	0.024 I	mg/kg	0.036	0.011	1	06/26/17 17:30	06/30/17 02:39	120-12-7	
Benzo(a)anthracene	0.057	mg/kg	0.036	0.011	1	06/26/17 17:30	06/30/17 02:39	56-55-3	
Benzo(a)pyrene	0.088	mg/kg	0.036	0.0043	1	06/26/17 17:30	06/30/17 02:39	50-32-8	
Benzo(b)fluoranthene	0.11	mg/kg	0.036	0.027	1	06/26/17 17:30	06/30/17 02:39	205-99-2	
Benzo(g,h,i)perylene	0.075	mg/kg	0.036	0.013	1	06/26/17 17:30	06/30/17 02:39	191-24-2	
Benzo(k)fluoranthene	0.086	mg/kg	0.036	0.0079	1	06/26/17 17:30	06/30/17 02:39	207-08-9	
Chrysene	0.077	mg/kg	0.036	0.013	1	06/26/17 17:30	06/30/17 02:39	218-01-9	
Dibenz(a,h)anthracene	0.018 U	mg/kg	0.036	0.018	1	06/26/17 17:30	06/30/17 02:39	53-70-3	
Fluoranthene	0.081	mg/kg	0.036	0.012	1	06/26/17 17:30	06/30/17 02:39	206-44-0	
Fluorene	0.016 U	mg/kg	0.036	0.016	1	06/26/17 17:30	06/30/17 02:39	86-73-7	
Indeno(1,2,3-cd)pyrene	0.055	mg/kg	0.036	0.018	1	06/26/17 17:30	06/30/17 02:39	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.036	0.013	1	06/26/17 17:30	06/30/17 02:39	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.036	0.015	1	06/26/17 17:30	06/30/17 02:39	91-57-6	
Naphthalene	0.012 U	mg/kg	0.036	0.012	1	06/26/17 17:30	06/30/17 02:39	91-20-3	
Phenanthrene	0.014 U	mg/kg	0.036	0.014	1	06/26/17 17:30	06/30/17 02:39	85-01-8	
Pyrene	0.10	mg/kg	0.036	0.018	1	06/26/17 17:30	06/30/17 02:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	16-123		1	06/26/17 17:30	06/30/17 02:39	4165-60-0	
2-Fluorobiphenyl (S)	78	%	32-129		1	06/26/17 17:30	06/30/17 02:39	321-60-8	
Terphenyl-d14 (S)	66	%	38-138		1	06/26/17 17:30	06/30/17 02:39	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	630-20-6	
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/27/17 00:40	71-55-6	
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	79-00-5	
1,1-Dichloroethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/27/17 00:40	75-34-3	
1,1-Dichloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	75-35-4	
1,1-Dichloropropene	0.0022 U	mg/kg	0.0043	0.0022	1		06/27/17 00:40	563-58-6	
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	526-73-8	N2
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	120-82-1	
1,2,4-Trimethylbenzene	0.0024 U	mg/kg	0.0043	0.0024	1		06/27/17 00:40	95-63-6	
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-24 E25 (0-6")** Lab ID: **35319891019** Collected: 06/21/17 15:17 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	107-06-2	
1,2-Dichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	78-87-5	
1,3,5-Trimethylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/27/17 00:40	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	541-73-1	
1,3-Dichloropropane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	142-28-9	
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0043	0.0022	1		06/27/17 00:40	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	108-10-1	
Acetone	0.27	mg/kg	0.017	0.0085	1		06/27/17 00:40	67-64-1	
Acetonitrile	0.021 U	mg/kg	0.043	0.021	1		06/27/17 00:40	75-05-8	
Benzene	0.0022 U	mg/kg	0.0043	0.0022	1		06/27/17 00:40	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	74-97-5	
Bromodichloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	75-25-2	
Bromomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	108-90-7	
Chloroethane	0.0031 U	mg/kg	0.0043	0.0031	1		06/27/17 00:40	75-00-3	
Chloroform	0.0025 U	mg/kg	0.0043	0.0025	1		06/27/17 00:40	67-66-3	
Chloromethane	0.0024 U	mg/kg	0.0043	0.0024	1		06/27/17 00:40	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	74-95-3	
Dichlorodifluoromethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/27/17 00:40	75-71-8	
Ethylbenzene	0.0024 U	mg/kg	0.0043	0.0024	1		06/27/17 00:40	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	74-88-4	
Isopropylbenzene (Cumene)	0.0025 U	mg/kg	0.0043	0.0025	1		06/27/17 00:40	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	75-09-2	
Styrene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	127-18-4	
Toluene	0.0023 U	mg/kg	0.0043	0.0023	1		06/27/17 00:40	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0043	0.0024	1		06/27/17 00:40	79-01-6	
Trichlorofluoromethane	0.0023 U	mg/kg	0.0043	0.0023	1		06/27/17 00:40	75-69-4	
Vinyl acetate	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	108-05-4	
Vinyl chloride	0.0023 U	mg/kg	0.0043	0.0023	1		06/27/17 00:40	75-01-4	
Xylene (Total)	0.0044 U	mg/kg	0.013	0.0044	1		06/27/17 00:40	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	156-59-2	
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	10061-01-5	
m&p-Xylene	0.0044 U	mg/kg	0.0085	0.0044	1		06/27/17 00:40	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 E25 (0-6") **Lab ID: 35319891019** Collected: 06/21/17 15:17 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0026 U	mg/kg	0.0043	0.0026	1		06/27/17 00:40	104-51-8	
n-Propylbenzene	0.0022 U	mg/kg	0.0043	0.0022	1		06/27/17 00:40	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0043	0.0022	1		06/27/17 00:40	95-47-6	
p-Isopropyltoluene	0.0026 U	mg/kg	0.0043	0.0026	1		06/27/17 00:40	99-87-6	
sec-Butylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/27/17 00:40	135-98-8	
tert-Butylbenzene	0.0025 U	mg/kg	0.0043	0.0025	1		06/27/17 00:40	98-06-6	
trans-1,2-Dichloroethene	0.0026 U	mg/kg	0.0043	0.0026	1		06/27/17 00:40	156-60-5	
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0043	0.0021	1		06/27/17 00:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/27/17 00:40	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-131		1		06/27/17 00:40	17060-07-0	
Toluene-d8 (S)	102	%	84-117		1		06/27/17 00:40	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.3	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 E25 (6"-2') **Lab ID: 35319891020** Collected: 06/21/17 15:19 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	22.5	mg/kg	0.60	0.30	1	06/26/17 17:00	06/27/17 11:52	7440-38-2	
Lead	94.5	mg/kg	0.60	0.30	1	06/26/17 17:00	06/27/17 11:52	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.069	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:35	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 03:02	83-32-9	
Acenaphthylene	0.058	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 03:02	208-96-8	
Anthracene	0.035 I	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 03:02	120-12-7	
Benzo(a)anthracene	0.10	mg/kg	0.038	0.011	1	06/26/17 17:30	06/30/17 03:02	56-55-3	
Benzo(a)pyrene	0.15	mg/kg	0.038	0.0044	1	06/26/17 17:30	06/30/17 03:02	50-32-8	
Benzo(b)fluoranthene	0.21	mg/kg	0.038	0.029	1	06/26/17 17:30	06/30/17 03:02	205-99-2	
Benzo(g,h,i)perylene	0.11	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 03:02	191-24-2	
Benzo(k)fluoranthene	0.12	mg/kg	0.038	0.0082	1	06/26/17 17:30	06/30/17 03:02	207-08-9	
Chrysene	0.15	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 03:02	218-01-9	
Dibenz(a,h)anthracene	0.058	mg/kg	0.038	0.019	1	06/26/17 17:30	06/30/17 03:02	53-70-3	
Fluoranthene	0.16	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 03:02	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/26/17 17:30	06/30/17 03:02	86-73-7	
Indeno(1,2,3-cd)pyrene	0.094	mg/kg	0.038	0.019	1	06/26/17 17:30	06/30/17 03:02	193-39-5	
1-Methylnaphthalene	0.016 I	mg/kg	0.038	0.013	1	06/26/17 17:30	06/30/17 03:02	90-12-0	
2-Methylnaphthalene	0.023 I	mg/kg	0.038	0.015	1	06/26/17 17:30	06/30/17 03:02	91-57-6	
Naphthalene	0.021 I	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 03:02	91-20-3	
Phenanthrene	0.025 I	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 03:02	85-01-8	
Pyrene	0.20	mg/kg	0.038	0.019	1	06/26/17 17:30	06/30/17 03:02	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	79	%	16-123		1	06/26/17 17:30	06/30/17 03:02	4165-60-0	
2-Fluorobiphenyl (S)	70	%	32-129		1	06/26/17 17:30	06/30/17 03:02	321-60-8	
Terphenyl-d14 (S)	62	%	38-138		1	06/26/17 17:30	06/30/17 03:02	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	630-20-6	
1,1,1-Trichloroethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/27/17 01:03	71-55-6	
1,1,2,2-Tetrachloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	79-34-5	
1,1,2-Trichloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	79-00-5	
1,1-Dichloroethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/27/17 01:03	75-34-3	
1,1-Dichloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	75-35-4	
1,1-Dichloropropene	0.0025 U	mg/kg	0.0048	0.0025	1		06/27/17 01:03	563-58-6	
1,2,3-Trichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	87-61-6	
1,2,3-Trichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	96-18-4	
1,2,3-Trimethylbenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	526-73-8	N2
1,2,4-Trichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	120-82-1	
1,2,4-Trimethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/27/17 01:03	95-63-6	
1,2-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 E25 (6"-2') **Lab ID: 35319891020** Collected: 06/21/17 15:19 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	107-06-2	
1,2-Dichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	78-87-5	
1,3,5-Trimethylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/27/17 01:03	108-67-8	
1,3-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	541-73-1	
1,3-Dichloropropane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	142-28-9	
1,4-Dichlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	106-46-7	
2,2-Dichloropropane	0.0025 U	mg/kg	0.0048	0.0025	1		06/27/17 01:03	594-20-7	
2-Butanone (MEK)	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	78-93-3	
2-Chlorotoluene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	95-49-8	
2-Hexanone	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	591-78-6	
4-Chlorotoluene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	108-10-1	
Acetone	0.14	mg/kg	0.019	0.0096	1		06/27/17 01:03	67-64-1	
Acetonitrile	0.024 U	mg/kg	0.048	0.024	1		06/27/17 01:03	75-05-8	
Benzene	0.0025 U	mg/kg	0.0048	0.0025	1		06/27/17 01:03	71-43-2	
Bromobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	108-86-1	
Bromochloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	74-97-5	
Bromodichloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	75-27-4	
Bromoform	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	75-25-2	
Bromomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	74-83-9	
Carbon disulfide	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	75-15-0	
Carbon tetrachloride	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	56-23-5	
Chlorobenzene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	108-90-7	
Chloroethane	0.0034 U	mg/kg	0.0048	0.0034	1		06/27/17 01:03	75-00-3	
Chloroform	0.0028 U	mg/kg	0.0048	0.0028	1		06/27/17 01:03	67-66-3	
Chloromethane	0.0027 U	mg/kg	0.0048	0.0027	1		06/27/17 01:03	74-87-3	
Dibromochloromethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	124-48-1	
Dibromomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0048	0.0025	1		06/27/17 01:03	75-71-8	
Ethylbenzene	0.0027 U	mg/kg	0.0048	0.0027	1		06/27/17 01:03	100-41-4	
Iodomethane	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	74-88-4	
Isopropylbenzene (Cumene)	0.0028 U	mg/kg	0.0048	0.0028	1		06/27/17 01:03	98-82-8	
Methyl-tert-butyl ether	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	1634-04-4	
Methylene Chloride	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	75-09-2	
Styrene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	100-42-5	
Tetrachloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	127-18-4	
Toluene	0.0026 U	mg/kg	0.0048	0.0026	1		06/27/17 01:03	108-88-3	
Trichloroethene	0.0027 U	mg/kg	0.0048	0.0027	1		06/27/17 01:03	79-01-6	
Trichlorofluoromethane	0.0026 U	mg/kg	0.0048	0.0026	1		06/27/17 01:03	75-69-4	
Vinyl acetate	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	108-05-4	
Vinyl chloride	0.0026 U	mg/kg	0.0048	0.0026	1		06/27/17 01:03	75-01-4	
Xylene (Total)	0.0049 U	mg/kg	0.014	0.0049	1		06/27/17 01:03	1330-20-7	
cis-1,2-Dichloroethene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	156-59-2	
cis-1,3-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	10061-01-5	
m&p-Xylene	0.0049 U	mg/kg	0.0096	0.0049	1		06/27/17 01:03	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 E25 (6"-2') **Lab ID: 35319891020** Collected: 06/21/17 15:19 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0029 U	mg/kg	0.0048	0.0029	1		06/27/17 01:03	104-51-8	
n-Propylbenzene	0.0025 U	mg/kg	0.0048	0.0025	1		06/27/17 01:03	103-65-1	
o-Xylene	0.0025 U	mg/kg	0.0048	0.0025	1		06/27/17 01:03	95-47-6	
p-Isopropyltoluene	0.0029 U	mg/kg	0.0048	0.0029	1		06/27/17 01:03	99-87-6	
sec-Butylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/27/17 01:03	135-98-8	
tert-Butylbenzene	0.0028 U	mg/kg	0.0048	0.0028	1		06/27/17 01:03	98-06-6	
trans-1,2-Dichloroethene	0.0029 U	mg/kg	0.0048	0.0029	1		06/27/17 01:03	156-60-5	
trans-1,3-Dichloropropene	0.0024 U	mg/kg	0.0048	0.0024	1		06/27/17 01:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/27/17 01:03	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/27/17 01:03	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 01:03	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.7	%	0.10	0.10	1		06/29/17 14:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 (0-6") **Lab ID: 35319891021** Collected: 06/21/17 15:20 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	28.8	mg/kg	0.65	0.32	1	06/26/17 15:00	06/27/17 04:46	7440-38-2	
Lead	114	mg/kg	0.65	0.32	1	06/26/17 15:00	06/27/17 04:46	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.036	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:40	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.012 U	mg/kg	0.034	0.012	1	06/26/17 17:30	06/30/17 03:24	83-32-9	
Acenaphthylene	0.15	mg/kg	0.034	0.011	1	06/26/17 17:30	06/30/17 03:24	208-96-8	
Anthracene	0.10	mg/kg	0.034	0.010	1	06/26/17 17:30	06/30/17 03:24	120-12-7	
Benzo(a)anthracene	0.35	mg/kg	0.034	0.0099	1	06/26/17 17:30	06/30/17 03:24	56-55-3	
Benzo(a)pyrene	0.45	mg/kg	0.034	0.0040	1	06/26/17 17:30	06/30/17 03:24	50-32-8	
Benzo(b)fluoranthene	0.66	mg/kg	0.034	0.026	1	06/26/17 17:30	06/30/17 03:24	205-99-2	
Benzo(g,h,i)perylene	0.37	mg/kg	0.034	0.012	1	06/26/17 17:30	06/30/17 03:24	191-24-2	
Benzo(k)fluoranthene	0.42	mg/kg	0.034	0.0074	1	06/26/17 17:30	06/30/17 03:24	207-08-9	
Chrysene	0.43	mg/kg	0.034	0.012	1	06/26/17 17:30	06/30/17 03:24	218-01-9	
Dibenz(a,h)anthracene	0.11	mg/kg	0.034	0.017	1	06/26/17 17:30	06/30/17 03:24	53-70-3	
Fluoranthene	0.53	mg/kg	0.034	0.011	1	06/26/17 17:30	06/30/17 03:24	206-44-0	
Fluorene	0.015 U	mg/kg	0.034	0.015	1	06/26/17 17:30	06/30/17 03:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.30	mg/kg	0.034	0.017	1	06/26/17 17:30	06/30/17 03:24	193-39-5	
1-Methylnaphthalene	0.019 I	mg/kg	0.034	0.012	1	06/26/17 17:30	06/30/17 03:24	90-12-0	
2-Methylnaphthalene	0.028 I	mg/kg	0.034	0.014	1	06/26/17 17:30	06/30/17 03:24	91-57-6	
Naphthalene	0.022 I	mg/kg	0.034	0.011	1	06/26/17 17:30	06/30/17 03:24	91-20-3	
Phenanthrene	0.069	mg/kg	0.034	0.013	1	06/26/17 17:30	06/30/17 03:24	85-01-8	
Pyrene	0.56	mg/kg	0.034	0.017	1	06/26/17 17:30	06/30/17 03:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	16-123		1	06/26/17 17:30	06/30/17 03:24	4165-60-0	
2-Fluorobiphenyl (S)	67	%	32-129		1	06/26/17 17:30	06/30/17 03:24	321-60-8	
Terphenyl-d14 (S)	68	%	38-138		1	06/26/17 17:30	06/30/17 03:24	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/27/17 01:26	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/27/17 01:26	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0050	0.0026	1		06/27/17 01:26	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	526-73-8	N2
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	120-82-1	
1,2,4-Trimethylbenzene	0.0028 U	mg/kg	0.0050	0.0028	1		06/27/17 01:26	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-24 (0-6")** Lab ID: **35319891021** Collected: 06/21/17 15:20 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/27/17 01:26	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	142-28-9	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0050	0.0026	1		06/27/17 01:26	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	78-93-3	
2-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	108-10-1	
Acetone	0.13	mg/kg	0.020	0.010	1		06/27/17 01:26	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.050	0.025	1		06/27/17 01:26	75-05-8	
Benzene	0.0026 U	mg/kg	0.0050	0.0026	1		06/27/17 01:26	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	108-90-7	
Chloroethane	0.0036 U	mg/kg	0.0050	0.0036	1		06/27/17 01:26	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0050	0.0030	1		06/27/17 01:26	67-66-3	
Chloromethane	0.0028 U	mg/kg	0.0050	0.0028	1		06/27/17 01:26	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/27/17 01:26	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/27/17 01:26	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	74-88-4	
Isopropylbenzene (Cumene)	0.0029 U	mg/kg	0.0050	0.0029	1		06/27/17 01:26	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	75-09-2	
Styrene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	127-18-4	
Toluene	0.0027 U	mg/kg	0.0050	0.0027	1		06/27/17 01:26	108-88-3	
Trichloroethene	0.0028 U	mg/kg	0.0050	0.0028	1		06/27/17 01:26	79-01-6	
Trichlorofluoromethane	0.0027 U	mg/kg	0.0050	0.0027	1		06/27/17 01:26	75-69-4	
Vinyl acetate	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0050	0.0027	1		06/27/17 01:26	75-01-4	
Xylene (Total)	0.0052 U	mg/kg	0.015	0.0052	1		06/27/17 01:26	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	10061-01-5	
m&p-Xylene	0.0052 U	mg/kg	0.010	0.0052	1		06/27/17 01:26	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 (0-6") **Lab ID: 35319891021** Collected: 06/21/17 15:20 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0030 U	mg/kg	0.0050	0.0030	1		06/27/17 01:26	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0050	0.0027	1		06/27/17 01:26	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0050	0.0026	1		06/27/17 01:26	95-47-6	
p-Isopropyltoluene	0.0030 U	mg/kg	0.0050	0.0030	1		06/27/17 01:26	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/27/17 01:26	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0050	0.0029	1		06/27/17 01:26	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0050	0.0031	1		06/27/17 01:26	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0050	0.0025	1		06/27/17 01:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/27/17 01:26	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-131		1		06/27/17 01:26	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 01:26	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.3	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Sample: SB-24 (6"-2') **Lab ID: 35319891022** Collected: 06/21/17 15:30 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	16.9	mg/kg	0.53	0.26	1	06/26/17 15:00	06/27/17 04:51	7440-38-2	
Lead	84.0	mg/kg	0.53	0.26	1	06/26/17 15:00	06/27/17 04:51	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.016	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:45	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 17:30	06/30/17 03:47	83-32-9	
Acenaphthylene	0.076	mg/kg	0.035	0.011	1	06/26/17 17:30	06/30/17 03:47	208-96-8	
Anthracene	0.039	mg/kg	0.035	0.011	1	06/26/17 17:30	06/30/17 03:47	120-12-7	
Benzo(a)anthracene	0.15	mg/kg	0.035	0.010	1	06/26/17 17:30	06/30/17 03:47	56-55-3	
Benzo(a)pyrene	0.20	mg/kg	0.035	0.0041	1	06/26/17 17:30	06/30/17 03:47	50-32-8	
Benzo(b)fluoranthene	0.30	mg/kg	0.035	0.026	1	06/26/17 17:30	06/30/17 03:47	205-99-2	
Benzo(g,h,i)perylene	0.13	mg/kg	0.035	0.013	1	06/26/17 17:30	06/30/17 03:47	191-24-2	
Benzo(k)fluoranthene	0.12	mg/kg	0.035	0.0076	1	06/26/17 17:30	06/30/17 03:47	207-08-9	
Chrysene	0.16	mg/kg	0.035	0.013	1	06/26/17 17:30	06/30/17 03:47	218-01-9	
Dibenz(a,h)anthracene	0.054	mg/kg	0.035	0.018	1	06/26/17 17:30	06/30/17 03:47	53-70-3	
Fluoranthene	0.19	mg/kg	0.035	0.011	1	06/26/17 17:30	06/30/17 03:47	206-44-0	
Fluorene	0.016 U	mg/kg	0.035	0.016	1	06/26/17 17:30	06/30/17 03:47	86-73-7	
Indeno(1,2,3-cd)pyrene	0.12	mg/kg	0.035	0.018	1	06/26/17 17:30	06/30/17 03:47	193-39-5	
1-Methylnaphthalene	0.012 U	mg/kg	0.035	0.012	1	06/26/17 17:30	06/30/17 03:47	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.035	0.014	1	06/26/17 17:30	06/30/17 03:47	91-57-6	
Naphthalene	0.011 U	mg/kg	0.035	0.011	1	06/26/17 17:30	06/30/17 03:47	91-20-3	
Phenanthrene	0.013 U	mg/kg	0.035	0.013	1	06/26/17 17:30	06/30/17 03:47	85-01-8	
Pyrene	0.25	mg/kg	0.035	0.018	1	06/26/17 17:30	06/30/17 03:47	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	16-123		1	06/26/17 17:30	06/30/17 03:47	4165-60-0	
2-Fluorobiphenyl (S)	79	%	32-129		1	06/26/17 17:30	06/30/17 03:47	321-60-8	
Terphenyl-d14 (S)	78	%	38-138		1	06/26/17 17:30	06/30/17 03:47	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	630-20-6	
1,1,1-Trichloroethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/27/17 01:49	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/27/17 01:49	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0052	0.0027	1		06/27/17 01:49	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/27/17 01:49	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	95-50-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 (6"-2') **Lab ID: 35319891022** Collected: 06/21/17 15:30 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	107-06-2	
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/27/17 01:49	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	142-28-9	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/27/17 01:49	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	108-10-1	
Acetone	0.17	mg/kg	0.021	0.010	1		06/27/17 01:49	67-64-1	
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/27/17 01:49	75-05-8	
Benzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/27/17 01:49	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/27/17 01:49	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/27/17 01:49	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/27/17 01:49	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/27/17 01:49	75-71-8	
Ethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/27/17 01:49	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/27/17 01:49	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/27/17 01:49	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/27/17 01:49	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/27/17 01:49	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/27/17 01:49	75-01-4	
Xylene (Total)	0.0054 U	mg/kg	0.016	0.0054	1		06/27/17 01:49	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	10061-01-5	
m&p-Xylene	0.0054 U	mg/kg	0.010	0.0054	1		06/27/17 01:49	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-24 (6"-2') **Lab ID: 35319891022** Collected: 06/21/17 15:30 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/27/17 01:49	104-51-8	
n-Propylbenzene	0.0028 U	mg/kg	0.0052	0.0028	1		06/27/17 01:49	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/27/17 01:49	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/27/17 01:49	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/27/17 01:49	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/27/17 01:49	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/27/17 01:49	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/27/17 01:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/27/17 01:49	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/27/17 01:49	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 01:49	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.1	%	0.10	0.10	1		06/29/17 14:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 E25 (0-6") **Lab ID: 35319891023** Collected: 06/21/17 16:12 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.3	mg/kg	0.65	0.32	1	06/26/17 15:00	06/27/17 04:56	7440-38-2	
Lead	4.1	mg/kg	0.65	0.32	1	06/26/17 15:00	06/27/17 04:56	7439-92-1	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.030 U	mg/kg	0.081	0.030	1	06/26/17 17:30	06/30/17 04:09	83-32-9	D3
Acenaphthylene	0.025 U	mg/kg	0.081	0.025	1	06/26/17 17:30	06/30/17 04:09	208-96-8	D3
Anthracene	0.025 U	mg/kg	0.081	0.025	1	06/26/17 17:30	06/30/17 04:09	120-12-7	D3
Benzo(a)anthracene	0.029 I	mg/kg	0.081	0.024	1	06/26/17 17:30	06/30/17 04:09	56-55-3	D3
Benzo(a)pyrene	0.029 I	mg/kg	0.081	0.0095	1	06/26/17 17:30	06/30/17 04:09	50-32-8	D3
Benzo(b)fluoranthene	0.061 U	mg/kg	0.081	0.061	1	06/26/17 17:30	06/30/17 04:09	205-99-2	D3
Benzo(g,h,i)perylene	0.029 U	mg/kg	0.081	0.029	1	06/26/17 17:30	06/30/17 04:09	191-24-2	D3
Benzo(k)fluoranthene	0.018 U	mg/kg	0.081	0.018	1	06/26/17 17:30	06/30/17 04:09	207-08-9	D3
Chrysene	0.029 U	mg/kg	0.081	0.029	1	06/26/17 17:30	06/30/17 04:09	218-01-9	D3
Dibenz(a,h)anthracene	0.041 U	mg/kg	0.081	0.041	1	06/26/17 17:30	06/30/17 04:09	53-70-3	D3
Fluoranthene	0.045 I	mg/kg	0.081	0.027	1	06/26/17 17:30	06/30/17 04:09	206-44-0	D3
Fluorene	0.037 U	mg/kg	0.081	0.037	1	06/26/17 17:30	06/30/17 04:09	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.041 U	mg/kg	0.081	0.041	1	06/26/17 17:30	06/30/17 04:09	193-39-5	D3
1-Methylnaphthalene	0.029 U	mg/kg	0.081	0.029	1	06/26/17 17:30	06/30/17 04:09	90-12-0	D3
2-Methylnaphthalene	0.033 U	mg/kg	0.081	0.033	1	06/26/17 17:30	06/30/17 04:09	91-57-6	D3
Naphthalene	0.026 U	mg/kg	0.081	0.026	1	06/26/17 17:30	06/30/17 04:09	91-20-3	D3
Phenanthrene	0.031 U	mg/kg	0.081	0.031	1	06/26/17 17:30	06/30/17 04:09	85-01-8	D3
Pyrene	0.041 U	mg/kg	0.081	0.041	1	06/26/17 17:30	06/30/17 04:09	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	76	%	16-123		1	06/26/17 17:30	06/30/17 04:09	4165-60-0	
2-Fluorobiphenyl (S)	71	%	32-129		1	06/26/17 17:30	06/30/17 04:09	321-60-8	
Terphenyl-d14 (S)	58	%	38-138		1	06/26/17 17:30	06/30/17 04:09	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	630-20-6	
1,1,1-Trichloroethane	0.0034 U	mg/kg	0.0062	0.0034	1		06/27/17 02:12	71-55-6	
1,1,2,2-Tetrachloroethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	79-34-5	
1,1,2-Trichloroethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	79-00-5	
1,1-Dichloroethane	0.0034 U	mg/kg	0.0062	0.0034	1		06/27/17 02:12	75-34-3	
1,1-Dichloroethene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	75-35-4	
1,1-Dichloropropene	0.0032 U	mg/kg	0.0062	0.0032	1		06/27/17 02:12	563-58-6	
1,2,3-Trichlorobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	87-61-6	
1,2,3-Trichloropropane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	96-18-4	
1,2,3-Trimethylbenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	526-73-8	N2
1,2,4-Trichlorobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	120-82-1	
1,2,4-Trimethylbenzene	0.0035 U	mg/kg	0.0062	0.0035	1		06/27/17 02:12	95-63-6	
1,2-Dichlorobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	95-50-1	
1,2-Dichloroethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	107-06-2	
1,2-Dichloropropane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	78-87-5	
1,3,5-Trimethylbenzene	0.0036 U	mg/kg	0.0062	0.0036	1		06/27/17 02:12	108-67-8	
1,3-Dichlorobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 E25 (0-6")** Lab ID: **35319891023** Collected: 06/21/17 16:12 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	142-28-9	
1,4-Dichlorobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	106-46-7	
2,2-Dichloropropane	0.0032 U	mg/kg	0.0062	0.0032	1		06/27/17 02:12	594-20-7	
2-Butanone (MEK)	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	78-93-3	
2-Chlorotoluene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	95-49-8	
2-Hexanone	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	591-78-6	
4-Chlorotoluene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	108-10-1	
Acetone	0.16	mg/kg	0.025	0.012	1		06/27/17 02:12	67-64-1	
Acetonitrile	0.031 U	mg/kg	0.062	0.031	1		06/27/17 02:12	75-05-8	
Benzene	0.0032 U	mg/kg	0.0062	0.0032	1		06/27/17 02:12	71-43-2	
Bromobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	108-86-1	
Bromochloromethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	74-97-5	
Bromodichloromethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	75-27-4	
Bromoform	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	75-25-2	
Bromomethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	74-83-9	
Carbon disulfide	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	75-15-0	
Carbon tetrachloride	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	56-23-5	
Chlorobenzene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	108-90-7	
Chloroethane	0.0045 U	mg/kg	0.0062	0.0045	1		06/27/17 02:12	75-00-3	
Chloroform	0.0037 U	mg/kg	0.0062	0.0037	1		06/27/17 02:12	67-66-3	
Chloromethane	0.0035 U	mg/kg	0.0062	0.0035	1		06/27/17 02:12	74-87-3	
Dibromochloromethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	124-48-1	
Dibromomethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	74-95-3	
Dichlorodifluoromethane	0.0033 U	mg/kg	0.0062	0.0033	1		06/27/17 02:12	75-71-8	
Ethylbenzene	0.0035 U	mg/kg	0.0062	0.0035	1		06/27/17 02:12	100-41-4	
Iodomethane	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	74-88-4	
Isopropylbenzene (Cumene)	0.0036 U	mg/kg	0.0062	0.0036	1		06/27/17 02:12	98-82-8	
Methyl-tert-butyl ether	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	1634-04-4	
Methylene Chloride	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	75-09-2	
Styrene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	100-42-5	
Tetrachloroethene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	127-18-4	
Toluene	0.0034 U	mg/kg	0.0062	0.0034	1		06/27/17 02:12	108-88-3	
Trichloroethene	0.0035 U	mg/kg	0.0062	0.0035	1		06/27/17 02:12	79-01-6	
Trichlorofluoromethane	0.0034 U	mg/kg	0.0062	0.0034	1		06/27/17 02:12	75-69-4	
Vinyl acetate	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	108-05-4	
Vinyl chloride	0.0034 U	mg/kg	0.0062	0.0034	1		06/27/17 02:12	75-01-4	
Xylene (Total)	0.0064 U	mg/kg	0.019	0.0064	1		06/27/17 02:12	1330-20-7	
cis-1,2-Dichloroethene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	156-59-2	
cis-1,3-Dichloropropene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	10061-01-5	
m&p-Xylene	0.0064 U	mg/kg	0.012	0.0064	1		06/27/17 02:12	179601-23-1	
n-Butylbenzene	0.0038 U	mg/kg	0.0062	0.0038	1		06/27/17 02:12	104-51-8	
n-Propylbenzene	0.0033 U	mg/kg	0.0062	0.0033	1		06/27/17 02:12	103-65-1	
o-Xylene	0.0032 U	mg/kg	0.0062	0.0032	1		06/27/17 02:12	95-47-6	
p-Isopropyltoluene	0.0038 U	mg/kg	0.0062	0.0038	1		06/27/17 02:12	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 E25 (0-6") **Lab ID: 35319891023** Collected: 06/21/17 16:12 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0036 U	mg/kg	0.0062	0.0036	1		06/27/17 02:12	135-98-8	
tert-Butylbenzene	0.0036 U	mg/kg	0.0062	0.0036	1		06/27/17 02:12	98-06-6	
trans-1,2-Dichloroethene	0.0038 U	mg/kg	0.0062	0.0038	1		06/27/17 02:12	156-60-5	
trans-1,3-Dichloropropene	0.0031 U	mg/kg	0.0062	0.0031	1		06/27/17 02:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/27/17 02:12	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/27/17 02:12	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 02:12	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.9	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 E25 (6"-2') **Lab ID: 35319891024** Collected: 06/21/17 16:14 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	47.4	mg/kg	0.71	0.35	1	06/26/17 15:00	06/27/17 05:01	7440-38-2	
Lead	31.3	mg/kg	0.71	0.35	1	06/26/17 15:00	06/27/17 05:01	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.059	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:50	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.037 U	mg/kg	0.10	0.037	1	06/26/17 17:30	06/30/17 04:31	83-32-9	D3
Acenaphthylene	0.31	mg/kg	0.10	0.032	1	06/26/17 17:30	06/30/17 04:31	208-96-8	D3
Anthracene	0.13	mg/kg	0.10	0.031	1	06/26/17 17:30	06/30/17 04:31	120-12-7	D3
Benzo(a)anthracene	0.94	mg/kg	0.10	0.029	1	06/26/17 17:30	06/30/17 04:31	56-55-3	D3
Benzo(a)pyrene	0.90	mg/kg	0.10	0.012	1	06/26/17 17:30	06/30/17 04:31	50-32-8	D3
Benzo(b)fluoranthene	1.1	mg/kg	0.10	0.076	1	06/26/17 17:30	06/30/17 04:31	205-99-2	D3
Benzo(g,h,i)perylene	0.58	mg/kg	0.10	0.036	1	06/26/17 17:30	06/30/17 04:31	191-24-2	D3
Benzo(k)fluoranthene	0.72	mg/kg	0.10	0.022	1	06/26/17 17:30	06/30/17 04:31	207-08-9	D3
Chrysene	0.90	mg/kg	0.10	0.036	1	06/26/17 17:30	06/30/17 04:31	218-01-9	D3
Dibenz(a,h)anthracene	0.20	mg/kg	0.10	0.051	1	06/26/17 17:30	06/30/17 04:31	53-70-3	D3
Fluoranthene	2.2	mg/kg	0.10	0.033	1	06/26/17 17:30	06/30/17 04:31	206-44-0	D3
Fluorene	0.046 U	mg/kg	0.10	0.046	1	06/26/17 17:30	06/30/17 04:31	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.53	mg/kg	0.10	0.051	1	06/26/17 17:30	06/30/17 04:31	193-39-5	D3
1-Methylnaphthalene	0.036 U	mg/kg	0.10	0.036	1	06/26/17 17:30	06/30/17 04:31	90-12-0	D3
2-Methylnaphthalene	0.041 U	mg/kg	0.10	0.041	1	06/26/17 17:30	06/30/17 04:31	91-57-6	D3
Naphthalene	0.033 U	mg/kg	0.10	0.033	1	06/26/17 17:30	06/30/17 04:31	91-20-3	D3
Phenanthrene	0.039 I	mg/kg	0.10	0.038	1	06/26/17 17:30	06/30/17 04:31	85-01-8	D3
Pyrene	2.0	mg/kg	0.10	0.051	1	06/26/17 17:30	06/30/17 04:31	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	79	%	16-123		1	06/26/17 17:30	06/30/17 04:31	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/26/17 17:30	06/30/17 04:31	321-60-8	
Terphenyl-d14 (S)	49	%	38-138		1	06/26/17 17:30	06/30/17 04:31	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/27/17 02:35	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/27/17 02:35	75-34-3	
1,1-Dichloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0060	0.0031	1		06/27/17 02:35	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	526-73-8	N2
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	120-82-1	
1,2,4-Trimethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/27/17 02:35	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 E25 (6"-2')** Lab ID: **35319891024** Collected: 06/21/17 16:14 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	107-06-2	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	78-87-5	
1,3,5-Trimethylbenzene	0.0035 U	mg/kg	0.0060	0.0035	1		06/27/17 02:35	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	541-73-1	
1,3-Dichloropropane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	142-28-9	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0060	0.0031	1		06/27/17 02:35	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	108-10-1	
Acetone	0.47	mg/kg	0.024	0.012	1		06/27/17 02:35	67-64-1	
Acetonitrile	0.030 U	mg/kg	0.060	0.030	1		06/27/17 02:35	75-05-8	
Benzene	0.0031 U	mg/kg	0.0060	0.0031	1		06/27/17 02:35	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	75-25-2	
Bromomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	108-90-7	
Chloroethane	0.0043 U	mg/kg	0.0060	0.0043	1		06/27/17 02:35	75-00-3	
Chloroform	0.0036 U	mg/kg	0.0060	0.0036	1		06/27/17 02:35	67-66-3	
Chloromethane	0.0034 U	mg/kg	0.0060	0.0034	1		06/27/17 02:35	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0060	0.0032	1		06/27/17 02:35	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0060	0.0034	1		06/27/17 02:35	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0060	0.0035	1		06/27/17 02:35	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	75-09-2	
Styrene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	127-18-4	
Toluene	0.0032 U	mg/kg	0.0060	0.0032	1		06/27/17 02:35	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0060	0.0034	1		06/27/17 02:35	79-01-6	
Trichlorofluoromethane	0.0033 U	mg/kg	0.0060	0.0033	1		06/27/17 02:35	75-69-4	
Vinyl acetate	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	108-05-4	
Vinyl chloride	0.0032 U	mg/kg	0.0060	0.0032	1		06/27/17 02:35	75-01-4	
Xylene (Total)	0.0062 U	mg/kg	0.018	0.0062	1		06/27/17 02:35	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	10061-01-5	
m&p-Xylene	0.0062 U	mg/kg	0.012	0.0062	1		06/27/17 02:35	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 E25 (6"-2') **Lab ID: 35319891024** Collected: 06/21/17 16:14 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0036 U	mg/kg	0.0060	0.0036	1		06/27/17 02:35	104-51-8	
n-Propylbenzene	0.0032 U	mg/kg	0.0060	0.0032	1		06/27/17 02:35	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0060	0.0031	1		06/27/17 02:35	95-47-6	
p-Isopropyltoluene	0.0036 U	mg/kg	0.0060	0.0036	1		06/27/17 02:35	99-87-6	
sec-Butylbenzene	0.0035 U	mg/kg	0.0060	0.0035	1		06/27/17 02:35	135-98-8	
tert-Butylbenzene	0.0035 U	mg/kg	0.0060	0.0035	1		06/27/17 02:35	98-06-6	
trans-1,2-Dichloroethene	0.0037 U	mg/kg	0.0060	0.0037	1		06/27/17 02:35	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0060	0.0030	1		06/27/17 02:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	55-148		1		06/27/17 02:35	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-131		1		06/27/17 02:35	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 02:35	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	34.6	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 (0-6") **Lab ID: 35319891025** Collected: 06/21/17 16:29 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.0	mg/kg	0.56	0.28	1	06/26/17 15:00	06/27/17 05:06	7440-38-2	
Lead	8.7	mg/kg	0.56	0.28	1	06/26/17 15:00	06/27/17 05:06	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.014 U	mg/kg	0.039	0.014	1	06/26/17 17:30	06/30/17 05:39	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.039	0.012	1	06/26/17 17:30	06/30/17 05:39	208-96-8	
Anthracene	0.012 U	mg/kg	0.039	0.012	1	06/26/17 17:30	06/30/17 05:39	120-12-7	
Benzo(a)anthracene	0.029 I	mg/kg	0.039	0.011	1	06/26/17 17:30	06/30/17 05:39	56-55-3	
Benzo(a)pyrene	0.036 I	mg/kg	0.039	0.0046	1	06/26/17 17:30	06/30/17 05:39	50-32-8	
Benzo(b)fluoranthene	0.046	mg/kg	0.039	0.030	1	06/26/17 17:30	06/30/17 05:39	205-99-2	
Benzo(g,h,i)perylene	0.031 I	mg/kg	0.039	0.014	1	06/26/17 17:30	06/30/17 05:39	191-24-2	
Benzo(k)fluoranthene	0.028 I	mg/kg	0.039	0.0086	1	06/26/17 17:30	06/30/17 05:39	207-08-9	
Chrysene	0.033 I	mg/kg	0.039	0.014	1	06/26/17 17:30	06/30/17 05:39	218-01-9	
Dibenz(a,h)anthracene	0.039 I	mg/kg	0.039	0.020	1	06/26/17 17:30	06/30/17 05:39	53-70-3	
Fluoranthene	0.046	mg/kg	0.039	0.013	1	06/26/17 17:30	06/30/17 05:39	206-44-0	
Fluorene	0.018 U	mg/kg	0.039	0.018	1	06/26/17 17:30	06/30/17 05:39	86-73-7	
Indeno(1,2,3-cd)pyrene	0.025 I	mg/kg	0.039	0.020	1	06/26/17 17:30	06/30/17 05:39	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.039	0.014	1	06/26/17 17:30	06/30/17 05:39	90-12-0	
2-Methylnaphthalene	0.016 U	mg/kg	0.039	0.016	1	06/26/17 17:30	06/30/17 05:39	91-57-6	
Naphthalene	0.013 U	mg/kg	0.039	0.013	1	06/26/17 17:30	06/30/17 05:39	91-20-3	
Phenanthrene	0.015 U	mg/kg	0.039	0.015	1	06/26/17 17:30	06/30/17 05:39	85-01-8	
Pyrene	0.040	mg/kg	0.039	0.020	1	06/26/17 17:30	06/30/17 05:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	76	%	16-123		1	06/26/17 17:30	06/30/17 05:39	4165-60-0	
2-Fluorobiphenyl (S)	74	%	32-129		1	06/26/17 17:30	06/30/17 05:39	321-60-8	
Terphenyl-d14 (S)	59	%	38-138		1	06/26/17 17:30	06/30/17 05:39	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	630-20-6	
1,1,1-Trichloroethane	0.0031 U	mg/kg	0.0056	0.0031	1		06/27/17 02:58	71-55-6	
1,1,2,2-Tetrachloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	79-34-5	
1,1,2-Trichloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	79-00-5	
1,1-Dichloroethane	0.0031 U	mg/kg	0.0056	0.0031	1		06/27/17 02:58	75-34-3	
1,1-Dichloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	75-35-4	
1,1-Dichloropropene	0.0029 U	mg/kg	0.0056	0.0029	1		06/27/17 02:58	563-58-6	
1,2,3-Trichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	87-61-6	
1,2,3-Trichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	96-18-4	
1,2,3-Trimethylbenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	526-73-8	N2
1,2,4-Trichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	120-82-1	
1,2,4-Trimethylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/27/17 02:58	95-63-6	
1,2-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	95-50-1	
1,2-Dichloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	107-06-2	
1,2-Dichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	78-87-5	
1,3,5-Trimethylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/27/17 02:58	108-67-8	
1,3-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	541-73-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 (0-6")** Lab ID: **35319891025** Collected: 06/21/17 16:29 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	142-28-9	
1,4-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	106-46-7	
2,2-Dichloropropane	0.0029 U	mg/kg	0.0056	0.0029	1		06/27/17 02:58	594-20-7	
2-Butanone (MEK)	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	95-49-8	
2-Hexanone	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	591-78-6	
4-Chlorotoluene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	108-10-1	
Acetone	0.052	mg/kg	0.023	0.011	1		06/27/17 02:58	67-64-1	
Acetonitrile	0.028 U	mg/kg	0.056	0.028	1		06/27/17 02:58	75-05-8	
Benzene	0.0029 U	mg/kg	0.0056	0.0029	1		06/27/17 02:58	71-43-2	
Bromobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	108-86-1	
Bromochloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	74-97-5	
Bromodichloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	75-27-4	
Bromoform	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	75-25-2	
Bromomethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	74-83-9	
Carbon disulfide	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	75-15-0	
Carbon tetrachloride	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	56-23-5	
Chlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	108-90-7	
Chloroethane	0.0040 U	mg/kg	0.0056	0.0040	1		06/27/17 02:58	75-00-3	
Chloroform	0.0033 U	mg/kg	0.0056	0.0033	1		06/27/17 02:58	67-66-3	
Chloromethane	0.0032 U	mg/kg	0.0056	0.0032	1		06/27/17 02:58	74-87-3	
Dibromochloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	124-48-1	
Dibromomethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	74-95-3	
Dichlorodifluoromethane	0.0030 U	mg/kg	0.0056	0.0030	1		06/27/17 02:58	75-71-8	
Ethylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/27/17 02:58	100-41-4	
Iodomethane	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	74-88-4	
Isopropylbenzene (Cumene)	0.0033 U	mg/kg	0.0056	0.0033	1		06/27/17 02:58	98-82-8	
Methyl-tert-butyl ether	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	1634-04-4	
Methylene Chloride	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	75-09-2	
Styrene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	100-42-5	
Tetrachloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	127-18-4	
Toluene	0.0030 U	mg/kg	0.0056	0.0030	1		06/27/17 02:58	108-88-3	
Trichloroethene	0.0032 U	mg/kg	0.0056	0.0032	1		06/27/17 02:58	79-01-6	
Trichlorofluoromethane	0.0031 U	mg/kg	0.0056	0.0031	1		06/27/17 02:58	75-69-4	
Vinyl acetate	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	108-05-4	
Vinyl chloride	0.0030 U	mg/kg	0.0056	0.0030	1		06/27/17 02:58	75-01-4	
Xylene (Total)	0.0058 U	mg/kg	0.017	0.0058	1		06/27/17 02:58	1330-20-7	
cis-1,2-Dichloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	156-59-2	
cis-1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	10061-01-5	
m&p-Xylene	0.0058 U	mg/kg	0.011	0.0058	1		06/27/17 02:58	179601-23-1	
n-Butylbenzene	0.0034 U	mg/kg	0.0056	0.0034	1		06/27/17 02:58	104-51-8	
n-Propylbenzene	0.0030 U	mg/kg	0.0056	0.0030	1		06/27/17 02:58	103-65-1	
o-Xylene	0.0029 U	mg/kg	0.0056	0.0029	1		06/27/17 02:58	95-47-6	
p-Isopropyltoluene	0.0034 U	mg/kg	0.0056	0.0034	1		06/27/17 02:58	99-87-6	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 (0-6") **Lab ID: 35319891025** Collected: 06/21/17 16:29 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0033 U	mg/kg	0.0056	0.0033	1		06/27/17 02:58	135-98-8	
tert-Butylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		06/27/17 02:58	98-06-6	
trans-1,2-Dichloroethene	0.0034 U	mg/kg	0.0056	0.0034	1		06/27/17 02:58	156-60-5	
trans-1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		06/27/17 02:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/27/17 02:58	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-131		1		06/27/17 02:58	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/27/17 02:58	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.9	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Sample: SB-25 (6"-2') **Lab ID: 35319891026** Collected: 06/21/17 16:29 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	36.5	mg/kg	0.72	0.36	1	06/26/17 15:00	06/27/17 05:11	7440-38-2	
Lead	15.2	mg/kg	0.72	0.36	1	06/26/17 15:00	06/27/17 05:11	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/10/17 16:16									
Arsenic	0.038	mg/L	0.010	0.0050	1	07/12/17 04:12	07/12/17 20:55	7440-38-2	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.032 U	mg/kg	0.088	0.032	1	06/26/17 17:30	06/30/17 06:01	83-32-9	D3
Acenaphthylene	0.031 I	mg/kg	0.088	0.027	1	06/26/17 17:30	06/30/17 06:01	208-96-8	D3
Anthracene	0.027 U	mg/kg	0.088	0.027	1	06/26/17 17:30	06/30/17 06:01	120-12-7	D3
Benzo(a)anthracene	0.076 I	mg/kg	0.088	0.026	1	06/26/17 17:30	06/30/17 06:01	56-55-3	D3
Benzo(a)pyrene	0.087 I	mg/kg	0.088	0.010	1	06/26/17 17:30	06/30/17 06:01	50-32-8	D3
Benzo(b)fluoranthene	0.14	mg/kg	0.088	0.066	1	06/26/17 17:30	06/30/17 06:01	205-99-2	D3
Benzo(g,h,i)perylene	0.078 I	mg/kg	0.088	0.032	1	06/26/17 17:30	06/30/17 06:01	191-24-2	D3
Benzo(k)fluoranthene	0.059 I	mg/kg	0.088	0.019	1	06/26/17 17:30	06/30/17 06:01	207-08-9	D3
Chrysene	0.092	mg/kg	0.088	0.031	1	06/26/17 17:30	06/30/17 06:01	218-01-9	D3
Dibenz(a,h)anthracene	0.092	mg/kg	0.088	0.044	1	06/26/17 17:30	06/30/17 06:01	53-70-3	D3
Fluoranthene	0.12	mg/kg	0.088	0.029	1	06/26/17 17:30	06/30/17 06:01	206-44-0	D3
Fluorene	0.040 U	mg/kg	0.088	0.040	1	06/26/17 17:30	06/30/17 06:01	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.065 I	mg/kg	0.088	0.044	1	06/26/17 17:30	06/30/17 06:01	193-39-5	D3
1-Methylnaphthalene	0.031 U	mg/kg	0.088	0.031	1	06/26/17 17:30	06/30/17 06:01	90-12-0	D3
2-Methylnaphthalene	0.036 U	mg/kg	0.088	0.036	1	06/26/17 17:30	06/30/17 06:01	91-57-6	D3
Naphthalene	0.028 U	mg/kg	0.088	0.028	1	06/26/17 17:30	06/30/17 06:01	91-20-3	D3
Phenanthrene	0.033 U	mg/kg	0.088	0.033	1	06/26/17 17:30	06/30/17 06:01	85-01-8	D3
Pyrene	0.12	mg/kg	0.088	0.044	1	06/26/17 17:30	06/30/17 06:01	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	74	%	16-123		1	06/26/17 17:30	06/30/17 06:01	4165-60-0	
2-Fluorobiphenyl (S)	71	%	32-129		1	06/26/17 17:30	06/30/17 06:01	321-60-8	
Terphenyl-d14 (S)	34	%	38-138		1	06/26/17 17:30	06/30/17 06:01	1718-51-0	J(S0)
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	630-20-6	
1,1,1-Trichloroethane	0.0032 U	mg/kg	0.0059	0.0032	1		06/27/17 03:22	71-55-6	
1,1,2,2-Tetrachloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	79-34-5	
1,1,2-Trichloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	79-00-5	
1,1-Dichloroethane	0.0032 U	mg/kg	0.0059	0.0032	1		06/27/17 03:22	75-34-3	
1,1-Dichloroethene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	75-35-4	
1,1-Dichloropropene	0.0030 U	mg/kg	0.0059	0.0030	1		06/27/17 03:22	563-58-6	
1,2,3-Trichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	87-61-6	
1,2,3-Trichloropropane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	96-18-4	
1,2,3-Trimethylbenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	526-73-8	N2
1,2,4-Trichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	120-82-1	
1,2,4-Trimethylbenzene	0.0033 U	mg/kg	0.0059	0.0033	1		06/27/17 03:22	95-63-6	
1,2-Dichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 (6"-2')** Lab ID: **35319891026** Collected: 06/21/17 16:29 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	107-06-2	
1,2-Dichloropropane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	78-87-5	
1,3,5-Trimethylbenzene	0.0034 U	mg/kg	0.0059	0.0034	1		06/27/17 03:22	108-67-8	
1,3-Dichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	541-73-1	
1,3-Dichloropropane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	142-28-9	
1,4-Dichlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0059	0.0031	1		06/27/17 03:22	594-20-7	
2-Butanone (MEK)	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0059	0.0030	1		06/27/17 03:22	95-49-8	
2-Hexanone	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	591-78-6	
4-Chlorotoluene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	108-10-1	
Acetone	0.14	mg/kg	0.024	0.012	1		06/27/17 03:22	67-64-1	
Acetonitrile	0.029 U	mg/kg	0.059	0.029	1		06/27/17 03:22	75-05-8	
Benzene	0.0030 U	mg/kg	0.0059	0.0030	1		06/27/17 03:22	71-43-2	
Bromobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	108-86-1	
Bromochloromethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	74-97-5	
Bromodichloromethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	75-27-4	
Bromoform	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	75-25-2	
Bromomethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	74-83-9	
Carbon disulfide	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	75-15-0	
Carbon tetrachloride	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	56-23-5	
Chlorobenzene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	108-90-7	
Chloroethane	0.0042 U	mg/kg	0.0059	0.0042	1		06/27/17 03:22	75-00-3	
Chloroform	0.0035 U	mg/kg	0.0059	0.0035	1		06/27/17 03:22	67-66-3	
Chloromethane	0.0033 U	mg/kg	0.0059	0.0033	1		06/27/17 03:22	74-87-3	
Dibromochloromethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	124-48-1	
Dibromomethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	74-95-3	
Dichlorodifluoromethane	0.0031 U	mg/kg	0.0059	0.0031	1		06/27/17 03:22	75-71-8	
Ethylbenzene	0.0033 U	mg/kg	0.0059	0.0033	1		06/27/17 03:22	100-41-4	
Iodomethane	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	74-88-4	
Isopropylbenzene (Cumene)	0.0034 U	mg/kg	0.0059	0.0034	1		06/27/17 03:22	98-82-8	
Methyl-tert-butyl ether	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	1634-04-4	
Methylene Chloride	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	75-09-2	
Styrene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	100-42-5	
Tetrachloroethene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	127-18-4	
Toluene	0.0032 U	mg/kg	0.0059	0.0032	1		06/27/17 03:22	108-88-3	
Trichloroethene	0.0033 U	mg/kg	0.0059	0.0033	1		06/27/17 03:22	79-01-6	
Trichlorofluoromethane	0.0032 U	mg/kg	0.0059	0.0032	1		06/27/17 03:22	75-69-4	
Vinyl acetate	0.0030 U	mg/kg	0.0059	0.0030	1		06/27/17 03:22	108-05-4	
Vinyl chloride	0.0032 U	mg/kg	0.0059	0.0032	1		06/27/17 03:22	75-01-4	
Xylene (Total)	0.0061 U	mg/kg	0.018	0.0061	1		06/27/17 03:22	1330-20-7	
cis-1,2-Dichloroethene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	156-59-2	
cis-1,3-Dichloropropene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	10061-01-5	
m&p-Xylene	0.0061 U	mg/kg	0.012	0.0061	1		06/27/17 03:22	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 (6"-2') **Lab ID: 35319891026** Collected: 06/21/17 16:29 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0035 U	mg/kg	0.0059	0.0035	1		06/27/17 03:22	104-51-8	
n-Propylbenzene	0.0031 U	mg/kg	0.0059	0.0031	1		06/27/17 03:22	103-65-1	
o-Xylene	0.0030 U	mg/kg	0.0059	0.0030	1		06/27/17 03:22	95-47-6	
p-Isopropyltoluene	0.0035 U	mg/kg	0.0059	0.0035	1		06/27/17 03:22	99-87-6	
sec-Butylbenzene	0.0034 U	mg/kg	0.0059	0.0034	1		06/27/17 03:22	135-98-8	
tert-Butylbenzene	0.0034 U	mg/kg	0.0059	0.0034	1		06/27/17 03:22	98-06-6	
trans-1,2-Dichloroethene	0.0036 U	mg/kg	0.0059	0.0036	1		06/27/17 03:22	156-60-5	
trans-1,3-Dichloropropene	0.0029 U	mg/kg	0.0059	0.0029	1		06/27/17 03:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	55-148		1		06/27/17 03:22	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	80-131		1		06/27/17 03:22	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/27/17 03:22	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	27.0	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 W25 (0-6") **Lab ID: 35319891027** Collected: 06/21/17 16:42 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.6	mg/kg	0.51	0.25	1	06/26/17 15:00	06/27/17 05:17	7440-38-2	
Lead	7.9	mg/kg	0.51	0.25	1	06/26/17 15:00	06/27/17 05:17	7439-92-1	
8270 MSSV Short List Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	0.014 U	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 06:24	83-32-9	
Acenaphthylene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 06:24	208-96-8	
Anthracene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 06:24	120-12-7	
Benzo(a)anthracene	0.038	mg/kg	0.038	0.011	1	06/26/17 17:30	06/30/17 06:24	56-55-3	
Benzo(a)pyrene	0.048	mg/kg	0.038	0.0044	1	06/26/17 17:30	06/30/17 06:24	50-32-8	
Benzo(b)fluoranthene	0.070	mg/kg	0.038	0.028	1	06/26/17 17:30	06/30/17 06:24	205-99-2	
Benzo(g,h,i)perylene	0.043	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 06:24	191-24-2	
Benzo(k)fluoranthene	0.038	mg/kg	0.038	0.0082	1	06/26/17 17:30	06/30/17 06:24	207-08-9	
Chrysene	0.055	mg/kg	0.038	0.013	1	06/26/17 17:30	06/30/17 06:24	218-01-9	
Dibenz(a,h)anthracene	0.038	mg/kg	0.038	0.019	1	06/26/17 17:30	06/30/17 06:24	53-70-3	
Fluoranthene	0.092	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 06:24	206-44-0	
Fluorene	0.017 U	mg/kg	0.038	0.017	1	06/26/17 17:30	06/30/17 06:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.035 I	mg/kg	0.038	0.019	1	06/26/17 17:30	06/30/17 06:24	193-39-5	
1-Methylnaphthalene	0.013 U	mg/kg	0.038	0.013	1	06/26/17 17:30	06/30/17 06:24	90-12-0	
2-Methylnaphthalene	0.015 U	mg/kg	0.038	0.015	1	06/26/17 17:30	06/30/17 06:24	91-57-6	
Naphthalene	0.012 U	mg/kg	0.038	0.012	1	06/26/17 17:30	06/30/17 06:24	91-20-3	
Phenanthrene	0.039	mg/kg	0.038	0.014	1	06/26/17 17:30	06/30/17 06:24	85-01-8	
Pyrene	0.078	mg/kg	0.038	0.019	1	06/26/17 17:30	06/30/17 06:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/26/17 17:30	06/30/17 06:24	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/26/17 17:30	06/30/17 06:24	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/26/17 17:30	06/30/17 06:24	1718-51-0	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	630-20-6	
1,1,1-Trichloroethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/27/17 03:45	71-55-6	
1,1,2,2-Tetrachloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	79-34-5	
1,1,2-Trichloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	79-00-5	
1,1-Dichloroethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/27/17 03:45	75-34-3	
1,1-Dichloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	75-35-4	
1,1-Dichloropropene	0.0033 U	mg/kg	0.0065	0.0033	1		06/27/17 03:45	563-58-6	
1,2,3-Trichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	87-61-6	
1,2,3-Trichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	96-18-4	
1,2,3-Trimethylbenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	526-73-8	N2
1,2,4-Trichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	120-82-1	
1,2,4-Trimethylbenzene	0.0036 U	mg/kg	0.0065	0.0036	1		06/27/17 03:45	95-63-6	
1,2-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	95-50-1	
1,2-Dichloroethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	107-06-2	
1,2-Dichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	78-87-5	
1,3,5-Trimethylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/27/17 03:45	108-67-8	
1,3-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 W25 (0-6")** Lab ID: **35319891027** Collected: 06/21/17 16:42 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	142-28-9	
1,4-Dichlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	106-46-7	
2,2-Dichloropropane	0.0033 U	mg/kg	0.0065	0.0033	1		06/27/17 03:45	594-20-7	
2-Butanone (MEK)	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	78-93-3	
2-Chlorotoluene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	95-49-8	
2-Hexanone	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	591-78-6	
4-Chlorotoluene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	108-10-1	
Acetone	0.10	mg/kg	0.026	0.013	1		06/27/17 03:45	67-64-1	
Acetonitrile	0.032 U	mg/kg	0.065	0.032	1		06/27/17 03:45	75-05-8	
Benzene	0.0033 U	mg/kg	0.0065	0.0033	1		06/27/17 03:45	71-43-2	
Bromobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	108-86-1	
Bromochloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	74-97-5	
Bromodichloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	75-27-4	
Bromoform	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	75-25-2	
Bromomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	74-83-9	
Carbon disulfide	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	75-15-0	
Carbon tetrachloride	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	56-23-5	
Chlorobenzene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	108-90-7	
Chloroethane	0.0046 U	mg/kg	0.0065	0.0046	1		06/27/17 03:45	75-00-3	
Chloroform	0.0038 U	mg/kg	0.0065	0.0038	1		06/27/17 03:45	67-66-3	
Chloromethane	0.0036 U	mg/kg	0.0065	0.0036	1		06/27/17 03:45	74-87-3	
Dibromochloromethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	124-48-1	
Dibromomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	74-95-3	
Dichlorodifluoromethane	0.0034 U	mg/kg	0.0065	0.0034	1		06/27/17 03:45	75-71-8	
Ethylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/27/17 03:45	100-41-4	
Iodomethane	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	74-88-4	
Isopropylbenzene (Cumene)	0.0037 U	mg/kg	0.0065	0.0037	1		06/27/17 03:45	98-82-8	
Methyl-tert-butyl ether	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	1634-04-4	
Methylene Chloride	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	75-09-2	
Styrene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	100-42-5	
Tetrachloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	127-18-4	
Toluene	0.0035 U	mg/kg	0.0065	0.0035	1		06/27/17 03:45	108-88-3	
Trichloroethene	0.0036 U	mg/kg	0.0065	0.0036	1		06/27/17 03:45	79-01-6	
Trichlorofluoromethane	0.0035 U	mg/kg	0.0065	0.0035	1		06/27/17 03:45	75-69-4	
Vinyl acetate	0.0033 U	mg/kg	0.0065	0.0033	1		06/27/17 03:45	108-05-4	
Vinyl chloride	0.0035 U	mg/kg	0.0065	0.0035	1		06/27/17 03:45	75-01-4	
Xylene (Total)	0.0066 U	mg/kg	0.019	0.0066	1		06/27/17 03:45	1330-20-7	
cis-1,2-Dichloroethene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	156-59-2	
cis-1,3-Dichloropropene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	10061-01-5	
m&p-Xylene	0.0066 U	mg/kg	0.013	0.0066	1		06/27/17 03:45	179601-23-1	
n-Butylbenzene	0.0039 U	mg/kg	0.0065	0.0039	1		06/27/17 03:45	104-51-8	
n-Propylbenzene	0.0034 U	mg/kg	0.0065	0.0034	1		06/27/17 03:45	103-65-1	
o-Xylene	0.0033 U	mg/kg	0.0065	0.0033	1		06/27/17 03:45	95-47-6	
p-Isopropyltoluene	0.0039 U	mg/kg	0.0065	0.0039	1		06/27/17 03:45	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 W25 (0-6") **Lab ID: 35319891027** Collected: 06/21/17 16:42 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/27/17 03:45	135-98-8	
tert-Butylbenzene	0.0037 U	mg/kg	0.0065	0.0037	1		06/27/17 03:45	98-06-6	
trans-1,2-Dichloroethene	0.0039 U	mg/kg	0.0065	0.0039	1		06/27/17 03:45	156-60-5	
trans-1,3-Dichloropropene	0.0032 U	mg/kg	0.0065	0.0032	1		06/27/17 03:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		06/27/17 03:45	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/27/17 03:45	17060-07-0	
Toluene-d8 (S)	100	%	84-117		1		06/27/17 03:45	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.4	%	0.10	0.10	1		06/29/17 14:29		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 W25 (6"-2')** Lab ID: **35319891028** Collected: 06/21/17 16:44 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.9	mg/kg	0.51	0.26	1	06/26/17 15:00	06/27/17 05:22	7440-38-2	
Lead	9.5	mg/kg	0.51	0.26	1	06/26/17 15:00	06/27/17 05:22	7439-92-1	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.026 U	mg/kg	0.072	0.026	1	06/26/17 17:30	06/30/17 06:46	83-32-9	D3
Acenaphthylene	0.022 U	mg/kg	0.072	0.022	1	06/26/17 17:30	06/30/17 06:46	208-96-8	D3
Anthracene	0.022 U	mg/kg	0.072	0.022	1	06/26/17 17:30	06/30/17 06:46	120-12-7	D3
Benzo(a)anthracene	0.043 I	mg/kg	0.072	0.021	1	06/26/17 17:30	06/30/17 06:46	56-55-3	D3
Benzo(a)pyrene	0.049 I	mg/kg	0.072	0.0084	1	06/26/17 17:30	06/30/17 06:46	50-32-8	D3
Benzo(b)fluoranthene	0.064 I	mg/kg	0.072	0.054	1	06/26/17 17:30	06/30/17 06:46	205-99-2	D3
Benzo(g,h,i)perylene	0.036 I	mg/kg	0.072	0.026	1	06/26/17 17:30	06/30/17 06:46	191-24-2	D3
Benzo(k)fluoranthene	0.028 I	mg/kg	0.072	0.016	1	06/26/17 17:30	06/30/17 06:46	207-08-9	D3
Chrysene	0.045 I	mg/kg	0.072	0.026	1	06/26/17 17:30	06/30/17 06:46	218-01-9	D3
Dibenz(a,h)anthracene	0.067 I	mg/kg	0.072	0.036	1	06/26/17 17:30	06/30/17 06:46	53-70-3	D3
Fluoranthene	0.066 I	mg/kg	0.072	0.023	1	06/26/17 17:30	06/30/17 06:46	206-44-0	D3
Fluorene	0.032 U	mg/kg	0.072	0.032	1	06/26/17 17:30	06/30/17 06:46	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.036 U	mg/kg	0.072	0.036	1	06/26/17 17:30	06/30/17 06:46	193-39-5	D3
1-Methylnaphthalene	0.025 U	mg/kg	0.072	0.025	1	06/26/17 17:30	06/30/17 06:46	90-12-0	D3
2-Methylnaphthalene	0.029 U	mg/kg	0.072	0.029	1	06/26/17 17:30	06/30/17 06:46	91-57-6	D3
Naphthalene	0.023 U	mg/kg	0.072	0.023	1	06/26/17 17:30	06/30/17 06:46	91-20-3	D3
Phenanthrene	0.027 U	mg/kg	0.072	0.027	1	06/26/17 17:30	06/30/17 06:46	85-01-8	D3
Pyrene	0.065 I	mg/kg	0.072	0.036	1	06/26/17 17:30	06/30/17 06:46	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	86	%	16-123		1	06/26/17 17:30	06/30/17 06:46	4165-60-0	
2-Fluorobiphenyl (S)	82	%	32-129		1	06/26/17 17:30	06/30/17 06:46	321-60-8	
Terphenyl-d14 (S)	81	%	38-138		1	06/26/17 17:30	06/30/17 06:46	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	630-20-6	
1,1,1-Trichloroethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/27/17 04:08	71-55-6	
1,1,2,2-Tetrachloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	79-34-5	
1,1,2-Trichloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	79-00-5	
1,1-Dichloroethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/27/17 04:08	75-34-3	
1,1-Dichloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	75-35-4	
1,1-Dichloropropene	0.0024 U	mg/kg	0.0046	0.0024	1		06/27/17 04:08	563-58-6	
1,2,3-Trichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	87-61-6	
1,2,3-Trichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	96-18-4	
1,2,3-Trimethylbenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	526-73-8	N2
1,2,4-Trichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	120-82-1	
1,2,4-Trimethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/27/17 04:08	95-63-6	
1,2-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	95-50-1	
1,2-Dichloroethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	107-06-2	
1,2-Dichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	78-87-5	
1,3,5-Trimethylbenzene	0.0027 U	mg/kg	0.0046	0.0027	1		06/27/17 04:08	108-67-8	
1,3-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: **SB-25 W25 (6"-2')** Lab ID: **35319891028** Collected: 06/21/17 16:44 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,3-Dichloropropane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	142-28-9	
1,4-Dichlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	106-46-7	
2,2-Dichloropropane	0.0024 U	mg/kg	0.0046	0.0024	1		06/27/17 04:08	594-20-7	
2-Butanone (MEK)	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	78-93-3	
2-Chlorotoluene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	95-49-8	
2-Hexanone	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	591-78-6	
4-Chlorotoluene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	108-10-1	
Acetone	0.038	mg/kg	0.018	0.0092	1		06/27/17 04:08	67-64-1	
Acetonitrile	0.023 U	mg/kg	0.046	0.023	1		06/27/17 04:08	75-05-8	
Benzene	0.0024 U	mg/kg	0.0046	0.0024	1		06/27/17 04:08	71-43-2	
Bromobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	108-86-1	
Bromochloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	74-97-5	
Bromodichloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	75-27-4	
Bromoform	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	75-25-2	
Bromomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	74-83-9	
Carbon disulfide	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	75-15-0	
Carbon tetrachloride	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	56-23-5	
Chlorobenzene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	108-90-7	
Chloroethane	0.0033 U	mg/kg	0.0046	0.0033	1		06/27/17 04:08	75-00-3	
Chloroform	0.0027 U	mg/kg	0.0046	0.0027	1		06/27/17 04:08	67-66-3	
Chloromethane	0.0026 U	mg/kg	0.0046	0.0026	1		06/27/17 04:08	74-87-3	
Dibromochloromethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	124-48-1	
Dibromomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	74-95-3	
Dichlorodifluoromethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/27/17 04:08	75-71-8	
Ethylbenzene	0.0026 U	mg/kg	0.0046	0.0026	1		06/27/17 04:08	100-41-4	
Iodomethane	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	74-88-4	
Isopropylbenzene (Cumene)	0.0027 U	mg/kg	0.0046	0.0027	1		06/27/17 04:08	98-82-8	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	1634-04-4	
Methylene Chloride	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	75-09-2	
Styrene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	100-42-5	
Tetrachloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	127-18-4	
Toluene	0.0025 U	mg/kg	0.0046	0.0025	1		06/27/17 04:08	108-88-3	
Trichloroethene	0.0026 U	mg/kg	0.0046	0.0026	1		06/27/17 04:08	79-01-6	
Trichlorofluoromethane	0.0025 U	mg/kg	0.0046	0.0025	1		06/27/17 04:08	75-69-4	
Vinyl acetate	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	108-05-4	
Vinyl chloride	0.0025 U	mg/kg	0.0046	0.0025	1		06/27/17 04:08	75-01-4	
Xylene (Total)	0.0047 U	mg/kg	0.014	0.0047	1		06/27/17 04:08	1330-20-7	
cis-1,2-Dichloroethene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	156-59-2	
cis-1,3-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	10061-01-5	
m&p-Xylene	0.0047 U	mg/kg	0.0092	0.0047	1		06/27/17 04:08	179601-23-1	
n-Butylbenzene	0.0028 U	mg/kg	0.0046	0.0028	1		06/27/17 04:08	104-51-8	
n-Propylbenzene	0.0024 U	mg/kg	0.0046	0.0024	1		06/27/17 04:08	103-65-1	
o-Xylene	0.0024 U	mg/kg	0.0046	0.0024	1		06/27/17 04:08	95-47-6	
p-Isopropyltoluene	0.0028 U	mg/kg	0.0046	0.0028	1		06/27/17 04:08	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

Sample: SB-25 W25 (6"-2') **Lab ID: 35319891028** Collected: 06/21/17 16:44 Received: 06/22/17 11:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
sec-Butylbenzene	0.0027 U	mg/kg	0.0046	0.0027	1		06/27/17 04:08	135-98-8	
tert-Butylbenzene	0.0027 U	mg/kg	0.0046	0.0027	1		06/27/17 04:08	98-06-6	
trans-1,2-Dichloroethene	0.0028 U	mg/kg	0.0046	0.0028	1		06/27/17 04:08	156-60-5	
trans-1,3-Dichloropropene	0.0023 U	mg/kg	0.0046	0.0023	1		06/27/17 04:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	55-148		1		06/27/17 04:08	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	80-131		1		06/27/17 04:08	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		06/27/17 04:08	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.6	%	0.10	0.10	1		06/29/17 14:29		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377489

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 35319891007, 35319891008, 35319891009, 35319891010

METHOD BLANK: 2045132

Matrix: Solid

Associated Lab Samples: 35319891007, 35319891008, 35319891009, 35319891010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0096	0.0048	06/28/17 13:51	

LABORATORY CONTROL SAMPLE: 2045133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.098	0.092	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2045134 2045135

Parameter	Units	2045134		2045135		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35318965001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/kg	0.48	1.2	1.2	1.4	0.063 U	75	-34	80-120	20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377314 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
 Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004, 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014, 35319891015, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020

METHOD BLANK: 2044059 Matrix: Solid
 Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004, 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014, 35319891015, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.28 U	0.56	0.28	06/27/17 07:33	
Barium	mg/kg	0.28 U	0.56	0.28	06/27/17 07:33	
Cadmium	mg/kg	0.028 U	0.056	0.028	06/27/17 07:33	
Chromium	mg/kg	0.14 U	0.28	0.14	06/27/17 07:33	
Lead	mg/kg	0.28 U	0.56	0.28	06/27/17 07:33	
Selenium	mg/kg	0.42 U	0.84	0.42	06/27/17 07:33	
Silver	mg/kg	0.14 U	0.28	0.14	06/27/17 07:33	

LABORATORY CONTROL SAMPLE: 2044060

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.2	12.9	91	80-120	
Barium	mg/kg	14.2	13.4	94	80-120	
Cadmium	mg/kg	1.4	1.5	103	80-120	
Chromium	mg/kg	14.2	15.3	108	80-120	
Lead	mg/kg	14.2	14.6	102	80-120	
Selenium	mg/kg	14.2	11.4	80	80-120	
Silver	mg/kg	1.4	1.5	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2044061 2044062

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
Arsenic	mg/kg	0.65	15.1	15	15.6	100	99	75-125	1	20	
Barium	mg/kg	6.9	15.1	15	23.9	113	90	75-125	16	20	
Cadmium	mg/kg	0.028 U	1.5	1.5	1.3	89	87	75-125	2	20	
Chromium	mg/kg	5.9	15.1	15	19.7	91	89	75-125	2	20	
Lead	mg/kg	2.8 U	15.1	15	11.5	76	79	75-125	2	20	
Selenium	mg/kg	0.43 U	15.1	15	10.4	69	73	75-125	5	20	J(M1)
Silver	mg/kg	0.14 U	1.5	1.5	2.1	137	135	75-125	2	20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377315 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
 Associated Lab Samples: 35319891021, 35319891022, 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

METHOD BLANK: 2044063 Matrix: Solid
 Associated Lab Samples: 35319891021, 35319891022, 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.29 U	0.58	0.29	06/27/17 04:06	
Lead	mg/kg	0.29 U	0.58	0.29	06/27/17 04:06	

LABORATORY CONTROL SAMPLE: 2044064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.6	14.7	100	80-120	
Lead	mg/kg	14.6	16.2	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2044065 2044066

Parameter	Units	35319827002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.27 U	14.2	15.2	13.9	14.8	97	97	75-125	7	20	
Lead	mg/kg	1.1	14.2	15.2	16.3	18.2	108	113	75-125	11	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

QC Batch: 380319 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35319891002, 35319891004, 35319891006, 35319891012, 35319891014, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022, 35319891024, 35319891026

METHOD BLANK: 2061939 Matrix: Water
Associated Lab Samples: 35319891002, 35319891004, 35319891006, 35319891012, 35319891014, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022, 35319891024, 35319891026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/12/17 19:15	

LABORATORY CONTROL SAMPLE: 2061940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.25	0.26	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2061941 2061942

Parameter	Units	35319891002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.019	.5	.5	0.27	0.28	50	53	75-125	4	20	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

QC Batch: 382457 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35319891008

METHOD BLANK: 2075454 Matrix: Water
Associated Lab Samples: 35319891008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/22/17 09:33	

LABORATORY CONTROL SAMPLE: 2075455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.25	0.26	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2075456 2075457

Parameter	Units	35318779005		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Arsenic	mg/L	0.0050 U	.25	.25	.25	0.26	0.26	103	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 380323

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 35319891011, 35319891015

METHOD BLANK: 2061961

Matrix: Water

Associated Lab Samples: 35319891011, 35319891015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.10 U	0.20	0.10	07/12/17 14:26	
Lead	mg/L	0.050 U	0.10	0.050	07/12/17 18:00	

LABORATORY CONTROL SAMPLE: 2061962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	102	80-120	
Lead	mg/L	2.5	2.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2061963 2061964

Parameter	Units	35319891011		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Arsenic	mg/L	0.10 U	2.5	2.5	2.4	2.6	97	105	75-125	8	20		
Lead	mg/L	0.48	2.5	2.5	2.9	3.2	98	107	75-125	7	20		

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 376970 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004

METHOD BLANK: 2042105 Matrix: Solid
Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Acetone	mg/kg	0.010 U	0.020	0.010	06/24/17 04:12	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/24/17 04:12	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/24/17 04:12	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

METHOD BLANK: 2042105

Matrix: Solid

Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/24/17 04:12	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Methylene Chloride	mg/kg	0.021	0.0050	0.0025	06/24/17 04:12	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/24/17 04:12	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/24/17 04:12	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/24/17 04:12	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/24/17 04:12	
Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/24/17 04:12	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/24/17 04:12	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/24/17 04:12	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/24/17 04:12	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/24/17 04:12	
1,2-Dichloroethane-d4 (S)	%	99	80-131		06/24/17 04:12	
4-Bromofluorobenzene (S)	%	100	55-148		06/24/17 04:12	
Toluene-d8 (S)	%	100	84-117		06/24/17 04:12	

LABORATORY CONTROL SAMPLE: 2042106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	100	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	100	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	101	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	107	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	101	69-130	
1,1-Dichloroethene	mg/kg	.02	0.021	107	67-130	
1,1-Dichloropropene	mg/kg	.02	0.021	106	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.021	104	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	103	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	90	67-130 N2	
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	93	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2042106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2-Dichloroethane	mg/kg	.02	0.021	104	70-130	
1,2-Dichloropropane	mg/kg	.02	0.020	101	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	96	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	101	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	103	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	101	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	94	70-130	
2-Butanone (MEK)	mg/kg	.04	0.033	84	51-161	
2-Chlorotoluene	mg/kg	.02	0.019	97	70-130	
2-Hexanone	mg/kg	.04	0.031	78	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	98	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.033	83	64-143	
Acetone	mg/kg	.04	0.042	106	32-175	
Acetonitrile	mg/kg	.2	0.17	86	68-131	
Benzene	mg/kg	.02	0.021	107	70-130	
Bromobenzene	mg/kg	.02	0.019	94	70-130	
Bromochloromethane	mg/kg	.02	0.022	109	70-130	
Bromodichloromethane	mg/kg	.02	0.019	96	70-130	
Bromoform	mg/kg	.02	0.015	74	70-130	
Bromomethane	mg/kg	.02	0.015	75	42-156	
Carbon disulfide	mg/kg	.02	0.014	71	49-152	
Carbon tetrachloride	mg/kg	.02	0.019	93	65-132	
Chlorobenzene	mg/kg	.02	0.021	103	70-130	
Chloroethane	mg/kg	.02	0.021	105	56-146	
Chloroform	mg/kg	.02	0.020	101	69-130	
Chloromethane	mg/kg	.02	0.016	82	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	101	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	98	70-130	
Dibromochloromethane	mg/kg	.02	0.019	96	70-130	
Dibromomethane	mg/kg	.02	0.021	104	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.017	84	58-138	
Ethylbenzene	mg/kg	.02	0.020	102	70-130	
Iodomethane	mg/kg	.04	0.031	78	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.020	102	70-130	
m&p-Xylene	mg/kg	.04	0.039	98	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.016	79	70-130	
Methylene Chloride	mg/kg	.02	0.025	127	40-159	
n-Butylbenzene	mg/kg	.02	0.019	94	70-130	
n-Propylbenzene	mg/kg	.02	0.020	100	70-130	
o-Xylene	mg/kg	.02	0.019	97	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	94	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	100	70-130	
Styrene	mg/kg	.02	0.020	100	70-130	
tert-Butylbenzene	mg/kg	.02	0.019	97	70-130	
Tetrachloroethene	mg/kg	.02	0.020	102	63-130	
Toluene	mg/kg	.02	0.021	103	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2042106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	mg/kg	.02	0.020	100	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	96	70-130	
Trichloroethene	mg/kg	.02	0.021	105	69-130	
Trichlorofluoromethane	mg/kg	.02	0.023	115	67-130	
Vinyl acetate	mg/kg	.02	0.017	86	53-146	
Vinyl chloride	mg/kg	.02	0.017	85	67-130	
Xylene (Total)	mg/kg	.06	0.059	98	70-130	
1,2-Dichloroethane-d4 (S)	%			99	80-131	
4-Bromofluorobenzene (S)	%			101	55-148	
Toluene-d8 (S)	%			99	84-117	

MATRIX SPIKE SAMPLE: 2043761

Parameter	Units	35319827001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0029 U	.023	0.0070	30	42-130	J(M1)
1,1,1-Trichloroethane	mg/kg	0.0032 U	.023	0.014	61	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0029 U	.023	0.010	45	50-130	J(M1)
1,1,2-Trichloroethane	mg/kg	0.0029 U	.023	0.016	67	59-130	
1,1-Dichloroethane	mg/kg	0.0032 U	.023	0.018	77	50-130	
1,1-Dichloroethene	mg/kg	0.0029 U	.023	0.020	87	51-130	
1,1-Dichloropropene	mg/kg	0.0030 U	.023	0.0094	41	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	12	20-143	J(M1)
1,2,3-Trichloropropane	mg/kg	0.0029 U	.023	0.016	69	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0029 U	.023	0.0029 U	9	20-130	J(M1),N2
1,2,4-Trichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	9	20-142	J(M1)
1,2,4-Trimethylbenzene	mg/kg	0.0033 U	.023	0.0032 U	6	20-133	J(M1)
1,2-Dichlorobenzene	mg/kg	0.0029 U	.023	0.0030 I	13	20-134	J(M1)
1,2-Dichloroethane	mg/kg	0.0029 U	.023	0.018	78	57-130	
1,2-Dichloropropane	mg/kg	0.0029 U	.023	0.014	59	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0033 U	.023	0.0033 U	7	26-130	J(M1)
1,3-Dichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	10	20-133	J(M1)
1,3-Dichloropropane	mg/kg	0.0029 U	.023	0.014	60	57-130	
1,4-Dichlorobenzene	mg/kg	0.0029 U	.023	0.0029 U	10	20-134	J(M1)
2,2-Dichloropropane	mg/kg	0.0030 U	.023	0.015	64	35-130	
2-Butanone (MEK)	mg/kg	0.0029 U	.047	0.039	85	20-217	
2-Chlorotoluene	mg/kg	0.0029 U	.023	0.0029 U	9	26-130	J(M1)
2-Hexanone	mg/kg	0.0029 U	.047	0.035	75	20-136	
4-Chlorotoluene	mg/kg	0.0029 U	.023	0.0029 U	7	21-132	J(M1)
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0029 U	.047	0.037	79	21-151	
Acetone	mg/kg	0.049	.047	0.074	54	20-219	
Acetonitrile	mg/kg	0.029 U	.23	0.20	87	32-150	
Benzene	mg/kg	0.0030 U	.023	0.012	53	24-141	
Bromobenzene	mg/kg	0.0029 U	.023	0.0042 I	18	20-138	J(M1)
Bromochloromethane	mg/kg	0.0029 U	.023	0.019	81	53-141	
Bromodichloromethane	mg/kg	0.0029 U	.023	0.012	53	20-155	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

MATRIX SPIKE SAMPLE: 2043761		35319827001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	mg/kg	0.0029 U	.023	0.0075	32	30-130	
Bromomethane	mg/kg	0.0029 U	.023	0.015	64	22-152	
Carbon disulfide	mg/kg	0.0029 U	.023	0.0089	38	20-160	
Carbon tetrachloride	mg/kg	0.0029 U	.023	0.011	47	23-141	
Chlorobenzene	mg/kg	0.0029 U	.023	0.0043 I	19	34-130	J(M1)
Chloroethane	mg/kg	0.0042 U	.023	0.022	97	43-146	
Chloroform	mg/kg	0.0034 U	.023	0.016	69	42-132	
Chloromethane	mg/kg	0.0033 U	.023	0.021	89	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0029 U	.023	0.014	62	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0029 U	.023	0.0097	42	33-132	
Dibromochloromethane	mg/kg	0.0029 U	.023	0.010	45	20-151	
Dibromomethane	mg/kg	0.0029 U	.023	0.016	71	49-137	
Dichlorodifluoromethane	mg/kg	0.0031 U	.023	0.029	126	39-130	
Ethylbenzene	mg/kg	0.0033 U	.023	0.0033 U	12	30-130	J(M1)
Iodomethane	mg/kg	0.0029 U	.047	0.028	60	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0034 U	.023	0.0034 U	7	28-130	J(M1)
m&p-Xylene	mg/kg	0.0060 U	.047	0.0060 U	10	27-150	J(M1)
Methyl-tert-butyl ether	mg/kg	0.0029 U	.023	0.016	69	31-156	
Methylene Chloride	mg/kg	0.0029 U	.023	0.016	71	20-150	
n-Butylbenzene	mg/kg	0.0035 U	.023	0.0035 U	4	20-132	J(M1)
n-Propylbenzene	mg/kg	0.0031 U	.023	0.0031 U	6	24-130	J(M1)
o-Xylene	mg/kg	0.0030 U	.023	0.0030 U	12	27-150	J(M1)
p-Isopropyltoluene	mg/kg	0.0035 U	.023	0.0035 U	4	20-133	J(M1)
sec-Butylbenzene	mg/kg	0.0034 U	.023	0.0033 U	5	20-131	J(M1)
Styrene	mg/kg	0.0029 U	.023	0.0029 U	12	20-137	J(M1)
tert-Butylbenzene	mg/kg	0.0033 U	.023	0.0033 U	5	20-131	J(M1)
Tetrachloroethene	mg/kg	0.0029 U	.023	0.0061	26	23-144	
Toluene	mg/kg	0.0031 U	.023	0.0060	25	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0035 U	.023	0.012	54	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0029 U	.023	0.0094	41	33-130	
Trichloroethene	mg/kg	0.0033 U	.023	0.011	47	42-130	
Trichlorofluoromethane	mg/kg	0.0032 U	.023	0.027	118	40-130	
Vinyl acetate	mg/kg	0.0029 U	.023	0.0052 I	22	20-156	
Vinyl chloride	mg/kg	0.0031 U	.023	0.020	87	47-130	
Xylene (Total)	mg/kg	0.0060 U	.069	0.0060 U	0	26-130	MS
1,2-Dichloroethane-d4 (S)	%				101	80-131	
4-Bromofluorobenzene (S)	%				98	55-148	
Toluene-d8 (S)	%				100	84-117	

SAMPLE DUPLICATE: 2043762

Parameter	Units	35319827002	Dup	Max	
		Result	Result	RPD	RPD
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0022 U		40
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0024 U		40
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0022 U		40

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

SAMPLE DUPLICATE: 2043762

Parameter	Units	35319827002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0022 U		40	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0024 U		40	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0022 U		40	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0023 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0022 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0022 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0047		40	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0022 U		40	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0022 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0028 U	0.0048		40	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0022 U		40	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0023 U		40	
2-Butanone (MEK)	mg/kg	0.0041 I	0.0060		40	
2-Chlorotoluene	mg/kg	0.0025 U	0.0022 U		40	
2-Hexanone	mg/kg	0.0025 U	0.0022 U		40	
4-Chlorotoluene	mg/kg	0.0025 U	0.0022 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0022 U		40	
Acetone	mg/kg	0.059	0.059	1	40	
Acetonitrile	mg/kg	0.025 U	0.022 U		40	
Benzene	mg/kg	0.0025 U	0.0023 U		40	
Bromobenzene	mg/kg	0.0025 U	0.0022 U		40	
Bromochloromethane	mg/kg	0.0025 U	0.0022 U		40	
Bromodichloromethane	mg/kg	0.0025 U	0.0022 U		40	
Bromoform	mg/kg	0.0025 U	0.0022 U		40	
Bromomethane	mg/kg	0.0025 U	0.0022 U		40	
Carbon disulfide	mg/kg	0.0025 U	0.0022 U		40	
Carbon tetrachloride	mg/kg	0.0025 U	0.0022 U		40	
Chlorobenzene	mg/kg	0.0025 U	0.0022 U		40	
Chloroethane	mg/kg	0.0036 U	0.0032 U		40	
Chloroform	mg/kg	0.0029 U	0.0026 U		40	
Chloromethane	mg/kg	0.0028 U	0.0025 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0022 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0022 U		40	
Dibromochloromethane	mg/kg	0.0025 U	0.0022 U		40	
Dibromomethane	mg/kg	0.0025 U	0.0022 U		40	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0024 U		40	
Ethylbenzene	mg/kg	0.0028 U	0.0025 U		40	
Iodomethane	mg/kg	0.0025 U	0.0022 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0028 I		40	
m&p-Xylene	mg/kg	0.0051 U	0.0045 U		40	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0022 U		40	
Methylene Chloride	mg/kg	0.0025 U	0.0022 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

SAMPLE DUPLICATE: 2043762

Parameter	Units	35319827002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Butylbenzene	mg/kg	0.021	0.051	82	40	J(D6)
n-Propylbenzene	mg/kg	0.0093	0.021	76	40	J(D6)
o-Xylene	mg/kg	0.0026 U	0.0023 U		40	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0027 U		40	
sec-Butylbenzene	mg/kg	0.0081	0.020	86	40	J(D6)
Styrene	mg/kg	0.0025 U	0.0022 U		40	
tert-Butylbenzene	mg/kg	0.0028 U	0.0025 U		40	
Tetrachloroethene	mg/kg	0.0025 U	0.0022 U		40	
Toluene	mg/kg	0.0027 U	0.0024 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0027 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0022 U		40	
Trichloroethene	mg/kg	0.0028 U	0.0025 U		40	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0024 U		40	
Vinyl acetate	mg/kg	0.0025 U	0.0022 U		40	
Vinyl chloride	mg/kg	0.0027 U	0.0024 U		40	
Xylene (Total)	mg/kg	0.0051 U	0.0045 U		40	
1,2-Dichloroethane-d4 (S)	%	96	95	12	40	
4-Bromofluorobenzene (S)	%	102	102	11	40	
Toluene-d8 (S)	%	101	101	11	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377253 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014

METHOD BLANK: 2043825 Matrix: Solid
Associated Lab Samples: 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 11:52	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 11:52	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,1-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 11:52	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 11:52	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 11:52	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Acetone	mg/kg	0.0099 U	0.020	0.0099	06/26/17 11:52	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/26/17 11:52	
Benzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/26/17 11:52	
Chloroform	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 11:52	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 11:52	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

METHOD BLANK: 2043825

Matrix: Solid

Associated Lab Samples: 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Dichlorodifluoromethane	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 11:52	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 11:52	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 11:52	
m&p-Xylene	mg/kg	0.0051 U	0.0099	0.0051	06/26/17 11:52	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 11:52	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 11:52	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 11:52	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 11:52	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 11:52	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 11:52	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 11:52	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 11:52	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 11:52	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 11:52	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 11:52	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 11:52	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/26/17 11:52	
1,2-Dichloroethane-d4 (S)	%	95	80-131		06/26/17 11:52	
4-Bromofluorobenzene (S)	%	99	55-148		06/26/17 11:52	
Toluene-d8 (S)	%	100	84-117		06/26/17 11:52	

LABORATORY CONTROL SAMPLE: 2043826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.021	104	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	102	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	101	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.022	109	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	103	69-130	
1,1-Dichloroethene	mg/kg	.02	0.023	118	67-130	
1,1-Dichloropropene	mg/kg	.02	0.022	111	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.021	106	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	106	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.018	93	67-130 N2	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2043826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	.02	0.021	106	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	96	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2-Dichloroethane	mg/kg	.02	0.020	103	70-130	
1,2-Dichloropropane	mg/kg	.02	0.020	102	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.020	99	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.021	104	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	108	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	103	70-130	
2,2-Dichloropropane	mg/kg	.02	0.020	100	70-130	
2-Butanone (MEK)	mg/kg	.04	0.035	87	51-161	
2-Chlorotoluene	mg/kg	.02	0.020	100	70-130	
2-Hexanone	mg/kg	.04	0.034	85	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	101	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.035	88	64-143	
Acetone	mg/kg	.04	0.046	115	32-175	
Acetonitrile	mg/kg	.2	0.17	86	68-131	
Benzene	mg/kg	.02	0.022	109	70-130	
Bromobenzene	mg/kg	.02	0.019	98	70-130	
Bromochloromethane	mg/kg	.02	0.022	110	70-130	
Bromodichloromethane	mg/kg	.02	0.020	100	70-130	
Bromoform	mg/kg	.02	0.015	78	70-130	
Bromomethane	mg/kg	.02	0.017	86	42-156	
Carbon disulfide	mg/kg	.02	0.016	78	49-152	
Carbon tetrachloride	mg/kg	.02	0.020	101	65-132	
Chlorobenzene	mg/kg	.02	0.021	108	70-130	
Chloroethane	mg/kg	.02	0.024	118	56-146	
Chloroform	mg/kg	.02	0.020	101	69-130	
Chloromethane	mg/kg	.02	0.020	102	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	103	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.020	102	70-130	
Dibromochloromethane	mg/kg	.02	0.020	99	70-130	
Dibromomethane	mg/kg	.02	0.021	106	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.025	128	58-138	
Ethylbenzene	mg/kg	.02	0.021	106	70-130	
Iodomethane	mg/kg	.04	0.033	84	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	105	70-130	
m&p-Xylene	mg/kg	.04	0.040	101	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.017	84	70-130	
Methylene Chloride	mg/kg	.02	0.024	120	40-159	
n-Butylbenzene	mg/kg	.02	0.019	98	70-130	
n-Propylbenzene	mg/kg	.02	0.021	103	70-130	
o-Xylene	mg/kg	.02	0.020	100	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	96	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	103	70-130	
Styrene	mg/kg	.02	0.020	103	70-130	
tert-Butylbenzene	mg/kg	.02	0.020	101	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2043826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.021	103	63-130	
Toluene	mg/kg	.02	0.021	106	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.021	105	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	100	70-130	
Trichloroethene	mg/kg	.02	0.022	111	69-130	
Trichlorofluoromethane	mg/kg	.02	0.025	126	67-130	
Vinyl acetate	mg/kg	.02	0.018	88	53-146	
Vinyl chloride	mg/kg	.02	0.021	106	67-130	
Xylene (Total)	mg/kg	.06	0.060	101	70-130	
1,2-Dichloroethane-d4 (S)	%			94	80-131	
4-Bromofluorobenzene (S)	%			103	55-148	
Toluene-d8 (S)	%			99	84-117	

MATRIX SPIKE SAMPLE: 2047052

Parameter	Units	35319891005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0021 U	.018	0.023	131	42-130	J(M1)
1,1,1-Trichloroethane	mg/kg	0.0023 U	.018	0.024	133	42-131	J(M1)
1,1,2,2-Tetrachloroethane	mg/kg	0.0021 U	.018	0.022	127	50-130	
1,1,2-Trichloroethane	mg/kg	0.0021 U	.018	0.024	138	59-130	J(M1)
1,1-Dichloroethane	mg/kg	0.0023 U	.018	0.024	133	50-130	J(M1)
1,1-Dichloroethene	mg/kg	0.0021 U	.018	0.026	148	51-130	J(M1)
1,1-Dichloropropene	mg/kg	0.0022 U	.018	0.025	141	41-130	J(M1)
1,2,3-Trichlorobenzene	mg/kg	0.0021 U	.018	0.021	118	20-143	
1,2,3-Trichloropropane	mg/kg	0.0021 U	.018	0.023	130	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0021 U	.018	0.020	113	20-130	N2
1,2,4-Trichlorobenzene	mg/kg	0.0021 U	.018	0.021	118	20-142	
1,2,4-Trimethylbenzene	mg/kg	0.0024 U	.018	0.020	115	20-133	
1,2-Dichlorobenzene	mg/kg	0.0021 U	.018	0.022	125	20-134	
1,2-Dichloroethane	mg/kg	0.0021 U	.018	0.024	133	57-130	J(M1)
1,2-Dichloropropane	mg/kg	0.0021 U	.018	0.023	132	52-130	J(M1)
1,3,5-Trimethylbenzene	mg/kg	0.0025 U	.018	0.021	121	26-130	
1,3-Dichlorobenzene	mg/kg	0.0021 U	.018	0.022	123	20-133	
1,3-Dichloropropane	mg/kg	0.0021 U	.018	0.024	136	57-130	J(M1)
1,4-Dichlorobenzene	mg/kg	0.0021 U	.018	0.022	123	20-134	
2,2-Dichloropropane	mg/kg	0.0022 U	.018	0.023	128	35-130	
2-Butanone (MEK)	mg/kg	0.0021 U	.036	0.038	107	20-217	
2-Chlorotoluene	mg/kg	0.0021 U	.018	0.022	123	26-130	
2-Hexanone	mg/kg	0.0021 U	.036	0.036	102	20-136	
4-Chlorotoluene	mg/kg	0.0021 U	.018	0.022	123	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0021 U	.036	0.037	104	21-151	
Acetone	mg/kg	0.067	.036	0.048	-55	20-219	J(M1)
Acetonitrile	mg/kg	0.021 U	.18	0.19	109	32-150	
Benzene	mg/kg	0.0022 U	.018	0.025	140	24-141	
Bromobenzene	mg/kg	0.0021 U	.018	0.021	119	20-138	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

MATRIX SPIKE SAMPLE: 2047052		35319891005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	mg/kg	0.0021 U	.018	0.026	146	53-141	J(M1)
Bromodichloromethane	mg/kg	0.0021 U	.018	0.023	127	20-155	
Bromoform	mg/kg	0.0021 U	.018	0.017	97	30-130	
Bromomethane	mg/kg	0.0021 U	.018	0.019	106	22-152	
Carbon disulfide	mg/kg	0.0021 U	.018	0.019	105	20-160	
Carbon tetrachloride	mg/kg	0.0021 U	.018	0.023	129	23-141	
Chlorobenzene	mg/kg	0.0021 U	.018	0.023	131	34-130	J(M1)
Chloroethane	mg/kg	0.0031 U	.018	0.027	153	43-146	J(M1)
Chloroform	mg/kg	0.0025 U	.018	0.023	130	42-132	
Chloromethane	mg/kg	0.0024 U	.018	0.024	133	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0021 U	.018	0.023	132	45-131	J(M1)
cis-1,3-Dichloropropene	mg/kg	0.0021 U	.018	0.023	128	33-132	
Dibromochloromethane	mg/kg	0.0021 U	.018	0.022	125	20-151	
Dibromomethane	mg/kg	0.0021 U	.018	0.024	135	49-137	
Dichlorodifluoromethane	mg/kg	0.0023 U	.018	0.030	170	39-130	J(M1)
Ethylbenzene	mg/kg	0.0024 U	.018	0.023	130	30-130	
Iodomethane	mg/kg	0.0021 U	.036	0.039	111	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0025 U	.018	0.023	129	28-130	
m&p-Xylene	mg/kg	0.0044 U	.036	0.044	125	27-150	
Methyl-tert-butyl ether	mg/kg	0.0021 U	.018	0.017	96	31-156	
Methylene Chloride	mg/kg	0.0021 U	.018	0.013	73	20-150	
n-Butylbenzene	mg/kg	0.0026 U	.018	0.020	114	20-132	
n-Propylbenzene	mg/kg	0.0023 U	.018	0.022	127	24-130	
o-Xylene	mg/kg	0.0022 U	.018	0.022	122	27-150	
p-Isopropyltoluene	mg/kg	0.0026 U	.018	0.020	115	20-133	
sec-Butylbenzene	mg/kg	0.0025 U	.018	0.022	124	20-131	
Styrene	mg/kg	0.0021 U	.018	0.023	127	20-137	
tert-Butylbenzene	mg/kg	0.0025 U	.018	0.022	123	20-131	
Tetrachloroethene	mg/kg	0.0021 U	.018	0.024	133	23-144	
Toluene	mg/kg	0.0023 U	.018	0.024	133	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0026 U	.018	0.027	153	50-130	J(M1)
trans-1,3-Dichloropropene	mg/kg	0.0021 U	.018	0.022	125	33-130	
Trichloroethene	mg/kg	0.0024 U	.018	0.025	141	42-130	J(M1)
Trichlorofluoromethane	mg/kg	0.0023 U	.018	0.029	166	40-130	J(M1)
Vinyl acetate	mg/kg	0.0022 U	.018	0.020	113	20-156	
Vinyl chloride	mg/kg	0.0023 U	.018	0.024	134	47-130	J(M1)
Xylene (Total)	mg/kg	0.0044 U	.054	0.066	124	26-130	
1,2-Dichloroethane-d4 (S)	%				97	80-131	
4-Bromofluorobenzene (S)	%				101	55-148	
Toluene-d8 (S)	%				99	84-117	

SAMPLE DUPLICATE: 2047053

Parameter	Units	35319891006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0026 U	0.0026 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

SAMPLE DUPLICATE: 2047053

Parameter	Units	35319891006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	0.0029 U	0.0028 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0026 U	0.0026 U		40	
1,1,2-Trichloroethane	mg/kg	0.0026 U	0.0026 U		40	
1,1-Dichloroethane	mg/kg	0.0029 U	0.0028 U		40	
1,1-Dichloroethene	mg/kg	0.0026 U	0.0026 U		40	
1,1-Dichloropropene	mg/kg	0.0027 U	0.0027 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0026 U	0.0026 U		40	
1,2,3-Trichloropropane	mg/kg	0.0026 U	0.0026 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0026 U	0.0026 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0026 U	0.0026 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0030 U	0.0029 U		40	
1,2-Dichlorobenzene	mg/kg	0.0026 U	0.0026 U		40	
1,2-Dichloroethane	mg/kg	0.0026 U	0.0026 U		40	
1,2-Dichloropropane	mg/kg	0.0026 U	0.0026 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0030 U	0.0030 U		40	
1,3-Dichlorobenzene	mg/kg	0.0026 U	0.0026 U		40	
1,3-Dichloropropane	mg/kg	0.0026 U	0.0026 U		40	
1,4-Dichlorobenzene	mg/kg	0.0026 U	0.0026 U		40	
2,2-Dichloropropane	mg/kg	0.0027 U	0.0027 U		40	
2-Butanone (MEK)	mg/kg	0.0026 U	0.0026 U		40	
2-Chlorotoluene	mg/kg	0.0027 U	0.0026 U		40	
2-Hexanone	mg/kg	0.0026 U	0.0026 U		40	
4-Chlorotoluene	mg/kg	0.0026 U	0.0026 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0026 U	0.0026 U		40	
Acetone	mg/kg	0.070	0.064	8	40	
Acetonitrile	mg/kg	0.026 U	0.026 U		40	
Benzene	mg/kg	0.0027 U	0.0027 U		40	
Bromobenzene	mg/kg	0.0026 U	0.0026 U		40	
Bromochloromethane	mg/kg	0.0026 U	0.0026 U		40	
Bromodichloromethane	mg/kg	0.0026 U	0.0026 U		40	
Bromoform	mg/kg	0.0026 U	0.0026 U		40	
Bromomethane	mg/kg	0.0026 U	0.0026 U		40	
Carbon disulfide	mg/kg	0.0026 U	0.0026 U		40	
Carbon tetrachloride	mg/kg	0.0026 U	0.0026 U		40	
Chlorobenzene	mg/kg	0.0026 U	0.0026 U		40	
Chloroethane	mg/kg	0.0038 U	0.0037 U		40	
Chloroform	mg/kg	0.0031 U	0.0031 U		40	
Chloromethane	mg/kg	0.0030 U	0.0029 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0026 U	0.0026 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0026 U	0.0026 U		40	
Dibromochloromethane	mg/kg	0.0026 U	0.0026 U		40	
Dibromomethane	mg/kg	0.0026 U	0.0026 U		40	
Dichlorodifluoromethane	mg/kg	0.0028 U	0.0028 U		40	
Ethylbenzene	mg/kg	0.0030 U	0.0029 U		40	
Iodomethane	mg/kg	0.0026 U	0.0026 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0031 U	0.0030 U		40	
m&p-Xylene	mg/kg	0.0054 U	0.0053 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

SAMPLE DUPLICATE: 2047053

Parameter	Units	35319891006 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	mg/kg	0.0026 U	0.0026 U		40	
Methylene Chloride	mg/kg	0.0026 U	0.0026 U		40	
n-Butylbenzene	mg/kg	0.0032 U	0.0031 U		40	
n-Propylbenzene	mg/kg	0.0028 U	0.0027 U		40	
o-Xylene	mg/kg	0.0027 U	0.0027 U		40	
p-Isopropyltoluene	mg/kg	0.0032 U	0.0031 U		40	
sec-Butylbenzene	mg/kg	0.0031 U	0.0030 U		40	
Styrene	mg/kg	0.0026 U	0.0026 U		40	
tert-Butylbenzene	mg/kg	0.0030 U	0.0030 U		40	
Tetrachloroethene	mg/kg	0.0026 U	0.0026 U		40	
Toluene	mg/kg	0.0029 U	0.0028 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0032 U	0.0032 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0026 U	0.0026 U		40	
Trichloroethene	mg/kg	0.0030 U	0.0029 U		40	
Trichlorofluoromethane	mg/kg	0.0029 U	0.0028 U		40	
Vinyl acetate	mg/kg	0.0027 U	0.0026 U		40	
Vinyl chloride	mg/kg	0.0028 U	0.0028 U		40	
Xylene (Total)	mg/kg	0.0054 U	0.0053 U		40	
1,2-Dichloroethane-d4 (S)	%	97	96	3	40	
4-Bromofluorobenzene (S)	%	100	100	2	40	
Toluene-d8 (S)	%	101	100	4	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377371 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
 Associated Lab Samples: 35319891015, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022, 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

METHOD BLANK: 2044335 Matrix: Solid
 Associated Lab Samples: 35319891015, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022, 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 21:58	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 21:58	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 21:58	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 21:58	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 21:58	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 21:58	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Acetone	mg/kg	0.010 U	0.020	0.010	06/26/17 21:58	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/26/17 21:58	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 21:58	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/26/17 21:58	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 21:58	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 21:58	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

METHOD BLANK: 2044335

Matrix: Solid

Associated Lab Samples: 35319891015, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022, 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 21:58	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 21:58	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 21:58	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/26/17 21:58	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 21:58	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 21:58	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/26/17 21:58	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 21:58	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 21:58	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/26/17 21:58	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 21:58	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/26/17 21:58	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/26/17 21:58	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 21:58	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/26/17 21:58	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/26/17 21:58	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/26/17 21:58	
1,2-Dichloroethane-d4 (S)	%	98	80-131		06/26/17 21:58	
4-Bromofluorobenzene (S)	%	97	55-148		06/26/17 21:58	
Toluene-d8 (S)	%	101	84-117		06/26/17 21:58	

LABORATORY CONTROL SAMPLE: 2044336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	101	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.021	104	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	102	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.020	103	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	102	69-130	
1,1-Dichloroethene	mg/kg	.02	0.022	110	67-130	
1,1-Dichloropropene	mg/kg	.02	0.022	112	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.021	106	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.019	97	67-130 N2	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2044336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	101	70-130	
1,2,4-Trimethylbenzene	mg/kg	.02	0.021	105	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	100	70-130	
1,2-Dichloroethane	mg/kg	.02	0.020	103	70-130	
1,2-Dichloropropane	mg/kg	.02	0.021	104	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.021	104	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,3-Dichloropropane	mg/kg	.02	0.021	105	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	102	70-130	
2,2-Dichloropropane	mg/kg	.02	0.021	105	70-130	
2-Butanone (MEK)	mg/kg	.04	0.034	87	51-161	
2-Chlorotoluene	mg/kg	.02	0.021	105	70-130	
2-Hexanone	mg/kg	.04	0.033	84	59-137	
4-Chlorotoluene	mg/kg	.02	0.020	103	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.036	90	64-143	
Acetone	mg/kg	.04	0.036	90	32-175	
Acetonitrile	mg/kg	.2	0.15	78	68-131	
Benzene	mg/kg	.02	0.022	109	70-130	
Bromobenzene	mg/kg	.02	0.020	101	70-130	
Bromochloromethane	mg/kg	.02	0.022	111	70-130	
Bromodichloromethane	mg/kg	.02	0.020	100	70-130	
Bromoform	mg/kg	.02	0.014	73	70-130	
Bromomethane	mg/kg	.02	0.018	88	42-156	
Carbon disulfide	mg/kg	.02	0.016	80	49-152	
Carbon tetrachloride	mg/kg	.02	0.020	100	65-132	
Chlorobenzene	mg/kg	.02	0.021	105	70-130	
Chloroethane	mg/kg	.02	0.024	120	56-146	
Chloroform	mg/kg	.02	0.021	104	69-130	
Chloromethane	mg/kg	.02	0.019	96	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	105	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.021	104	70-130	
Dibromochloromethane	mg/kg	.02	0.019	94	70-130	
Dibromomethane	mg/kg	.02	0.020	103	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.024	120	58-138	
Ethylbenzene	mg/kg	.02	0.021	108	70-130	
Iodomethane	mg/kg	.04	0.035	88	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	106	70-130	
m&p-Xylene	mg/kg	.04	0.042	106	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.016	81	70-130	
Methylene Chloride	mg/kg	.02	0.026	129	40-159	
n-Butylbenzene	mg/kg	.02	0.020	100	70-130	
n-Propylbenzene	mg/kg	.02	0.021	106	70-130	
o-Xylene	mg/kg	.02	0.021	105	70-130	
p-Isopropyltoluene	mg/kg	.02	0.020	99	70-130	
sec-Butylbenzene	mg/kg	.02	0.021	106	70-130	
Styrene	mg/kg	.02	0.020	102	70-130	
tert-Butylbenzene	mg/kg	.02	0.021	104	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2044336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.020	103	63-130	
Toluene	mg/kg	.02	0.021	108	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.021	107	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	102	70-130	
Trichloroethene	mg/kg	.02	0.022	110	69-130	
Trichlorofluoromethane	mg/kg	.02	0.023	118	67-130	
Vinyl acetate	mg/kg	.02	0.018	89	53-146	
Vinyl chloride	mg/kg	.02	0.020	102	67-130	
Xylene (Total)	mg/kg	.059	0.063	106	70-130	
1,2-Dichloroethane-d4 (S)	%			97	80-131	
4-Bromofluorobenzene (S)	%			98	55-148	
Toluene-d8 (S)	%			100	84-117	

MATRIX SPIKE SAMPLE: 2047076

Parameter	Units	35319891015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0027 U	.023	0.018	79	42-130	
1,1,1-Trichloroethane	mg/kg	0.0030 U	.023	0.025	108	42-131	
1,1,2,2-Tetrachloroethane	mg/kg	0.0027 U	.023	0.020	88	50-130	
1,1,2-Trichloroethane	mg/kg	0.0027 U	.023	0.022	97	59-130	
1,1-Dichloroethane	mg/kg	0.0030 U	.023	0.026	112	50-130	
1,1-Dichloroethene	mg/kg	0.0027 U	.023	0.028	121	51-130	
1,1-Dichloropropene	mg/kg	0.0028 U	.023	0.024	105	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0027 U	.023	0.0078	34	20-143	
1,2,3-Trichloropropane	mg/kg	0.0027 U	.023	0.023	100	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0027 U	.023	0.012	49	20-130 N2	
1,2,4-Trichlorobenzene	mg/kg	0.0027 U	.023	0.0079	34	20-142	
1,2,4-Trimethylbenzene	mg/kg	0.0031 U	.023	0.011	45	20-133	
1,2-Dichlorobenzene	mg/kg	0.0027 U	.023	0.012	50	20-134	
1,2-Dichloroethane	mg/kg	0.0027 U	.023	0.025	107	57-130	
1,2-Dichloropropane	mg/kg	0.0027 U	.023	0.023	99	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0032 U	.023	0.011	48	26-130	
1,3-Dichlorobenzene	mg/kg	0.0027 U	.023	0.011	46	20-133	
1,3-Dichloropropane	mg/kg	0.0027 U	.023	0.022	95	57-130	
1,4-Dichlorobenzene	mg/kg	0.0027 U	.023	0.010	45	20-134	
2,2-Dichloropropane	mg/kg	0.0028 U	.023	0.025	110	35-130	
2-Butanone (MEK)	mg/kg	0.0027 U	.046	0.049	107	20-217	
2-Chlorotoluene	mg/kg	0.0028 U	.023	0.012	53	26-130	
2-Hexanone	mg/kg	0.0027 U	.046	0.043	93	20-136	
4-Chlorotoluene	mg/kg	0.0027 U	.023	0.011	49	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0027 U	.046	0.048	103	21-151	
Acetone	mg/kg	0.23	.046	0.33	224	20-219 J(M1)	
Acetonitrile	mg/kg	0.027 U	.23	0.22	95	32-150	
Benzene	mg/kg	0.0028 U	.023	0.024	104	24-141	
Bromobenzene	mg/kg	0.0027 U	.023	0.014	62	20-138	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

MATRIX SPIKE SAMPLE: 2047076		35319891015	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	mg/kg	0.0027 U	.023	0.026	112	53-141	
Bromodichloromethane	mg/kg	0.0027 U	.023	0.021	93	20-155	
Bromoform	mg/kg	0.0027 U	.023	0.013	58	30-130	
Bromomethane	mg/kg	0.0027 U	.023	0.025	108	22-152	
Carbon disulfide	mg/kg	0.0027 U	.023	0.019	82	20-160	
Carbon tetrachloride	mg/kg	0.0027 U	.023	0.023	98	23-141	
Chlorobenzene	mg/kg	0.0027 U	.023	0.015	66	34-130	
Chloroethane	mg/kg	0.0039 U	.023	0.035	150	43-146 J(M1)	
Chloroform	mg/kg	0.0032 U	.023	0.024	106	42-132	
Chloromethane	mg/kg	0.0031 U	.023	0.028	122	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0027 U	.023	0.024	103	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0027 U	.023	0.020	89	33-132	
Dibromochloromethane	mg/kg	0.0027 U	.023	0.019	81	20-151	
Dibromomethane	mg/kg	0.0027 U	.023	0.022	96	49-137	
Dichlorodifluoromethane	mg/kg	0.0029 U	.023	0.036	157	39-130 J(M1)	
Ethylbenzene	mg/kg	0.0031 U	.023	0.015	62	30-130	
Iodomethane	mg/kg	0.0027 U	.046	0.044	95	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0032 U	.023	0.012	53	28-130	
m&p-Xylene	mg/kg	0.0056 U	.046	0.028	57	27-150	
Methyl-tert-butyl ether	mg/kg	0.0027 U	.023	0.021	93	31-156	
Methylene Chloride	mg/kg	0.0027 U	.023	0.012	53	20-150	
n-Butylbenzene	mg/kg	0.0033 U	.023	0.0071	31	20-132	
n-Propylbenzene	mg/kg	0.0029 U	.023	0.011	47	24-130	
o-Xylene	mg/kg	0.0028 U	.023	0.014	59	27-150	
p-Isopropyltoluene	mg/kg	0.0033 U	.023	0.0082	36	20-133	
sec-Butylbenzene	mg/kg	0.0032 U	.023	0.0094	41	20-131	
Styrene	mg/kg	0.0027 U	.023	0.013	54	20-137	
tert-Butylbenzene	mg/kg	0.0032 U	.023	0.011	48	20-131	
Tetrachloroethene	mg/kg	0.0027 U	.023	0.019	83	23-144	
Toluene	mg/kg	0.0030 U	.023	0.019	81	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0033 U	.023	0.024	105	50-130	
trans-1,3-Dichloropropene	mg/kg	0.0027 U	.023	0.019	84	33-130	
Trichloroethene	mg/kg	0.0031 U	.023	0.021	92	42-130	
Trichlorofluoromethane	mg/kg	0.0030 U	.023	0.034	146	40-130 J(M1)	
Vinyl acetate	mg/kg	0.0028 U	.023	0.0061	27	20-156	
Vinyl chloride	mg/kg	0.0030 U	.023	0.030	130	47-130	
Xylene (Total)	mg/kg	0.0056 U	.069	0.042	61	26-130	
1,2-Dichloroethane-d4 (S)	%				98	80-131	
4-Bromofluorobenzene (S)	%				96	55-148	
Toluene-d8 (S)	%				100	84-117	

SAMPLE DUPLICATE: 2047077

Parameter	Units	35319891016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0026 U	0.0021 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

SAMPLE DUPLICATE: 2047077

Parameter	Units	35319891016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	0.0028 U	0.0023 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0026 U	0.0021 U		40	
1,1,2-Trichloroethane	mg/kg	0.0026 U	0.0021 U		40	
1,1-Dichloroethane	mg/kg	0.0028 U	0.0023 U		40	
1,1-Dichloroethene	mg/kg	0.0026 U	0.0021 U		40	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0021 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0026 U	0.0021 U		40	
1,2,3-Trichloropropane	mg/kg	0.0026 U	0.0021 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0026 U	0.0021 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0026 U	0.0021 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0029 U	0.0023 U		40	
1,2-Dichlorobenzene	mg/kg	0.0026 U	0.0021 U		40	
1,2-Dichloroethane	mg/kg	0.0026 U	0.0021 U		40	
1,2-Dichloropropane	mg/kg	0.0026 U	0.0021 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0030 U	0.0024 U		40	
1,3-Dichlorobenzene	mg/kg	0.0026 U	0.0021 U		40	
1,3-Dichloropropane	mg/kg	0.0026 U	0.0021 U		40	
1,4-Dichlorobenzene	mg/kg	0.0026 U	0.0021 U		40	
2,2-Dichloropropane	mg/kg	0.0027 U	0.0022 U		40	
2-Butanone (MEK)	mg/kg	0.0026 U	0.0021 U		40	
2-Chlorotoluene	mg/kg	0.0026 U	0.0021 U		40	
2-Hexanone	mg/kg	0.0026 U	0.0021 U		40	
4-Chlorotoluene	mg/kg	0.0026 U	0.0021 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0026 U	0.0021 U		40	
Acetone	mg/kg	0.16	0.18	9	40	
Acetonitrile	mg/kg	0.026 U	0.021 U		40	
Benzene	mg/kg	0.0026 U	0.0021 U		40	
Bromobenzene	mg/kg	0.0026 U	0.0021 U		40	
Bromochloromethane	mg/kg	0.0026 U	0.0021 U		40	
Bromodichloromethane	mg/kg	0.0026 U	0.0021 U		40	
Bromoform	mg/kg	0.0026 U	0.0021 U		40	
Bromomethane	mg/kg	0.0026 U	0.0021 U		40	
Carbon disulfide	mg/kg	0.0026 U	0.0021 U		40	
Carbon tetrachloride	mg/kg	0.0026 U	0.0021 U		40	
Chlorobenzene	mg/kg	0.0026 U	0.0021 U		40	
Chloroethane	mg/kg	0.0037 U	0.0030 U		40	
Chloroform	mg/kg	0.0031 U	0.0025 U		40	
Chloromethane	mg/kg	0.0029 U	0.0023 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0026 U	0.0021 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0026 U	0.0021 U		40	
Dibromochloromethane	mg/kg	0.0026 U	0.0021 U		40	
Dibromomethane	mg/kg	0.0026 U	0.0021 U		40	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0022 U		40	
Ethylbenzene	mg/kg	0.0029 U	0.0024 U		40	
Iodomethane	mg/kg	0.0026 U	0.0021 U		40	
Isopropylbenzene (Cumene)	mg/kg	0.0030 U	0.0024 U		40	
m&p-Xylene	mg/kg	0.0053 U	0.0043 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

SAMPLE DUPLICATE: 2047077

Parameter	Units	35319891016 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	mg/kg	0.0026 U	0.0021 U		40	
Methylene Chloride	mg/kg	0.0026 U	0.0021 U		40	
n-Butylbenzene	mg/kg	0.0031 U	0.0025 U		40	
n-Propylbenzene	mg/kg	0.0027 U	0.0022 U		40	
o-Xylene	mg/kg	0.0027 U	0.0021 U		40	
p-Isopropyltoluene	mg/kg	0.0031 U	0.0025 U		40	
sec-Butylbenzene	mg/kg	0.0030 U	0.0024 U		40	
Styrene	mg/kg	0.0026 U	0.0021 U		40	
tert-Butylbenzene	mg/kg	0.0030 U	0.0024 U		40	
Tetrachloroethene	mg/kg	0.0026 U	0.0021 U		40	
Toluene	mg/kg	0.0028 U	0.0022 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0031 U	0.0025 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0026 U	0.0021 U		40	
Trichloroethene	mg/kg	0.0029 U	0.0023 U		40	
Trichlorofluoromethane	mg/kg	0.0028 U	0.0023 U		40	
Vinyl acetate	mg/kg	0.0026 U	0.0021 U		40	
Vinyl chloride	mg/kg	0.0028 U	0.0022 U		40	
Xylene (Total)	mg/kg	0.0053 U	0.0043 U		40	
1,2-Dichloroethane-d4 (S)	%	97	96	23	40	
4-Bromofluorobenzene (S)	%	95	96	21	40	
Toluene-d8 (S)	%	101	100	23	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377043 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004, 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014, 35319891015

METHOD BLANK: 2042674

Matrix: Solid

Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004, 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014, 35319891015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/26/17 16:52	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/26/17 16:52	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/26/17 16:52	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/26/17 16:52	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/26/17 16:52	
Benzo(a)anthracene	mg/kg	0.0095 U	0.033	0.0095	06/26/17 16:52	
Benzo(a)pyrene	mg/kg	0.0038 U	0.033	0.0038	06/26/17 16:52	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/26/17 16:52	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/26/17 16:52	
Benzo(k)fluoranthene	mg/kg	0.0071 U	0.033	0.0071	06/26/17 16:52	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/26/17 16:52	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/26/17 16:52	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/26/17 16:52	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/26/17 16:52	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/26/17 16:52	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/26/17 16:52	
Phenanthrene	mg/kg	0.012 U	0.033	0.012	06/26/17 16:52	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/26/17 16:52	
2-Fluorobiphenyl (S)	%	84	32-129		06/26/17 16:52	
Nitrobenzene-d5 (S)	%	54	16-123		06/26/17 16:52	
Terphenyl-d14 (S)	%	82	38-138		06/26/17 16:52	

LABORATORY CONTROL SAMPLE: 2042675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.5	89	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.3	76	16-137	
Acenaphthene	mg/kg	1.7	1.3	79	37-120	
Acenaphthylene	mg/kg	1.7	1.5	91	41-120	
Anthracene	mg/kg	1.7	1.5	92	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.2	74	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.5	90	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	71	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	88	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.7	102	44-126	
Chrysene	mg/kg	1.7	1.5	91	45-120	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2042675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	85	43-124	
Fluoranthene	mg/kg	1.7	1.5	88	45-120	
Fluorene	mg/kg	1.7	1.3	81	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.4	84	43-123	
Naphthalene	mg/kg	1.7	1.3	79	40-120	
Phenanthrene	mg/kg	1.7	1.3	75	36-125	
Pyrene	mg/kg	1.7	1.4	87	41-123	
2-Fluorobiphenyl (S)	%			78	32-129	
Nitrobenzene-d5 (S)	%			61	16-123	
Terphenyl-d14 (S)	%			76	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043750 2043751

Parameter	Units	35319991001		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	U	Spike Conc.	MS Result	MSD Result	% Rec	% Rec							
1-Methylnaphthalene	mg/kg	0.013	U	1.9	1.9	1.5	1.6	84	88	27-123	4	40			
2-Methylnaphthalene	mg/kg	0.015	U	1.9	1.9	1.3	1.3	71	72	16-137	2	40			
Acenaphthene	mg/kg	0.013	U	1.9	1.9	1.4	1.4	79	77	37-120	2	40			
Acenaphthylene	mg/kg	0.011	U	1.9	1.9	1.6	1.6	89	88	41-120	1	40			
Anthracene	mg/kg	0.011	U	1.9	1.9	1.6	1.5	89	85	45-120	5	40			
Benzo(a)anthracene	mg/kg	0.010	U	1.9	1.9	1.2	1.3	66	69	44-120	5	40			
Benzo(a)pyrene	mg/kg	0.0042	U	1.9	1.9	1.5	1.5	81	82	44-123	1	40			
Benzo(b)fluoranthene	mg/kg	0.027	U	1.9	1.9	1.2	1.2	66	65	37-124	1	40			
Benzo(g,h,i)perylene	mg/kg	0.013	U	1.9	1.9	1.4	1.4	77	77	42-125	0	40			
Benzo(k)fluoranthene	mg/kg	0.0077	U	1.9	1.9	1.6	1.7	90	92	44-126	2	40			
Chrysene	mg/kg	0.013	U	1.9	1.9	1.5	1.5	85	82	45-120	4	40			
Dibenz(a,h)anthracene	mg/kg	0.018	U	1.9	1.9	1.4	1.4	77	79	43-124	3	40			
Fluoranthene	mg/kg	0.012	U	1.9	1.9	1.5	1.6	84	89	45-120	5	40			
Fluorene	mg/kg	0.016	U	1.9	1.9	1.5	1.4	82	80	42-120	2	40			
Indeno(1,2,3-cd)pyrene	mg/kg	0.018	U	1.9	1.9	1.3	1.3	73	74	43-123	1	40			
Naphthalene	mg/kg	0.012	U	1.9	1.9	1.3	1.4	75	78	40-120	4	40			
Phenanthrene	mg/kg	0.014	U	1.9	1.9	1.4	1.4	76	75	36-125	1	40			
Pyrene	mg/kg	0.018	U	1.9	1.9	1.5	1.4	83	76	41-123	8	40			
2-Fluorobiphenyl (S)	%							69	70	32-129					
Nitrobenzene-d5 (S)	%							42	47	16-123					
Terphenyl-d14 (S)	%							68	60	38-138					

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377344 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022,
 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

METHOD BLANK: 2044234 Matrix: Solid
 Associated Lab Samples: 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022,
 35319891023, 35319891024, 35319891025, 35319891026, 35319891027, 35319891028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/28/17 07:46	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/28/17 07:46	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/28/17 07:46	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/28/17 07:46	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/28/17 07:46	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	06/28/17 07:46	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/28/17 07:46	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/28/17 07:46	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/28/17 07:46	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	06/28/17 07:46	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/28/17 07:46	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/28/17 07:46	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/28/17 07:46	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/28/17 07:46	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/28/17 07:46	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/28/17 07:46	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	06/28/17 07:46	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/28/17 07:46	
2-Fluorobiphenyl (S)	%	80	32-129		06/28/17 07:46	
Nitrobenzene-d5 (S)	%	75	16-123		06/28/17 07:46	
Terphenyl-d14 (S)	%	84	38-138		06/28/17 07:46	

LABORATORY CONTROL SAMPLE: 2044235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.5	87	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.4	84	16-137	
Acenaphthene	mg/kg	1.7	1.4	85	37-120	
Acenaphthylene	mg/kg	1.7	1.6	97	41-120	
Anthracene	mg/kg	1.7	1.5	93	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.4	85	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.6	96	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.5	88	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.6	97	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.6	94	44-126	
Chrysene	mg/kg	1.7	1.5	93	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	90	43-124	
Fluoranthene	mg/kg	1.7	1.7	100	45-120	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

LABORATORY CONTROL SAMPLE: 2044235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	mg/kg	1.7	1.5	91	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.6	96	43-123	
Naphthalene	mg/kg	1.7	1.4	81	40-120	
Phenanthrene	mg/kg	1.7	1.5	90	36-125	
Pyrene	mg/kg	1.7	1.4	86	41-123	
2-Fluorobiphenyl (S)	%			82	32-129	
Nitrobenzene-d5 (S)	%			67	16-123	
Terphenyl-d14 (S)	%			79	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2044423 2044424

Parameter	Units	35320001024		MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	U	Spike Conc.	MS Result	MSD Result	% Rec	% Rec	RPD	RPD				
1-Methylnaphthalene	mg/kg	0.012	U	1.8	1.8	1.2	1.4	70	80	27-123	13	40		
2-Methylnaphthalene	mg/kg	0.014	U	1.8	1.8	1.1	1.3	65	73	16-137	12	40		
Acenaphthene	mg/kg	0.013	U	1.8	1.8	1.1	1.3	65	73	37-120	10	40		
Acenaphthylene	mg/kg	0.011	U	1.8	1.8	1.3	1.5	73	84	41-120	13	40		
Anthracene	mg/kg	0.011	U	1.8	1.8	1.2	1.4	70	78	45-120	11	40		
Benzo(a)anthracene	mg/kg	0.010	U	1.8	1.8	1.1	1.2	63	71	44-120	11	40		
Benzo(a)pyrene	mg/kg	0.0041	U	1.8	1.8	1.2	1.4	70	77	44-123	9	40		
Benzo(b)fluoranthene	mg/kg	0.026	U	1.8	1.8	1.1	1.1	61	64	37-124	4	40		
Benzo(g,h,i)perylene	mg/kg	0.012	U	1.8	1.8	1.2	1.4	69	77	42-125	10	40		
Benzo(k)fluoranthene	mg/kg	0.0075	U	1.8	1.8	1.3	1.5	72	85	44-126	16	40		
Chrysene	mg/kg	0.012	U	1.8	1.8	1.2	1.4	69	78	45-120	12	40		
Dibenz(a,h)anthracene	mg/kg	0.017	U	1.8	1.8	1.1	1.3	64	74	43-124	12	40		
Fluoranthene	mg/kg	0.011	U	1.8	1.8	1.4	1.5	79	85	45-120	6	40		
Fluorene	mg/kg	0.016	U	1.8	1.8	1.2	1.4	69	78	42-120	12	40		
Indeno(1,2,3-cd)pyrene	mg/kg	0.017	U	1.8	1.8	1.2	1.3	67	76	43-123	12	40		
Naphthalene	mg/kg	0.011	U	1.8	1.8	1.1	1.3	64	73	40-120	13	40		
Phenanthrene	mg/kg	0.013	U	1.8	1.8	1.2	1.4	68	77	36-125	11	40		
Pyrene	mg/kg	0.017	U	1.8	1.8	1.2	1.3	66	74	41-123	11	40		
2-Fluorobiphenyl (S)	%							59	68	32-129				
Nitrobenzene-d5 (S)	%							52	57	16-123				
Terphenyl-d14 (S)	%							56	66	38-138				

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35319891

QC Batch: 377255

Analysis Method: FL-PRO

QC Batch Method: EPA 3546

Analysis Description: FL-PRO Soil

Associated Lab Samples: 35319891007, 35319891008, 35319891009, 35319891010

METHOD BLANK: 2043831

Matrix: Solid

Associated Lab Samples: 35319891007, 35319891008, 35319891009, 35319891010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.6 U	4.0	2.6	06/27/17 10:02	
N-Pentatriacontane (S)	%	52	42-159		06/27/17 10:02	
o-Terphenyl (S)	%	78	62-109		06/27/17 10:02	

LABORATORY CONTROL SAMPLE: 2043832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	199	158	79	63-153	
N-Pentatriacontane (S)	%			93	42-159	
o-Terphenyl (S)	%			90	62-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2043870 2043871

Parameter	Units	35320001025		MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec					
Petroleum Range Organics	mg/kg	76.3	218	215	248	251	79	81	51-215	1	25			
N-Pentatriacontane (S)	%						67	124	42-159					
o-Terphenyl (S)	%						123	124	62-109				J(S0)	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

QC Batch: 378039 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35319891001, 35319891002, 35319891003, 35319891004, 35319891005, 35319891006, 35319891007, 35319891008, 35319891009, 35319891010, 35319891011, 35319891012, 35319891013, 35319891014, 35319891015, 35319891016, 35319891017, 35319891018, 35319891019, 35319891020, 35319891021, 35319891022, 35319891023, 35319891024, 35319891025

SAMPLE DUPLICATE: 2048566

Parameter	Units	35319737001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	81.9	84.2	3	10	

SAMPLE DUPLICATE: 2048567

Parameter	Units	35319827006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	1.0	1.0	1	10	

SAMPLE DUPLICATE: 2048568

Parameter	Units	35319891008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.0	11.2	11	10	J(D6)

SAMPLE DUPLICATE: 2048569

Parameter	Units	35319891017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.4	19.6	1	10	

SAMPLE DUPLICATE: 2048570

Parameter	Units	35319891026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.0	26.4	2	10	

SAMPLE DUPLICATE: 2048571

Parameter	Units	35319965005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.5	6.0	28	10	J(D6)

SAMPLE DUPLICATE: 2048572

Parameter	Units	35319965019 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.4	28.0	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

SAMPLE DUPLICATE: 2048573

Parameter	Units	35320105007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.5	8.9	6	10	

SAMPLE DUPLICATE: 2048574

Parameter	Units	35320341001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	18.0	5	10	

SAMPLE DUPLICATE: 2048575

Parameter	Units	35320473002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	8.6	6	10	

SAMPLE DUPLICATE: 2048576

Parameter	Units	35320473011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.4	4.3	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U Compound was analyzed for but not detected.
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.
J(S5) Estimated Value. Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35319891007	SB-19 (0-6")	EPA 3546	377255	FL-PRO	377376
35319891008	SB-19 (6"-2')	EPA 3546	377255	FL-PRO	377376
35319891009	SB-21 (0-6")	EPA 3546	377255	FL-PRO	377376
35319891010	SB-21 (6"-2')	EPA 3546	377255	FL-PRO	377376
35319891001	SB-22 W25 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891002	SB-22 W25 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891003	SB-22 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891004	SB-22 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891005	SB-22 E25 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891006	SB-22 E25 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891007	SB-19 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891008	SB-19 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891009	SB-21 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891010	SB-21 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891011	SB-23 E25 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891012	SB-23 E25 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891013	SB-23 W25 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891014	SB-23 W25 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891015	SB-23 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891016	SB-23 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891017	SB-24 W25 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891018	SB-24 W25 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891019	SB-24 E25 (0-6")	EPA 3050	377314	EPA 6010	377420
35319891020	SB-24 E25 (6"-2')	EPA 3050	377314	EPA 6010	377420
35319891021	SB-24 (0-6")	EPA 3050	377315	EPA 6010	377419
35319891022	SB-24 (6"-2')	EPA 3050	377315	EPA 6010	377419
35319891023	SB-25 E25 (0-6")	EPA 3050	377315	EPA 6010	377419
35319891024	SB-25 E25 (6"-2')	EPA 3050	377315	EPA 6010	377419
35319891025	SB-25 (0-6")	EPA 3050	377315	EPA 6010	377419
35319891026	SB-25 (6"-2')	EPA 3050	377315	EPA 6010	377419
35319891027	SB-25 W25 (0-6")	EPA 3050	377315	EPA 6010	377419
35319891028	SB-25 W25 (6"-2')	EPA 3050	377315	EPA 6010	377419
35319891002	SB-22 W25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891004	SB-22 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891006	SB-22 E25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891008	SB-19 (6"-2')	EPA 3010	382457	EPA 6010	382555
35319891012	SB-23 E25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891014	SB-23 W25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891016	SB-23 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891017	SB-24 W25 (0-6")	EPA 3010	380319	EPA 6010	380374
35319891018	SB-24 W25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891019	SB-24 E25 (0-6")	EPA 3010	380319	EPA 6010	380374
35319891020	SB-24 E25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891021	SB-24 (0-6")	EPA 3010	380319	EPA 6010	380374
35319891022	SB-24 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891024	SB-25 E25 (6"-2')	EPA 3010	380319	EPA 6010	380374

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35319891026	SB-25 (6"-2')	EPA 3010	380319	EPA 6010	380374
35319891011	SB-23 E25 (0-6")	EPA 3010	380323	EPA 6010	380377
35319891015	SB-23 (0-6")	EPA 3010	380323	EPA 6010	380377
35319891007	SB-19 (0-6")	EPA 7471	377489	EPA 7471	377602
35319891008	SB-19 (6"-2')	EPA 7471	377489	EPA 7471	377602
35319891009	SB-21 (0-6")	EPA 7471	377489	EPA 7471	377602
35319891010	SB-21 (6"-2')	EPA 7471	377489	EPA 7471	377602
35319891001	SB-22 W25 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891002	SB-22 W25 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891003	SB-22 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891004	SB-22 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891005	SB-22 E25 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891006	SB-22 E25 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891007	SB-19 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891008	SB-19 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891009	SB-21 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891010	SB-21 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891011	SB-23 E25 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891012	SB-23 E25 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891013	SB-23 W25 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891014	SB-23 W25 (6"-2')	EPA 3546	377043	EPA 8270	377346
35319891015	SB-23 (0-6")	EPA 3546	377043	EPA 8270	377346
35319891016	SB-23 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891017	SB-24 W25 (0-6")	EPA 3546	377344	EPA 8270	377691
35319891018	SB-24 W25 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891019	SB-24 E25 (0-6")	EPA 3546	377344	EPA 8270	377691
35319891020	SB-24 E25 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891021	SB-24 (0-6")	EPA 3546	377344	EPA 8270	377691
35319891022	SB-24 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891023	SB-25 E25 (0-6")	EPA 3546	377344	EPA 8270	377691
35319891024	SB-25 E25 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891025	SB-25 (0-6")	EPA 3546	377344	EPA 8270	377691
35319891026	SB-25 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891027	SB-25 W25 (0-6")	EPA 3546	377344	EPA 8270	377691
35319891028	SB-25 W25 (6"-2')	EPA 3546	377344	EPA 8270	377691
35319891001	SB-22 W25 (0-6")	EPA 8260	376970		
35319891002	SB-22 W25 (6"-2')	EPA 8260	376970		
35319891003	SB-22 (0-6")	EPA 8260	376970		
35319891004	SB-22 (6"-2')	EPA 8260	376970		
35319891005	SB-22 E25 (0-6")	EPA 8260	377253		
35319891006	SB-22 E25 (6"-2')	EPA 8260	377253		
35319891007	SB-19 (0-6")	EPA 8260	377253		
35319891008	SB-19 (6"-2')	EPA 8260	377253		
35319891009	SB-21 (0-6")	EPA 8260	377253		
35319891010	SB-21 (6"-2')	EPA 8260	377253		
35319891011	SB-23 E25 (0-6")	EPA 8260	377253		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35319891

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35319891012	SB-23 E25 (6"-2')	EPA 8260	377253		
35319891013	SB-23 W25 (0-6")	EPA 8260	377253		
35319891014	SB-23 W25 (6"-2')	EPA 8260	377253		
35319891015	SB-23 (0-6")	EPA 8260	377371		
35319891016	SB-23 (6"-2')	EPA 8260	377371		
35319891017	SB-24 W25 (0-6")	EPA 8260	377371		
35319891018	SB-24 W25 (6"-2')	EPA 8260	377371		
35319891019	SB-24 E25 (0-6")	EPA 8260	377371		
35319891020	SB-24 E25 (6"-2')	EPA 8260	377371		
35319891021	SB-24 (0-6")	EPA 8260	377371		
35319891022	SB-24 (6"-2')	EPA 8260	377371		
35319891023	SB-25 E25 (0-6")	EPA 8260	377371		
35319891024	SB-25 E25 (6"-2')	EPA 8260	377371		
35319891025	SB-25 (0-6")	EPA 8260	377371		
35319891026	SB-25 (6"-2')	EPA 8260	377371		
35319891027	SB-25 W25 (0-6")	EPA 8260	377371		
35319891028	SB-25 W25 (6"-2')	EPA 8260	377371		
35319891001	SB-22 W25 (0-6")	ASTM D2974-87	378039		
35319891002	SB-22 W25 (6"-2')	ASTM D2974-87	378039		
35319891003	SB-22 (0-6")	ASTM D2974-87	378039		
35319891004	SB-22 (6"-2')	ASTM D2974-87	378039		
35319891005	SB-22 E25 (0-6")	ASTM D2974-87	378039		
35319891006	SB-22 E25 (6"-2')	ASTM D2974-87	378039		
35319891007	SB-19 (0-6")	ASTM D2974-87	378039		
35319891008	SB-19 (6"-2')	ASTM D2974-87	378039		
35319891009	SB-21 (0-6")	ASTM D2974-87	378039		
35319891010	SB-21 (6"-2')	ASTM D2974-87	378039		
35319891011	SB-23 E25 (0-6")	ASTM D2974-87	378039		
35319891012	SB-23 E25 (6"-2')	ASTM D2974-87	378039		
35319891013	SB-23 W25 (0-6")	ASTM D2974-87	378039		
35319891014	SB-23 W25 (6"-2')	ASTM D2974-87	378039		
35319891015	SB-23 (0-6")	ASTM D2974-87	378039		
35319891016	SB-23 (6"-2')	ASTM D2974-87	378039		
35319891017	SB-24 W25 (0-6")	ASTM D2974-87	378039		
35319891018	SB-24 W25 (6"-2')	ASTM D2974-87	378039		
35319891019	SB-24 E25 (0-6")	ASTM D2974-87	378039		
35319891020	SB-24 E25 (6"-2')	ASTM D2974-87	378039		
35319891021	SB-24 (0-6")	ASTM D2974-87	378039		
35319891022	SB-24 (6"-2')	ASTM D2974-87	378039		
35319891023	SB-25 E25 (0-6")	ASTM D2974-87	378039		
35319891024	SB-25 E25 (6"-2')	ASTM D2974-87	378039		
35319891025	SB-25 (0-6")	ASTM D2974-87	378039		
35319891026	SB-25 (6"-2')	ASTM D2974-87	378039		
35319891027	SB-25 W25 (0-6")	ASTM D2974-87	378039		
35319891028	SB-25 W25 (6"-2')	ASTM D2974-87	378039		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 11

Document Revised:
February 6, 2017
Issuing Authority:
Pace Florida Quality Office

WO#: 35319891

(CUR)

Project #
Project Manager:
Client:

PM: CTR Due Date: 06/29/17
CLIENT: 36-MACTEC

Date and Initials of person:
Examining contents:
Label: _____
Deliver: NMS
pH: _____

Thermometer Used: T286 Date: 6/23/17 Time: 0110 Initials: NMS

Cooler #1 Temp. °C 2.9 (Visual) +0.1 (Correction Factor) 3.0 (Actual)
Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun
- Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Shipping Method: First Overnight Priority Overnight Standard Overnight Ground Other _____
Billing: Recipient Sender Third Party Unknown

Tracking # _____
Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Ice: Wet Blue None

Packing Material: Bubble Wrap Bubble Bags None Other _____
Samples shorted to lab (if Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

	Yes	No	N/A	Comments:
Chain of Custody Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chain of Custody Filled Out	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rush TAT requested on COC	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sufficient Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Correct Containers Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All containers needing acid/base preservation have been checked	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

July 19, 2017

Ash Aitharaju
AMEC Foster Wheeler Environment &
Infrastructure
5845 NW 158th Street
Miami Lakes, FL 33014

RE: Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Dear Ash Aitharaju:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revision 1: SPLP has been removed from hold.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35320618001	SB-12 (0-6")	Solid	06/27/17 10:15	06/27/17 18:30
35320618002	SB-12 (6"-2')	Solid	06/27/17 10:20	06/27/17 18:30
35320618003	SB-14 (0-6")	Solid	06/27/17 11:05	06/27/17 18:30
35320618004	SB-14 (6"-2')	Solid	06/27/17 11:15	06/27/17 18:30
35320618005	SB-16 (0-6")	Solid	06/27/17 11:40	06/27/17 18:30
35320618006	SB-16 (6"-2')	Solid	06/27/17 11:50	06/27/17 18:30
35320618007	SB-17 (0-6")	Solid	06/27/17 12:10	06/27/17 18:30
35320618008	SB-17 (6"-2')	Solid	06/27/17 12:20	06/27/17 18:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35320618001	SB-12 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 6010	RVK	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618002	SB-12 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618003	SB-14 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618004	SB-14 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618005	SB-16 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618006	SB-16 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618007	SB-17 (0-6")	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		EPA 8260	BCH	70	PASI-O
		ASTM D2974-87	DRC	1	PASI-O
35320618008	SB-17 (6"-2')	EPA 6010	LEC	2	PASI-O
		EPA 6010	BTS	1	PASI-O
		EPA 8270	EAO	21	PASI-O
		EPA 8260	BCH	70	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	DRC	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35320618001	SB-12 (0-6")					
EPA 6010	Arsenic	30.4	mg/kg	0.58	07/06/17 05:30	
EPA 6010	Lead	75.0	mg/kg	0.58	07/06/17 05:30	
EPA 6010	Arsenic	0.037	mg/L	0.010	07/19/17 03:27	
EPA 7471	Mercury	0.0045 l	mg/kg	0.0090	06/30/17 14:15	
EPA 8270	Acenaphthylene	0.37	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Anthracene	0.23	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Benzo(a)anthracene	0.63	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Benzo(a)pyrene	0.77	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Benzo(b)fluoranthene	1.4	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Benzo(g,h,i)perylene	0.63	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Benzo(k)fluoranthene	0.48	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Chrysene	0.76	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Dibenz(a,h)anthracene	0.16	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Fluoranthene	0.86	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.52	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	1-Methylnaphthalene	0.085	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	2-Methylnaphthalene	0.11	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Naphthalene	0.10	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Phenanthrene	0.14	mg/kg	0.074	06/30/17 22:42	D3
EPA 8270	Pyrene	0.99	mg/kg	0.074	06/30/17 22:42	D3
EPA 8260	Acetone	0.11	mg/kg	0.017	07/03/17 13:49	
ASTM D2974-87	Percent Moisture	11.5	%	0.10	07/05/17 17:04	
35320618002	SB-12 (6"-2')					
EPA 6010	Arsenic	43.6	mg/kg	0.53	07/06/17 01:06	
EPA 6010	Lead	5.1	mg/kg	0.53	07/06/17 01:06	
EPA 6010	Arsenic	0.048	mg/L	0.010	07/19/17 03:57	
EPA 7471	Mercury	0.022	mg/kg	0.0084	06/30/17 14:18	
EPA 8260	Acetone	0.17	mg/kg	0.027	07/03/17 16:30	
ASTM D2974-87	Percent Moisture	4.3	%	0.10	07/05/17 17:04	
35320618003	SB-14 (0-6")					
EPA 6010	Arsenic	2.6	mg/kg	0.55	07/06/17 01:11	
EPA 6010	Lead	43.8	mg/kg	0.55	07/06/17 01:11	
EPA 8270	Acenaphthylene	0.047 l	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Anthracene	0.035 l	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Benzo(a)anthracene	0.069	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Benzo(a)pyrene	0.095	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Benzo(b)fluoranthene	0.19	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Benzo(g,h,i)perylene	0.095	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Benzo(k)fluoranthene	0.063 l	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Chrysene	0.11	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Fluoranthene	0.10	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	0.069	06/30/17 23:27	D3
EPA 8270	Pyrene	0.11	mg/kg	0.069	06/30/17 23:27	D3
ASTM D2974-87	Percent Moisture	3.4	%	0.10	07/05/17 17:04	
35320618004	SB-14 (6"-2')					
EPA 7471	Mercury	0.085	mg/kg	0.0087	06/30/17 14:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
35320618004	SB-14 (6"-2')					
EPA 8260	Acetone	0.37	mg/kg	0.022	06/30/17 09:06	J(L1)
ASTM D2974-87	Percent Moisture	7.8	%	0.10	07/05/17 17:04	
35320618005	SB-16 (0-6")					
EPA 6010	Arsenic	18.9	mg/kg	0.66	07/06/17 01:22	
EPA 6010	Lead	15.2	mg/kg	0.66	07/06/17 01:22	
EPA 6010	Arsenic	0.0083	mg/L	0.010	07/19/17 04:02	
EPA 7471	Mercury	0.087	mg/kg	0.0088	06/30/17 14:24	
EPA 8270	Acenaphthylene	0.065	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Anthracene	0.038	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Benzo(a)anthracene	0.052	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Benzo(a)pyrene	0.069	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Benzo(b)fluoranthene	0.12	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Benzo(g,h,i)perylene	0.074	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Benzo(k)fluoranthene	0.044	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Chrysene	0.051	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Fluoranthene	0.061	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.054	mg/kg	0.073	07/01/17 00:13	D3
EPA 8270	Pyrene	0.066	mg/kg	0.073	07/01/17 00:13	D3
EPA 8260	Acetone	0.54	mg/kg	0.024	07/03/17 16:53	L
ASTM D2974-87	Percent Moisture	8.8	%	0.10	07/05/17 17:04	
35320618006	SB-16 (6"-2')					
EPA 6010	Arsenic	35.8	mg/kg	0.59	07/06/17 01:27	
EPA 6010	Lead	5.7	mg/kg	0.59	07/06/17 01:27	
EPA 6010	Arsenic	0.057	mg/L	0.010	07/19/17 04:07	
EPA 8270	Benzo(a)anthracene	0.022	mg/kg	0.067	07/01/17 00:36	D3
EPA 8270	Benzo(a)pyrene	0.027	mg/kg	0.067	07/01/17 00:36	D3
EPA 8270	Benzo(g,h,i)perylene	0.028	mg/kg	0.067	07/01/17 00:36	D3
EPA 8270	Benzo(k)fluoranthene	0.024	mg/kg	0.067	07/01/17 00:36	D3
EPA 8270	Fluoranthene	0.035	mg/kg	0.067	07/01/17 00:36	D3
EPA 8260	Acetone	0.12	mg/kg	0.020	07/03/17 17:16	
ASTM D2974-87	Percent Moisture	3.0	%	0.10	07/05/17 17:05	J(D6)
35320618007	SB-17 (0-6")					
EPA 6010	Arsenic	7.1	mg/kg	0.52	07/06/17 01:32	
EPA 6010	Lead	43.3	mg/kg	0.52	07/06/17 01:32	
EPA 7471	Mercury	0.0049	mg/kg	0.0081	06/30/17 14:28	
EPA 8270	Acenaphthylene	0.033	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Benzo(a)anthracene	0.039	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Benzo(a)pyrene	0.068	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Benzo(b)fluoranthene	0.13	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Benzo(g,h,i)perylene	0.068	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Benzo(k)fluoranthene	0.053	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Chrysene	0.052	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Fluoranthene	0.059	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Indeno(1,2,3-cd)pyrene	0.056	mg/kg	0.097	07/06/17 15:13	D3
EPA 8270	Pyrene	0.071	mg/kg	0.097	07/06/17 15:13	D3
EPA 8260	Acetone	0.27	mg/kg	0.022	07/03/17 17:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35320618007	SB-17 (0-6")					
ASTM D2974-87	Percent Moisture	1.5	%	0.10	07/05/17 17:10	
35320618008	SB-17 (6"-2')					
EPA 6010	Arsenic	14.1	mg/kg	0.53	07/06/17 01:37	
EPA 6010	Lead	81.5	mg/kg	0.53	07/06/17 01:37	
EPA 6010	Arsenic	0.036	mg/L	0.010	07/19/17 04:18	
EPA 7471	Mercury	0.0093	mg/kg	0.0081	06/30/17 14:30	
EPA 8270	Acenaphthylene	0.076 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Anthracene	0.055 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Benzo(a)anthracene	0.12 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Benzo(a)pyrene	0.14 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Benzo(b)fluoranthene	0.24	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Benzo(g,h,i)perylene	0.12 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Benzo(k)fluoranthene	0.12 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Chrysene	0.13 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Fluoranthene	0.17	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Indeno(1,2,3-cd)pyrene	0.091 l	mg/kg	0.17	07/01/17 05:38	
EPA 8270	Pyrene	0.18	mg/kg	0.17	07/01/17 05:38	
EPA 8260	Acetone	0.16	mg/kg	0.018	07/03/17 18:02	
ASTM D2974-87	Percent Moisture	0.79	%	0.10	07/05/17 17:10	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-12 (0-6") **Lab ID: 35320618001** Collected: 06/27/17 10:15 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	30.4	mg/kg	0.58	0.29	1	07/04/17 10:40	07/06/17 05:30	7440-38-2	
Lead	75.0	mg/kg	0.58	0.29	1	07/04/17 10:40	07/06/17 05:30	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.037	mg/L	0.010	0.0050	1	07/15/17 10:01	07/19/17 03:27	7440-38-2	
Analytical Method: EPA 7471									
Mercury	0.0045 I	mg/kg	0.0090	0.0045	1		06/30/17 14:15	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.027 U	mg/kg	0.074	0.027	1	06/29/17 14:40	06/30/17 22:42	83-32-9	D3
Acenaphthylene	0.37	mg/kg	0.074	0.023	1	06/29/17 14:40	06/30/17 22:42	208-96-8	D3
Anthracene	0.23	mg/kg	0.074	0.023	1	06/29/17 14:40	06/30/17 22:42	120-12-7	D3
Benzo(a)anthracene	0.63	mg/kg	0.074	0.022	1	06/29/17 14:40	06/30/17 22:42	56-55-3	D3
Benzo(a)pyrene	0.77	mg/kg	0.074	0.0087	1	06/29/17 14:40	06/30/17 22:42	50-32-8	D3
Benzo(b)fluoranthene	1.4	mg/kg	0.074	0.056	1	06/29/17 14:40	06/30/17 22:42	205-99-2	D3
Benzo(g,h,i)perylene	0.63	mg/kg	0.074	0.027	1	06/29/17 14:40	06/30/17 22:42	191-24-2	D3
Benzo(k)fluoranthene	0.48	mg/kg	0.074	0.016	1	06/29/17 14:40	06/30/17 22:42	207-08-9	D3
Chrysene	0.76	mg/kg	0.074	0.026	1	06/29/17 14:40	06/30/17 22:42	218-01-9	D3
Dibenz(a,h)anthracene	0.16	mg/kg	0.074	0.037	1	06/29/17 14:40	06/30/17 22:42	53-70-3	D3
Fluoranthene	0.86	mg/kg	0.074	0.024	1	06/29/17 14:40	06/30/17 22:42	206-44-0	D3
Fluorene	0.033 U	mg/kg	0.074	0.033	1	06/29/17 14:40	06/30/17 22:42	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.52	mg/kg	0.074	0.037	1	06/29/17 14:40	06/30/17 22:42	193-39-5	D3
1-Methylnaphthalene	0.085	mg/kg	0.074	0.026	1	06/29/17 14:40	06/30/17 22:42	90-12-0	D3
2-Methylnaphthalene	0.11	mg/kg	0.074	0.030	1	06/29/17 14:40	06/30/17 22:42	91-57-6	D3
Naphthalene	0.10	mg/kg	0.074	0.024	1	06/29/17 14:40	06/30/17 22:42	91-20-3	D3
Phenanthrene	0.14	mg/kg	0.074	0.028	1	06/29/17 14:40	06/30/17 22:42	85-01-8	D3
Pyrene	0.99	mg/kg	0.074	0.037	1	06/29/17 14:40	06/30/17 22:42	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	83	%	16-123		1	06/29/17 14:40	06/30/17 22:42	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	06/29/17 14:40	06/30/17 22:42	321-60-8	
Terphenyl-d14 (S)	62	%	38-138		1	06/29/17 14:40	06/30/17 22:42	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	630-20-6	
1,1,1-Trichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		07/03/17 13:49	71-55-6	
1,1,2,2-Tetrachloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	79-34-5	
1,1,2-Trichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	79-00-5	
1,1-Dichloroethane	0.0023 U	mg/kg	0.0042	0.0023	1		07/03/17 13:49	75-34-3	
1,1-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	75-35-4	
1,1-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	563-58-6	
1,2,3-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	87-61-6	
1,2,3-Trichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	96-18-4	
1,2,3-Trimethylbenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	526-73-8	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-12 (0-6") **Lab ID: 35320618001** Collected: 06/27/17 10:15 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	120-82-1	
1,2,4-Trimethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	95-63-6	
1,2-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	95-50-1	
1,2-Dichloroethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	107-06-2	
1,2-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	78-87-5	
1,3,5-Trimethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	108-67-8	
1,3-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	541-73-1	
1,3-Dichloropropane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	142-28-9	
1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	542-75-6	
1,4-Dichlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	106-46-7	
2,2-Dichloropropane	0.0022 U	mg/kg	0.0042	0.0022	1		07/03/17 13:49	594-20-7	
2-Butanone (MEK)	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	78-93-3	
2-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	95-49-8	
2-Hexanone	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	591-78-6	
4-Chlorotoluene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	108-10-1	
Acetone	0.11	mg/kg	0.017	0.0084	1		07/03/17 13:49	67-64-1	
Acetonitrile	0.021 U	mg/kg	0.042	0.021	1		07/03/17 13:49	75-05-8	
Benzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	71-43-2	
Bromobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	108-86-1	
Bromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	74-97-5	
Bromodichloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	75-27-4	
Bromoform	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	75-25-2	
Bromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	74-83-9	
Carbon disulfide	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	75-15-0	
Carbon tetrachloride	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	56-23-5	
Chlorobenzene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	108-90-7	
Chloroethane	0.0030 U	mg/kg	0.0042	0.0030	1		07/03/17 13:49	75-00-3	
Chloroform	0.0025 U	mg/kg	0.0042	0.0025	1		07/03/17 13:49	67-66-3	
Chloromethane	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	74-87-3	
Dibromochloromethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	124-48-1	
Dibromomethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	74-95-3	
Dichlorodifluoromethane	0.0022 U	mg/kg	0.0042	0.0022	1		07/03/17 13:49	75-71-8	
Ethylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	100-41-4	
Iodomethane	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	74-88-4	
Isopropylbenzene (Cumene)	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	98-82-8	
Methyl-tert-butyl ether	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	1634-04-4	
Methylene Chloride	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	75-09-2	
Styrene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	100-42-5	
Tetrachloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	127-18-4	
Toluene	0.0023 U	mg/kg	0.0042	0.0023	1		07/03/17 13:49	108-88-3	
Trichloroethene	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	79-01-6	
Trichlorofluoromethane	0.0023 U	mg/kg	0.0042	0.0023	1		07/03/17 13:49	75-69-4	
Vinyl acetate	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	108-05-4	
Vinyl chloride	0.0023 U	mg/kg	0.0042	0.0023	1		07/03/17 13:49	75-01-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-12 (0-6") **Lab ID: 35320618001** Collected: 06/27/17 10:15 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Xylene (Total)	0.0043 U	mg/kg	0.013	0.0043	1		07/03/17 13:49	1330-20-7	
cis-1,2-Dichloroethene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	156-59-2	
cis-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	10061-01-5	
m&p-Xylene	0.0043 U	mg/kg	0.0084	0.0043	1		07/03/17 13:49	179601-23-1	
n-Butylbenzene	0.0025 U	mg/kg	0.0042	0.0025	1		07/03/17 13:49	104-51-8	
n-Propylbenzene	0.0022 U	mg/kg	0.0042	0.0022	1		07/03/17 13:49	103-65-1	
o-Xylene	0.0022 U	mg/kg	0.0042	0.0022	1		07/03/17 13:49	95-47-6	
p-Isopropyltoluene	0.0025 U	mg/kg	0.0042	0.0025	1		07/03/17 13:49	99-87-6	
sec-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	135-98-8	
tert-Butylbenzene	0.0024 U	mg/kg	0.0042	0.0024	1		07/03/17 13:49	98-06-6	
trans-1,2-Dichloroethene	0.0026 U	mg/kg	0.0042	0.0026	1		07/03/17 13:49	156-60-5	
trans-1,3-Dichloropropene	0.0021 U	mg/kg	0.0042	0.0021	1		07/03/17 13:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	55-148		1		07/03/17 13:49	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	80-131		1		07/03/17 13:49	17060-07-0	
Toluene-d8 (S)	104	%	84-117		1		07/03/17 13:49	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.5	%	0.10	0.10	1		07/05/17 17:04		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-12 (6"-2') **Lab ID: 35320618002** Collected: 06/27/17 10:20 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	43.6	mg/kg	0.53	0.27	1	07/04/17 10:40	07/06/17 01:06	7440-38-2	
Lead	5.1	mg/kg	0.53	0.27	1	07/04/17 10:40	07/06/17 01:06	7439-92-1	
6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.048	mg/L	0.010	0.0050	1	07/15/17 10:01	07/19/17 03:57	7440-38-2	
Analytical Method: EPA 7471									
Mercury	0.022	mg/kg	0.0084	0.0042	1		06/30/17 14:18	7439-97-6	
8270 MSSV Short List Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.026 U	mg/kg	0.070	0.026	1	06/29/17 14:40	06/30/17 23:04	83-32-9	D3
Acenaphthylene	0.022 U	mg/kg	0.070	0.022	1	06/29/17 14:40	06/30/17 23:04	208-96-8	D3
Anthracene	0.021 U	mg/kg	0.070	0.021	1	06/29/17 14:40	06/30/17 23:04	120-12-7	D3
Benzo(a)anthracene	0.020 U	mg/kg	0.070	0.020	1	06/29/17 14:40	06/30/17 23:04	56-55-3	D3
Benzo(a)pyrene	0.0082 U	mg/kg	0.070	0.0082	1	06/29/17 14:40	06/30/17 23:04	50-32-8	D3
Benzo(b)fluoranthene	0.053 U	mg/kg	0.070	0.053	1	06/29/17 14:40	06/30/17 23:04	205-99-2	D3
Benzo(g,h,i)perylene	0.025 U	mg/kg	0.070	0.025	1	06/29/17 14:40	06/30/17 23:04	191-24-2	D3
Benzo(k)fluoranthene	0.015 U	mg/kg	0.070	0.015	1	06/29/17 14:40	06/30/17 23:04	207-08-9	D3
Chrysene	0.025 U	mg/kg	0.070	0.025	1	06/29/17 14:40	06/30/17 23:04	218-01-9	D3
Dibenz(a,h)anthracene	0.035 U	mg/kg	0.070	0.035	1	06/29/17 14:40	06/30/17 23:04	53-70-3	D3
Fluoranthene	0.023 U	mg/kg	0.070	0.023	1	06/29/17 14:40	06/30/17 23:04	206-44-0	D3
Fluorene	0.031 U	mg/kg	0.070	0.031	1	06/29/17 14:40	06/30/17 23:04	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.035 U	mg/kg	0.070	0.035	1	06/29/17 14:40	06/30/17 23:04	193-39-5	D3
1-Methylnaphthalene	0.025 U	mg/kg	0.070	0.025	1	06/29/17 14:40	06/30/17 23:04	90-12-0	D3
2-Methylnaphthalene	0.028 U	mg/kg	0.070	0.028	1	06/29/17 14:40	06/30/17 23:04	91-57-6	D3
Naphthalene	0.023 U	mg/kg	0.070	0.023	1	06/29/17 14:40	06/30/17 23:04	91-20-3	D3
Phenanthrene	0.026 U	mg/kg	0.070	0.026	1	06/29/17 14:40	06/30/17 23:04	85-01-8	D3
Pyrene	0.035 U	mg/kg	0.070	0.035	1	06/29/17 14:40	06/30/17 23:04	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	80	%	16-123		1	06/29/17 14:40	06/30/17 23:04	4165-60-0	
2-Fluorobiphenyl (S)	73	%	32-129		1	06/29/17 14:40	06/30/17 23:04	321-60-8	
Terphenyl-d14 (S)	70	%	38-138		1	06/29/17 14:40	06/30/17 23:04	1718-51-0	
8260 MSV 5035 Low Level Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	630-20-6	
1,1,1-Trichloroethane	0.0037 U	mg/kg	0.0068	0.0037	1		07/03/17 16:30	71-55-6	
1,1,2,2-Tetrachloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	79-34-5	
1,1,2-Trichloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	79-00-5	
1,1-Dichloroethane	0.0037 U	mg/kg	0.0068	0.0037	1		07/03/17 16:30	75-34-3	
1,1-Dichloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	75-35-4	
1,1-Dichloropropene	0.0035 U	mg/kg	0.0068	0.0035	1		07/03/17 16:30	563-58-6	
1,2,3-Trichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	87-61-6	
1,2,3-Trichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	96-18-4	
1,2,3-Trimethylbenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	526-73-8	N2

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-12 (6"-2') **Lab ID: 35320618002** Collected: 06/27/17 10:20 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	120-82-1	
1,2,4-Trimethylbenzene	0.0038 U	mg/kg	0.0068	0.0038	1		07/03/17 16:30	95-63-6	
1,2-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	95-50-1	
1,2-Dichloroethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	107-06-2	
1,2-Dichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	78-87-5	
1,3,5-Trimethylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		07/03/17 16:30	108-67-8	
1,3-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	541-73-1	
1,3-Dichloropropane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	142-28-9	
1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	542-75-6	
1,4-Dichlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	106-46-7	
2,2-Dichloropropane	0.0035 U	mg/kg	0.0068	0.0035	1		07/03/17 16:30	594-20-7	
2-Butanone (MEK)	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	78-93-3	
2-Chlorotoluene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	95-49-8	
2-Hexanone	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	591-78-6	
4-Chlorotoluene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	108-10-1	
Acetone	0.17	mg/kg	0.027	0.014	1		07/03/17 16:30	67-64-1	
Acetonitrile	0.034 U	mg/kg	0.068	0.034	1		07/03/17 16:30	75-05-8	
Benzene	0.0035 U	mg/kg	0.0068	0.0035	1		07/03/17 16:30	71-43-2	
Bromobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	108-86-1	
Bromochloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	74-97-5	
Bromodichloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	75-27-4	
Bromoform	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	75-25-2	
Bromomethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	74-83-9	
Carbon disulfide	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	75-15-0	
Carbon tetrachloride	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	56-23-5	
Chlorobenzene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	108-90-7	
Chloroethane	0.0049 U	mg/kg	0.0068	0.0049	1		07/03/17 16:30	75-00-3	
Chloroform	0.0040 U	mg/kg	0.0068	0.0040	1		07/03/17 16:30	67-66-3	
Chloromethane	0.0038 U	mg/kg	0.0068	0.0038	1		07/03/17 16:30	74-87-3	
Dibromochloromethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	124-48-1	
Dibromomethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	74-95-3	
Dichlorodifluoromethane	0.0036 U	mg/kg	0.0068	0.0036	1		07/03/17 16:30	75-71-8	
Ethylbenzene	0.0038 U	mg/kg	0.0068	0.0038	1		07/03/17 16:30	100-41-4	
Iodomethane	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	74-88-4	
Isopropylbenzene (Cumene)	0.0039 U	mg/kg	0.0068	0.0039	1		07/03/17 16:30	98-82-8	
Methyl-tert-butyl ether	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	1634-04-4	
Methylene Chloride	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	75-09-2	
Styrene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	100-42-5	
Tetrachloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	127-18-4	
Toluene	0.0037 U	mg/kg	0.0068	0.0037	1		07/03/17 16:30	108-88-3	
Trichloroethene	0.0038 U	mg/kg	0.0068	0.0038	1		07/03/17 16:30	79-01-6	
Trichlorofluoromethane	0.0037 U	mg/kg	0.0068	0.0037	1		07/03/17 16:30	75-69-4	
Vinyl acetate	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	108-05-4	
Vinyl chloride	0.0036 U	mg/kg	0.0068	0.0036	1		07/03/17 16:30	75-01-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-12 (6"-2') **Lab ID: 35320618002** Collected: 06/27/17 10:20 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Xylene (Total)	0.0070 U	mg/kg	0.020	0.0070	1		07/03/17 16:30	1330-20-7	
cis-1,2-Dichloroethene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	156-59-2	
cis-1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	10061-01-5	
m&p-Xylene	0.0070 U	mg/kg	0.014	0.0070	1		07/03/17 16:30	179601-23-1	
n-Butylbenzene	0.0041 U	mg/kg	0.0068	0.0041	1		07/03/17 16:30	104-51-8	
n-Propylbenzene	0.0036 U	mg/kg	0.0068	0.0036	1		07/03/17 16:30	103-65-1	
o-Xylene	0.0035 U	mg/kg	0.0068	0.0035	1		07/03/17 16:30	95-47-6	
p-Isopropyltoluene	0.0041 U	mg/kg	0.0068	0.0041	1		07/03/17 16:30	99-87-6	
sec-Butylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		07/03/17 16:30	135-98-8	
tert-Butylbenzene	0.0039 U	mg/kg	0.0068	0.0039	1		07/03/17 16:30	98-06-6	
trans-1,2-Dichloroethene	0.0041 U	mg/kg	0.0068	0.0041	1		07/03/17 16:30	156-60-5	
trans-1,3-Dichloropropene	0.0034 U	mg/kg	0.0068	0.0034	1		07/03/17 16:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	55-148		1		07/03/17 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-131		1		07/03/17 16:30	17060-07-0	
Toluene-d8 (S)	104	%	84-117		1		07/03/17 16:30	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.3	%	0.10	0.10	1		07/05/17 17:04		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-14 (0-6") **Lab ID: 35320618003** Collected: 06/27/17 11:05 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.6	mg/kg	0.55	0.28	1	07/04/17 10:40	07/06/17 01:11	7440-38-2	
Lead	43.8	mg/kg	0.55	0.28	1	07/04/17 10:40	07/06/17 01:11	7439-92-1	
Analytical Method: EPA 7471									
Mercury	0.0041 U	mg/kg	0.0083	0.0041	1		06/30/17 14:20	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.025 U	mg/kg	0.069	0.025	1	06/29/17 14:40	06/30/17 23:27	83-32-9	D3
Acenaphthylene	0.047 I	mg/kg	0.069	0.022	1	06/29/17 14:40	06/30/17 23:27	208-96-8	D3
Anthracene	0.035 I	mg/kg	0.069	0.021	1	06/29/17 14:40	06/30/17 23:27	120-12-7	D3
Benzo(a)anthracene	0.069	mg/kg	0.069	0.020	1	06/29/17 14:40	06/30/17 23:27	56-55-3	D3
Benzo(a)pyrene	0.095	mg/kg	0.069	0.0081	1	06/29/17 14:40	06/30/17 23:27	50-32-8	D3
Benzo(b)fluoranthene	0.19	mg/kg	0.069	0.052	1	06/29/17 14:40	06/30/17 23:27	205-99-2	D3
Benzo(g,h,i)perylene	0.095	mg/kg	0.069	0.025	1	06/29/17 14:40	06/30/17 23:27	191-24-2	D3
Benzo(k)fluoranthene	0.063 I	mg/kg	0.069	0.015	1	06/29/17 14:40	06/30/17 23:27	207-08-9	D3
Chrysene	0.11	mg/kg	0.069	0.025	1	06/29/17 14:40	06/30/17 23:27	218-01-9	D3
Dibenz(a,h)anthracene	0.035 U	mg/kg	0.069	0.035	1	06/29/17 14:40	06/30/17 23:27	53-70-3	D3
Fluoranthene	0.10	mg/kg	0.069	0.023	1	06/29/17 14:40	06/30/17 23:27	206-44-0	D3
Fluorene	0.031 U	mg/kg	0.069	0.031	1	06/29/17 14:40	06/30/17 23:27	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.073	mg/kg	0.069	0.035	1	06/29/17 14:40	06/30/17 23:27	193-39-5	D3
1-Methylnaphthalene	0.025 U	mg/kg	0.069	0.025	1	06/29/17 14:40	06/30/17 23:27	90-12-0	D3
2-Methylnaphthalene	0.028 U	mg/kg	0.069	0.028	1	06/29/17 14:40	06/30/17 23:27	91-57-6	D3
Naphthalene	0.022 U	mg/kg	0.069	0.022	1	06/29/17 14:40	06/30/17 23:27	91-20-3	D3
Phenanthrene	0.026 U	mg/kg	0.069	0.026	1	06/29/17 14:40	06/30/17 23:27	85-01-8	D3
Pyrene	0.11	mg/kg	0.069	0.035	1	06/29/17 14:40	06/30/17 23:27	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	68	%	16-123		1	06/29/17 14:40	06/30/17 23:27	4165-60-0	
2-Fluorobiphenyl (S)	69	%	32-129		1	06/29/17 14:40	06/30/17 23:27	321-60-8	
Terphenyl-d14 (S)	73	%	38-138		1	06/29/17 14:40	06/30/17 23:27	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/30/17 08:43	71-55-6	
1,1,2,2-Tetrachloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	79-34-5	
1,1,2-Trichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/30/17 08:43	75-34-3	
1,1-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	75-35-4	
1,1-Dichloropropene	0.0027 U	mg/kg	0.0052	0.0027	1		06/30/17 08:43	563-58-6	
1,2,3-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	87-61-6	
1,2,3-Trichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	96-18-4	
1,2,3-Trimethylbenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	526-73-8	N2
1,2,4-Trichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/30/17 08:43	95-63-6	
1,2-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	95-50-1	
1,2-Dichloroethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	107-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-14 (0-6") **Lab ID: 35320618003** Collected: 06/27/17 11:05 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	78-87-5	
1,3,5-Trimethylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/30/17 08:43	108-67-8	
1,3-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	541-73-1	
1,3-Dichloropropane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	142-28-9	
1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	542-75-6	
1,4-Dichlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	106-46-7	
2,2-Dichloropropane	0.0027 U	mg/kg	0.0052	0.0027	1		06/30/17 08:43	594-20-7	
2-Butanone (MEK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	95-49-8	
2-Hexanone	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	591-78-6	
4-Chlorotoluene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	108-10-1	
Acetone	0.010 U	mg/kg	0.021	0.010	1		06/30/17 08:43	67-64-1	J(L1)
Acetonitrile	0.026 U	mg/kg	0.052	0.026	1		06/30/17 08:43	75-05-8	
Benzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/30/17 08:43	71-43-2	
Bromobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	108-86-1	
Bromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	74-97-5	
Bromodichloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	75-27-4	
Bromoform	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	75-25-2	
Bromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	74-83-9	
Carbon disulfide	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	75-15-0	
Carbon tetrachloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	56-23-5	
Chlorobenzene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0052	0.0037	1		06/30/17 08:43	75-00-3	
Chloroform	0.0031 U	mg/kg	0.0052	0.0031	1		06/30/17 08:43	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0052	0.0029	1		06/30/17 08:43	74-87-3	
Dibromochloromethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	124-48-1	
Dibromomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	74-95-3	
Dichlorodifluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/30/17 08:43	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0052	0.0029	1		06/30/17 08:43	100-41-4	
Iodomethane	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0052	0.0030	1		06/30/17 08:43	98-82-8	
Methyl-tert-butyl ether	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	1634-04-4	
Methylene Chloride	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	75-09-2	
Styrene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	100-42-5	
Tetrachloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	127-18-4	
Toluene	0.0028 U	mg/kg	0.0052	0.0028	1		06/30/17 08:43	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0052	0.0029	1		06/30/17 08:43	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0052	0.0028	1		06/30/17 08:43	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	108-05-4	
Vinyl chloride	0.0028 U	mg/kg	0.0052	0.0028	1		06/30/17 08:43	75-01-4	
Xylene (Total)	0.0053 U	mg/kg	0.016	0.0053	1		06/30/17 08:43	1330-20-7	
cis-1,2-Dichloroethene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	156-59-2	
cis-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	10061-01-5	
m&p-Xylene	0.0053 U	mg/kg	0.010	0.0053	1		06/30/17 08:43	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-14 (0-6") **Lab ID: 35320618003** Collected: 06/27/17 11:05 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0031 U	mg/kg	0.0052	0.0031	1		06/30/17 08:43	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0052	0.0027	1		06/30/17 08:43	103-65-1	
o-Xylene	0.0027 U	mg/kg	0.0052	0.0027	1		06/30/17 08:43	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0052	0.0031	1		06/30/17 08:43	99-87-6	
sec-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/30/17 08:43	135-98-8	
tert-Butylbenzene	0.0030 U	mg/kg	0.0052	0.0030	1		06/30/17 08:43	98-06-6	
trans-1,2-Dichloroethene	0.0032 U	mg/kg	0.0052	0.0032	1		06/30/17 08:43	156-60-5	
trans-1,3-Dichloropropene	0.0026 U	mg/kg	0.0052	0.0026	1		06/30/17 08:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	55-148		1		06/30/17 08:43	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	80-131		1		06/30/17 08:43	17060-07-0	
Toluene-d8 (S)	88	%	84-117		1		06/30/17 08:43	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.4	%	0.10	0.10	1		07/05/17 17:04		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-14 (6"-2') Lab ID: 35320618004 Collected: 06/27/17 11:15 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	0.27 U	mg/kg	0.53	0.27	1	07/04/17 10:40	07/06/17 01:16	7440-38-2	
Lead	0.27 U	mg/kg	0.53	0.27	1	07/04/17 10:40	07/06/17 01:16	7439-92-1	
Analytical Method: EPA 7471									
Mercury	0.085	mg/kg	0.0087	0.0043	1		06/30/17 14:22	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.026 U	mg/kg	0.071	0.026	1	06/29/17 14:40	06/30/17 23:50	83-32-9	D3
Acenaphthylene	0.022 U	mg/kg	0.071	0.022	1	06/29/17 14:40	06/30/17 23:50	208-96-8	D3
Anthracene	0.022 U	mg/kg	0.071	0.022	1	06/29/17 14:40	06/30/17 23:50	120-12-7	D3
Benzo(a)anthracene	0.021 U	mg/kg	0.071	0.021	1	06/29/17 14:40	06/30/17 23:50	56-55-3	D3
Benzo(a)pyrene	0.0083 U	mg/kg	0.071	0.0083	1	06/29/17 14:40	06/30/17 23:50	50-32-8	D3
Benzo(b)fluoranthene	0.053 U	mg/kg	0.071	0.053	1	06/29/17 14:40	06/30/17 23:50	205-99-2	D3
Benzo(g,h,i)perylene	0.026 U	mg/kg	0.071	0.026	1	06/29/17 14:40	06/30/17 23:50	191-24-2	D3
Benzo(k)fluoranthene	0.015 U	mg/kg	0.071	0.015	1	06/29/17 14:40	06/30/17 23:50	207-08-9	D3
Chrysene	0.025 U	mg/kg	0.071	0.025	1	06/29/17 14:40	06/30/17 23:50	218-01-9	D3
Dibenz(a,h)anthracene	0.036 U	mg/kg	0.071	0.036	1	06/29/17 14:40	06/30/17 23:50	53-70-3	D3
Fluoranthene	0.023 U	mg/kg	0.071	0.023	1	06/29/17 14:40	06/30/17 23:50	206-44-0	D3
Fluorene	0.032 U	mg/kg	0.071	0.032	1	06/29/17 14:40	06/30/17 23:50	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.036 U	mg/kg	0.071	0.036	1	06/29/17 14:40	06/30/17 23:50	193-39-5	D3
1-Methylnaphthalene	0.025 U	mg/kg	0.071	0.025	1	06/29/17 14:40	06/30/17 23:50	90-12-0	D3
2-Methylnaphthalene	0.029 U	mg/kg	0.071	0.029	1	06/29/17 14:40	06/30/17 23:50	91-57-6	D3
Naphthalene	0.023 U	mg/kg	0.071	0.023	1	06/29/17 14:40	06/30/17 23:50	91-20-3	D3
Phenanthrene	0.027 U	mg/kg	0.071	0.027	1	06/29/17 14:40	06/30/17 23:50	85-01-8	D3
Pyrene	0.036 U	mg/kg	0.071	0.036	1	06/29/17 14:40	06/30/17 23:50	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	84	%	16-123		1	06/29/17 14:40	06/30/17 23:50	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	06/29/17 14:40	06/30/17 23:50	321-60-8	
Terphenyl-d14 (S)	54	%	38-138		1	06/29/17 14:40	06/30/17 23:50	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/30/17 09:06	71-55-6	
1,1,2,2-Tetrachloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	79-34-5	
1,1,2-Trichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/30/17 09:06	75-34-3	
1,1-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0054	0.0028	1		06/30/17 09:06	563-58-6	
1,2,3-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	87-61-6	
1,2,3-Trichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	96-18-4	
1,2,3-Trimethylbenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	526-73-8	N2
1,2,4-Trichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	120-82-1	
1,2,4-Trimethylbenzene	0.0030 U	mg/kg	0.0054	0.0030	1		06/30/17 09:06	95-63-6	
1,2-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	95-50-1	
1,2-Dichloroethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	107-06-2	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-14 (6"-2') **Lab ID: 35320618004** Collected: 06/27/17 11:15 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	78-87-5	
1,3,5-Trimethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/30/17 09:06	108-67-8	
1,3-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	541-73-1	
1,3-Dichloropropane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	142-28-9	
1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	542-75-6	
1,4-Dichlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	106-46-7	
2,2-Dichloropropane	0.0028 U	mg/kg	0.0054	0.0028	1		06/30/17 09:06	594-20-7	
2-Butanone (MEK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	78-93-3	
2-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	95-49-8	
2-Hexanone	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	591-78-6	
4-Chlorotoluene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	108-10-1	
Acetone	0.37	mg/kg	0.022	0.011	1		06/30/17 09:06	67-64-1	J(L1)
Acetonitrile	0.027 U	mg/kg	0.054	0.027	1		06/30/17 09:06	75-05-8	
Benzene	0.0028 U	mg/kg	0.0054	0.0028	1		06/30/17 09:06	71-43-2	
Bromobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	108-86-1	
Bromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	74-97-5	
Bromodichloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	75-27-4	
Bromoform	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	75-25-2	
Bromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	74-83-9	
Carbon disulfide	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	75-15-0	
Carbon tetrachloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	56-23-5	
Chlorobenzene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	108-90-7	
Chloroethane	0.0039 U	mg/kg	0.0054	0.0039	1		06/30/17 09:06	75-00-3	
Chloroform	0.0032 U	mg/kg	0.0054	0.0032	1		06/30/17 09:06	67-66-3	
Chloromethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/30/17 09:06	74-87-3	
Dibromochloromethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	124-48-1	
Dibromomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	74-95-3	
Dichlorodifluoromethane	0.0029 U	mg/kg	0.0054	0.0029	1		06/30/17 09:06	75-71-8	
Ethylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/30/17 09:06	100-41-4	
Iodomethane	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	74-88-4	
Isopropylbenzene (Cumene)	0.0031 U	mg/kg	0.0054	0.0031	1		06/30/17 09:06	98-82-8	
Methyl-tert-butyl ether	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	1634-04-4	
Methylene Chloride	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	75-09-2	
Styrene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	100-42-5	
Tetrachloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	127-18-4	
Toluene	0.0029 U	mg/kg	0.0054	0.0029	1		06/30/17 09:06	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0054	0.0031	1		06/30/17 09:06	79-01-6	
Trichlorofluoromethane	0.0030 U	mg/kg	0.0054	0.0030	1		06/30/17 09:06	75-69-4	
Vinyl acetate	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	108-05-4	
Vinyl chloride	0.0029 U	mg/kg	0.0054	0.0029	1		06/30/17 09:06	75-01-4	
Xylene (Total)	0.0056 U	mg/kg	0.016	0.0056	1		06/30/17 09:06	1330-20-7	
cis-1,2-Dichloroethene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	156-59-2	
cis-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	10061-01-5	
m&p-Xylene	0.0056 U	mg/kg	0.011	0.0056	1		06/30/17 09:06	179601-23-1	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-14 (6"-2') **Lab ID: 35320618004** Collected: 06/27/17 11:15 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
n-Butylbenzene	0.0033 U	mg/kg	0.0054	0.0033	1		06/30/17 09:06	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0054	0.0029	1		06/30/17 09:06	103-65-1	
o-Xylene	0.0028 U	mg/kg	0.0054	0.0028	1		06/30/17 09:06	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0054	0.0033	1		06/30/17 09:06	99-87-6	
sec-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/30/17 09:06	135-98-8	
tert-Butylbenzene	0.0031 U	mg/kg	0.0054	0.0031	1		06/30/17 09:06	98-06-6	
trans-1,2-Dichloroethene	0.0033 U	mg/kg	0.0054	0.0033	1		06/30/17 09:06	156-60-5	
trans-1,3-Dichloropropene	0.0027 U	mg/kg	0.0054	0.0027	1		06/30/17 09:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	55-148		1		06/30/17 09:06	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-131		1		06/30/17 09:06	17060-07-0	
Toluene-d8 (S)	115	%	84-117		1		06/30/17 09:06	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.8	%	0.10	0.10	1		07/05/17 17:04		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-16 (0-6") **Lab ID: 35320618005** Collected: 06/27/17 11:40 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.9	mg/kg	0.66	0.33	1	07/04/17 10:40	07/06/17 01:22	7440-38-2	
Lead	15.2	mg/kg	0.66	0.33	1	07/04/17 10:40	07/06/17 01:22	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.0083 I	mg/L	0.010	0.0050	1	07/15/17 10:01	07/19/17 04:02	7440-38-2	
Analytical Method: EPA 7471									
Mercury	0.087	mg/kg	0.0088	0.0044	1		06/30/17 14:24	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.027 U	mg/kg	0.073	0.027	1	06/29/17 14:40	07/01/17 00:13	83-32-9	D3
Acenaphthylene	0.065 I	mg/kg	0.073	0.023	1	06/29/17 14:40	07/01/17 00:13	208-96-8	D3
Anthracene	0.038 I	mg/kg	0.073	0.022	1	06/29/17 14:40	07/01/17 00:13	120-12-7	D3
Benzo(a)anthracene	0.052 I	mg/kg	0.073	0.021	1	06/29/17 14:40	07/01/17 00:13	56-55-3	D3
Benzo(a)pyrene	0.069 I	mg/kg	0.073	0.0085	1	06/29/17 14:40	07/01/17 00:13	50-32-8	D3
Benzo(b)fluoranthene	0.12	mg/kg	0.073	0.055	1	06/29/17 14:40	07/01/17 00:13	205-99-2	D3
Benzo(g,h,i)perylene	0.074	mg/kg	0.073	0.026	1	06/29/17 14:40	07/01/17 00:13	191-24-2	D3
Benzo(k)fluoranthene	0.044 I	mg/kg	0.073	0.016	1	06/29/17 14:40	07/01/17 00:13	207-08-9	D3
Chrysene	0.051 I	mg/kg	0.073	0.026	1	06/29/17 14:40	07/01/17 00:13	218-01-9	D3
Dibenz(a,h)anthracene	0.037 U	mg/kg	0.073	0.037	1	06/29/17 14:40	07/01/17 00:13	53-70-3	D3
Fluoranthene	0.061 I	mg/kg	0.073	0.024	1	06/29/17 14:40	07/01/17 00:13	206-44-0	D3
Fluorene	0.033 U	mg/kg	0.073	0.033	1	06/29/17 14:40	07/01/17 00:13	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.054 I	mg/kg	0.073	0.037	1	06/29/17 14:40	07/01/17 00:13	193-39-5	D3
1-Methylnaphthalene	0.026 U	mg/kg	0.073	0.026	1	06/29/17 14:40	07/01/17 00:13	90-12-0	D3
2-Methylnaphthalene	0.029 U	mg/kg	0.073	0.029	1	06/29/17 14:40	07/01/17 00:13	91-57-6	D3
Naphthalene	0.024 U	mg/kg	0.073	0.024	1	06/29/17 14:40	07/01/17 00:13	91-20-3	D3
Phenanthrene	0.028 U	mg/kg	0.073	0.028	1	06/29/17 14:40	07/01/17 00:13	85-01-8	D3
Pyrene	0.066 I	mg/kg	0.073	0.037	1	06/29/17 14:40	07/01/17 00:13	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	69	%	16-123		1	06/29/17 14:40	07/01/17 00:13	4165-60-0	
2-Fluorobiphenyl (S)	66	%	32-129		1	06/29/17 14:40	07/01/17 00:13	321-60-8	
Terphenyl-d14 (S)	64	%	38-138		1	06/29/17 14:40	07/01/17 00:13	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	630-20-6	
1,1,1-Trichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		07/03/17 16:53	71-55-6	
1,1,2,2-Tetrachloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	79-34-5	
1,1,2-Trichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	79-00-5	
1,1-Dichloroethane	0.0033 U	mg/kg	0.0061	0.0033	1		07/03/17 16:53	75-34-3	
1,1-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	75-35-4	
1,1-Dichloropropene	0.0031 U	mg/kg	0.0061	0.0031	1		07/03/17 16:53	563-58-6	
1,2,3-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	87-61-6	
1,2,3-Trichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	96-18-4	
1,2,3-Trimethylbenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	526-73-8	N2

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-16 (0-6") **Lab ID: 35320618005** Collected: 06/27/17 11:40 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	120-82-1	
1,2,4-Trimethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		07/03/17 16:53	95-63-6	
1,2-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	95-50-1	
1,2-Dichloroethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	107-06-2	
1,2-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	78-87-5	
1,3,5-Trimethylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		07/03/17 16:53	108-67-8	
1,3-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	541-73-1	
1,3-Dichloropropane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	142-28-9	
1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	542-75-6	
1,4-Dichlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	106-46-7	
2,2-Dichloropropane	0.0031 U	mg/kg	0.0061	0.0031	1		07/03/17 16:53	594-20-7	
2-Butanone (MEK)	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	78-93-3	
2-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	95-49-8	
2-Hexanone	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	591-78-6	
4-Chlorotoluene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	108-10-1	
Acetone	0.54	mg/kg	0.024	0.012	1		07/03/17 16:53	67-64-1	L
Acetonitrile	0.030 U	mg/kg	0.061	0.030	1		07/03/17 16:53	75-05-8	
Benzene	0.0031 U	mg/kg	0.0061	0.0031	1		07/03/17 16:53	71-43-2	
Bromobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	108-86-1	
Bromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	74-97-5	
Bromodichloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	75-27-4	
Bromoform	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	75-25-2	
Bromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	74-83-9	
Carbon disulfide	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	75-15-0	
Carbon tetrachloride	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	56-23-5	
Chlorobenzene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	108-90-7	
Chloroethane	0.0044 U	mg/kg	0.0061	0.0044	1		07/03/17 16:53	75-00-3	
Chloroform	0.0036 U	mg/kg	0.0061	0.0036	1		07/03/17 16:53	67-66-3	
Chloromethane	0.0034 U	mg/kg	0.0061	0.0034	1		07/03/17 16:53	74-87-3	
Dibromochloromethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	124-48-1	
Dibromomethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	74-95-3	
Dichlorodifluoromethane	0.0032 U	mg/kg	0.0061	0.0032	1		07/03/17 16:53	75-71-8	
Ethylbenzene	0.0034 U	mg/kg	0.0061	0.0034	1		07/03/17 16:53	100-41-4	
Iodomethane	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	74-88-4	
Isopropylbenzene (Cumene)	0.0035 U	mg/kg	0.0061	0.0035	1		07/03/17 16:53	98-82-8	
Methyl-tert-butyl ether	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	1634-04-4	
Methylene Chloride	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	75-09-2	
Styrene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	100-42-5	
Tetrachloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	127-18-4	
Toluene	0.0033 U	mg/kg	0.0061	0.0033	1		07/03/17 16:53	108-88-3	
Trichloroethene	0.0034 U	mg/kg	0.0061	0.0034	1		07/03/17 16:53	79-01-6	
Trichlorofluoromethane	0.0033 U	mg/kg	0.0061	0.0033	1		07/03/17 16:53	75-69-4	
Vinyl acetate	0.0031 U	mg/kg	0.0061	0.0031	1		07/03/17 16:53	108-05-4	
Vinyl chloride	0.0033 U	mg/kg	0.0061	0.0033	1		07/03/17 16:53	75-01-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-16 (0-6") **Lab ID: 35320618005** Collected: 06/27/17 11:40 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Xylene (Total)	0.0062 U	mg/kg	0.018	0.0062	1		07/03/17 16:53	1330-20-7	
cis-1,2-Dichloroethene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	156-59-2	
cis-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	10061-01-5	
m&p-Xylene	0.0062 U	mg/kg	0.012	0.0062	1		07/03/17 16:53	179601-23-1	
n-Butylbenzene	0.0037 U	mg/kg	0.0061	0.0037	1		07/03/17 16:53	104-51-8	
n-Propylbenzene	0.0032 U	mg/kg	0.0061	0.0032	1		07/03/17 16:53	103-65-1	
o-Xylene	0.0031 U	mg/kg	0.0061	0.0031	1		07/03/17 16:53	95-47-6	
p-Isopropyltoluene	0.0037 U	mg/kg	0.0061	0.0037	1		07/03/17 16:53	99-87-6	
sec-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		07/03/17 16:53	135-98-8	
tert-Butylbenzene	0.0035 U	mg/kg	0.0061	0.0035	1		07/03/17 16:53	98-06-6	
trans-1,2-Dichloroethene	0.0037 U	mg/kg	0.0061	0.0037	1		07/03/17 16:53	156-60-5	
trans-1,3-Dichloropropene	0.0030 U	mg/kg	0.0061	0.0030	1		07/03/17 16:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	55-148		1		07/03/17 16:53	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		07/03/17 16:53	17060-07-0	
Toluene-d8 (S)	101	%	84-117		1		07/03/17 16:53	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.8	%	0.10	0.10	1		07/05/17 17:04		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-16 (6"-2') **Lab ID: 35320618006** Collected: 06/27/17 11:50 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	35.8	mg/kg	0.59	0.30	1	07/04/17 10:40	07/06/17 01:27	7440-38-2	
Lead	5.7	mg/kg	0.59	0.30	1	07/04/17 10:40	07/06/17 01:27	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.057	mg/L	0.010	0.0050	1	07/15/17 10:01	07/19/17 04:07	7440-38-2	
Analytical Method: EPA 7471									
Mercury	0.0041 U	mg/kg	0.0082	0.0041	1		06/30/17 14:26	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.025 U	mg/kg	0.067	0.025	1	06/29/17 14:40	07/01/17 00:36	83-32-9	D3
Acenaphthylene	0.021 U	mg/kg	0.067	0.021	1	06/29/17 14:40	07/01/17 00:36	208-96-8	D3
Anthracene	0.021 U	mg/kg	0.067	0.021	1	06/29/17 14:40	07/01/17 00:36	120-12-7	D3
Benzo(a)anthracene	0.022 I	mg/kg	0.067	0.020	1	06/29/17 14:40	07/01/17 00:36	56-55-3	D3
Benzo(a)pyrene	0.027 I	mg/kg	0.067	0.0079	1	06/29/17 14:40	07/01/17 00:36	50-32-8	D3
Benzo(b)fluoranthene	0.051 U	mg/kg	0.067	0.051	1	06/29/17 14:40	07/01/17 00:36	205-99-2	D3
Benzo(g,h,i)perylene	0.028 I	mg/kg	0.067	0.024	1	06/29/17 14:40	07/01/17 00:36	191-24-2	D3
Benzo(k)fluoranthene	0.024 I	mg/kg	0.067	0.015	1	06/29/17 14:40	07/01/17 00:36	207-08-9	D3
Chrysene	0.024 U	mg/kg	0.067	0.024	1	06/29/17 14:40	07/01/17 00:36	218-01-9	D3
Dibenz(a,h)anthracene	0.034 U	mg/kg	0.067	0.034	1	06/29/17 14:40	07/01/17 00:36	53-70-3	D3
Fluoranthene	0.035 I	mg/kg	0.067	0.022	1	06/29/17 14:40	07/01/17 00:36	206-44-0	D3
Fluorene	0.030 U	mg/kg	0.067	0.030	1	06/29/17 14:40	07/01/17 00:36	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.034 U	mg/kg	0.067	0.034	1	06/29/17 14:40	07/01/17 00:36	193-39-5	D3
1-Methylnaphthalene	0.024 U	mg/kg	0.067	0.024	1	06/29/17 14:40	07/01/17 00:36	90-12-0	D3
2-Methylnaphthalene	0.027 U	mg/kg	0.067	0.027	1	06/29/17 14:40	07/01/17 00:36	91-57-6	D3
Naphthalene	0.022 U	mg/kg	0.067	0.022	1	06/29/17 14:40	07/01/17 00:36	91-20-3	D3
Phenanthrene	0.025 U	mg/kg	0.067	0.025	1	06/29/17 14:40	07/01/17 00:36	85-01-8	D3
Pyrene	0.034 U	mg/kg	0.067	0.034	1	06/29/17 14:40	07/01/17 00:36	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	72	%	16-123		1	06/29/17 14:40	07/01/17 00:36	4165-60-0	
2-Fluorobiphenyl (S)	68	%	32-129		1	06/29/17 14:40	07/01/17 00:36	321-60-8	
Terphenyl-d14 (S)	68	%	38-138		1	06/29/17 14:40	07/01/17 00:36	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	630-20-6	
1,1,1-Trichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		07/03/17 17:16	71-55-6	
1,1,2,2-Tetrachloroethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	79-34-5	
1,1,2-Trichloroethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	79-00-5	
1,1-Dichloroethane	0.0028 U	mg/kg	0.0051	0.0028	1		07/03/17 17:16	75-34-3	
1,1-Dichloroethene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	75-35-4	
1,1-Dichloropropene	0.0026 U	mg/kg	0.0051	0.0026	1		07/03/17 17:16	563-58-6	
1,2,3-Trichlorobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	87-61-6	
1,2,3-Trichloropropane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	96-18-4	
1,2,3-Trimethylbenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	526-73-8	N2

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-16 (6"-2') Lab ID: **35320618006** Collected: 06/27/17 11:50 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	120-82-1	
1,2,4-Trimethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	95-63-6	
1,2-Dichlorobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	95-50-1	
1,2-Dichloroethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	107-06-2	
1,2-Dichloropropane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	78-87-5	
1,3,5-Trimethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	108-67-8	
1,3-Dichlorobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	541-73-1	
1,3-Dichloropropane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	142-28-9	
1,3-Dichloropropene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	542-75-6	
1,4-Dichlorobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	106-46-7	
2,2-Dichloropropane	0.0026 U	mg/kg	0.0051	0.0026	1		07/03/17 17:16	594-20-7	
2-Butanone (MEK)	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	78-93-3	
2-Chlorotoluene	0.0026 U	mg/kg	0.0051	0.0026	1		07/03/17 17:16	95-49-8	
2-Hexanone	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	591-78-6	
4-Chlorotoluene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	108-10-1	
Acetone	0.12	mg/kg	0.020	0.010	1		07/03/17 17:16	67-64-1	
Acetonitrile	0.025 U	mg/kg	0.051	0.025	1		07/03/17 17:16	75-05-8	
Benzene	0.0026 U	mg/kg	0.0051	0.0026	1		07/03/17 17:16	71-43-2	
Bromobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	108-86-1	
Bromochloromethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	74-97-5	
Bromodichloromethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	75-27-4	
Bromoform	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	75-25-2	
Bromomethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	74-83-9	
Carbon disulfide	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	75-15-0	
Carbon tetrachloride	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	56-23-5	
Chlorobenzene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	108-90-7	
Chloroethane	0.0037 U	mg/kg	0.0051	0.0037	1		07/03/17 17:16	75-00-3	
Chloroform	0.0030 U	mg/kg	0.0051	0.0030	1		07/03/17 17:16	67-66-3	
Chloromethane	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	74-87-3	
Dibromochloromethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	124-48-1	
Dibromomethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	74-95-3	
Dichlorodifluoromethane	0.0027 U	mg/kg	0.0051	0.0027	1		07/03/17 17:16	75-71-8	
Ethylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	100-41-4	
Iodomethane	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	74-88-4	
Isopropylbenzene (Cumene)	0.0030 U	mg/kg	0.0051	0.0030	1		07/03/17 17:16	98-82-8	
Methyl-tert-butyl ether	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	1634-04-4	
Methylene Chloride	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	75-09-2	
Styrene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	100-42-5	
Tetrachloroethene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	127-18-4	
Toluene	0.0028 U	mg/kg	0.0051	0.0028	1		07/03/17 17:16	108-88-3	
Trichloroethene	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	79-01-6	
Trichlorofluoromethane	0.0028 U	mg/kg	0.0051	0.0028	1		07/03/17 17:16	75-69-4	
Vinyl acetate	0.0026 U	mg/kg	0.0051	0.0026	1		07/03/17 17:16	108-05-4	
Vinyl chloride	0.0027 U	mg/kg	0.0051	0.0027	1		07/03/17 17:16	75-01-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-16 (6"-2') **Lab ID: 35320618006** Collected: 06/27/17 11:50 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Xylene (Total)	0.0052 U	mg/kg	0.015	0.0052	1		07/03/17 17:16	1330-20-7	
cis-1,2-Dichloroethene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	156-59-2	
cis-1,3-Dichloropropene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	10061-01-5	
m&p-Xylene	0.0052 U	mg/kg	0.010	0.0052	1		07/03/17 17:16	179601-23-1	
n-Butylbenzene	0.0031 U	mg/kg	0.0051	0.0031	1		07/03/17 17:16	104-51-8	
n-Propylbenzene	0.0027 U	mg/kg	0.0051	0.0027	1		07/03/17 17:16	103-65-1	
o-Xylene	0.0026 U	mg/kg	0.0051	0.0026	1		07/03/17 17:16	95-47-6	
p-Isopropyltoluene	0.0031 U	mg/kg	0.0051	0.0031	1		07/03/17 17:16	99-87-6	
sec-Butylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	135-98-8	
tert-Butylbenzene	0.0029 U	mg/kg	0.0051	0.0029	1		07/03/17 17:16	98-06-6	
trans-1,2-Dichloroethene	0.0031 U	mg/kg	0.0051	0.0031	1		07/03/17 17:16	156-60-5	
trans-1,3-Dichloropropene	0.0025 U	mg/kg	0.0051	0.0025	1		07/03/17 17:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	55-148		1		07/03/17 17:16	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-131		1		07/03/17 17:16	17060-07-0	
Toluene-d8 (S)	103	%	84-117		1		07/03/17 17:16	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.0	%	0.10	0.10	1		07/05/17 17:05		J(D6)

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-17 (0-6") **Lab ID: 35320618007** Collected: 06/27/17 12:10 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.1	mg/kg	0.52	0.26	1	07/04/17 10:40	07/06/17 01:32	7440-38-2	
Lead	43.3	mg/kg	0.52	0.26	1	07/04/17 10:40	07/06/17 01:32	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.0050 U	mg/L	0.010	0.0050	1	07/15/17 10:01	07/19/17 04:12	7440-38-2	
Analytical Method: EPA 7471									
Mercury	0.0049 I	mg/kg	0.0081	0.0041	1		06/30/17 14:28	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.036 U	mg/kg	0.097	0.036	1	07/06/17 07:34	07/06/17 15:13	83-32-9	D3
Acenaphthylene	0.033 I	mg/kg	0.097	0.030	1	07/06/17 07:34	07/06/17 15:13	208-96-8	D3
Anthracene	0.030 U	mg/kg	0.097	0.030	1	07/06/17 07:34	07/06/17 15:13	120-12-7	D3
Benzo(a)anthracene	0.039 I	mg/kg	0.097	0.028	1	07/06/17 07:34	07/06/17 15:13	56-55-3	D3
Benzo(a)pyrene	0.068 I	mg/kg	0.097	0.011	1	07/06/17 07:34	07/06/17 15:13	50-32-8	D3
Benzo(b)fluoranthene	0.13	mg/kg	0.097	0.073	1	07/06/17 07:34	07/06/17 15:13	205-99-2	D3
Benzo(g,h,i)perylene	0.068 I	mg/kg	0.097	0.035	1	07/06/17 07:34	07/06/17 15:13	191-24-2	D3
Benzo(k)fluoranthene	0.053 I	mg/kg	0.097	0.021	1	07/06/17 07:34	07/06/17 15:13	207-08-9	D3
Chrysene	0.052 I	mg/kg	0.097	0.035	1	07/06/17 07:34	07/06/17 15:13	218-01-9	D3
Dibenz(a,h)anthracene	0.049 U	mg/kg	0.097	0.049	1	07/06/17 07:34	07/06/17 15:13	53-70-3	D3
Fluoranthene	0.059 I	mg/kg	0.097	0.032	1	07/06/17 07:34	07/06/17 15:13	206-44-0	D3
Fluorene	0.044 U	mg/kg	0.097	0.044	1	07/06/17 07:34	07/06/17 15:13	86-73-7	D3
Indeno(1,2,3-cd)pyrene	0.056 I	mg/kg	0.097	0.049	1	07/06/17 07:34	07/06/17 15:13	193-39-5	D3
1-Methylnaphthalene	0.034 U	mg/kg	0.097	0.034	1	07/06/17 07:34	07/06/17 15:13	90-12-0	D3
2-Methylnaphthalene	0.039 U	mg/kg	0.097	0.039	1	07/06/17 07:34	07/06/17 15:13	91-57-6	D3
Naphthalene	0.031 U	mg/kg	0.097	0.031	1	07/06/17 07:34	07/06/17 15:13	91-20-3	D3
Phenanthrene	0.037 U	mg/kg	0.097	0.037	1	07/06/17 07:34	07/06/17 15:13	85-01-8	D3
Pyrene	0.071 I	mg/kg	0.097	0.049	1	07/06/17 07:34	07/06/17 15:13	129-00-0	D3
Surrogates									
Nitrobenzene-d5 (S)	72	%	16-123		1	07/06/17 07:34	07/06/17 15:13	4165-60-0	
2-Fluorobiphenyl (S)	72	%	32-129		1	07/06/17 07:34	07/06/17 15:13	321-60-8	
Terphenyl-d14 (S)	74	%	38-138		1	07/06/17 07:34	07/06/17 15:13	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	630-20-6	
1,1,1-Trichloroethane	0.0030 U	mg/kg	0.0056	0.0030	1		07/03/17 17:39	71-55-6	
1,1,2,2-Tetrachloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	79-34-5	
1,1,2-Trichloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	79-00-5	
1,1-Dichloroethane	0.0030 U	mg/kg	0.0056	0.0030	1		07/03/17 17:39	75-34-3	
1,1-Dichloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	75-35-4	
1,1-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	563-58-6	
1,2,3-Trichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	87-61-6	
1,2,3-Trichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	96-18-4	
1,2,3-Trimethylbenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	526-73-8	N2

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-17 (0-6") **Lab ID: 35320618007** Collected: 06/27/17 12:10 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	120-82-1	
1,2,4-Trimethylbenzene	0.0031 U	mg/kg	0.0056	0.0031	1		07/03/17 17:39	95-63-6	
1,2-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	95-50-1	
1,2-Dichloroethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	107-06-2	
1,2-Dichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	78-87-5	
1,3,5-Trimethylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		07/03/17 17:39	108-67-8	
1,3-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	541-73-1	
1,3-Dichloropropane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	142-28-9	
1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	542-75-6	
1,4-Dichlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	106-46-7	
2,2-Dichloropropane	0.0029 U	mg/kg	0.0056	0.0029	1		07/03/17 17:39	594-20-7	
2-Butanone (MEK)	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	78-93-3	
2-Chlorotoluene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	95-49-8	
2-Hexanone	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	591-78-6	
4-Chlorotoluene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	108-10-1	
Acetone	0.27	mg/kg	0.022	0.011	1		07/03/17 17:39	67-64-1	
Acetonitrile	0.028 U	mg/kg	0.056	0.028	1		07/03/17 17:39	75-05-8	
Benzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	71-43-2	
Bromobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	108-86-1	
Bromochloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	74-97-5	
Bromodichloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	75-27-4	
Bromoform	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	75-25-2	
Bromomethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	74-83-9	
Carbon disulfide	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	75-15-0	
Carbon tetrachloride	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	56-23-5	
Chlorobenzene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	108-90-7	
Chloroethane	0.0040 U	mg/kg	0.0056	0.0040	1		07/03/17 17:39	75-00-3	
Chloroform	0.0033 U	mg/kg	0.0056	0.0033	1		07/03/17 17:39	67-66-3	
Chloromethane	0.0031 U	mg/kg	0.0056	0.0031	1		07/03/17 17:39	74-87-3	
Dibromochloromethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	124-48-1	
Dibromomethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	74-95-3	
Dichlorodifluoromethane	0.0030 U	mg/kg	0.0056	0.0030	1		07/03/17 17:39	75-71-8	
Ethylbenzene	0.0031 U	mg/kg	0.0056	0.0031	1		07/03/17 17:39	100-41-4	
Iodomethane	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	74-88-4	
Isopropylbenzene (Cumene)	0.0032 U	mg/kg	0.0056	0.0032	1		07/03/17 17:39	98-82-8	
Methyl-tert-butyl ether	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	1634-04-4	
Methylene Chloride	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	75-09-2	
Styrene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	100-42-5	
Tetrachloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	127-18-4	
Toluene	0.0030 U	mg/kg	0.0056	0.0030	1		07/03/17 17:39	108-88-3	
Trichloroethene	0.0031 U	mg/kg	0.0056	0.0031	1		07/03/17 17:39	79-01-6	
Trichlorofluoromethane	0.0030 U	mg/kg	0.0056	0.0030	1		07/03/17 17:39	75-69-4	
Vinyl acetate	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	108-05-4	
Vinyl chloride	0.0030 U	mg/kg	0.0056	0.0030	1		07/03/17 17:39	75-01-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Sample: SB-17 (0-6") **Lab ID: 35320618007** Collected: 06/27/17 12:10 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Xylene (Total)	0.0057 U	mg/kg	0.017	0.0057	1		07/03/17 17:39	1330-20-7	
cis-1,2-Dichloroethene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	156-59-2	
cis-1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	10061-01-5	
m&p-Xylene	0.0057 U	mg/kg	0.011	0.0057	1		07/03/17 17:39	179601-23-1	
n-Butylbenzene	0.0033 U	mg/kg	0.0056	0.0033	1		07/03/17 17:39	104-51-8	
n-Propylbenzene	0.0029 U	mg/kg	0.0056	0.0029	1		07/03/17 17:39	103-65-1	
o-Xylene	0.0029 U	mg/kg	0.0056	0.0029	1		07/03/17 17:39	95-47-6	
p-Isopropyltoluene	0.0033 U	mg/kg	0.0056	0.0033	1		07/03/17 17:39	99-87-6	
sec-Butylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		07/03/17 17:39	135-98-8	
tert-Butylbenzene	0.0032 U	mg/kg	0.0056	0.0032	1		07/03/17 17:39	98-06-6	
trans-1,2-Dichloroethene	0.0034 U	mg/kg	0.0056	0.0034	1		07/03/17 17:39	156-60-5	
trans-1,3-Dichloropropene	0.0028 U	mg/kg	0.0056	0.0028	1		07/03/17 17:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	55-148		1		07/03/17 17:39	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		07/03/17 17:39	17060-07-0	
Toluene-d8 (S)	103	%	84-117		1		07/03/17 17:39	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	1.5	%	0.10	0.10	1		07/05/17 17:10		

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-17 (6"-2') Lab ID: 35320618008 Collected: 06/27/17 12:20 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	14.1	mg/kg	0.53	0.26	1	07/04/17 10:40	07/06/17 01:37	7440-38-2	
Lead	81.5	mg/kg	0.53	0.26	1	07/04/17 10:40	07/06/17 01:37	7439-92-1	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 07/12/17 18:47									
Arsenic	0.036	mg/L	0.010	0.0050	1	07/15/17 10:01	07/19/17 04:18	7440-38-2	
Analytical Method: EPA 7471									
Mercury	0.0093	mg/kg	0.0081	0.0040	1		06/30/17 14:30	7439-97-6	
8270 MSSV Short List Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.061 U	mg/kg	0.17	0.061	5	06/30/17 06:01	07/01/17 05:38	83-32-9	
Acenaphthylene	0.076 I	mg/kg	0.17	0.052	5	06/30/17 06:01	07/01/17 05:38	208-96-8	
Anthracene	0.055 I	mg/kg	0.17	0.051	5	06/30/17 06:01	07/01/17 05:38	120-12-7	
Benzo(a)anthracene	0.12 I	mg/kg	0.17	0.048	5	06/30/17 06:01	07/01/17 05:38	56-55-3	
Benzo(a)pyrene	0.14 I	mg/kg	0.17	0.019	5	06/30/17 06:01	07/01/17 05:38	50-32-8	
Benzo(b)fluoranthene	0.24	mg/kg	0.17	0.13	5	06/30/17 06:01	07/01/17 05:38	205-99-2	
Benzo(g,h,i)perylene	0.12 I	mg/kg	0.17	0.060	5	06/30/17 06:01	07/01/17 05:38	191-24-2	
Benzo(k)fluoranthene	0.12 I	mg/kg	0.17	0.036	5	06/30/17 06:01	07/01/17 05:38	207-08-9	
Chrysene	0.13 I	mg/kg	0.17	0.059	5	06/30/17 06:01	07/01/17 05:38	218-01-9	
Dibenz(a,h)anthracene	0.084 U	mg/kg	0.17	0.084	5	06/30/17 06:01	07/01/17 05:38	53-70-3	
Fluoranthene	0.17	mg/kg	0.17	0.054	5	06/30/17 06:01	07/01/17 05:38	206-44-0	
Fluorene	0.075 U	mg/kg	0.17	0.075	5	06/30/17 06:01	07/01/17 05:38	86-73-7	
Indeno(1,2,3-cd)pyrene	0.091 I	mg/kg	0.17	0.084	5	06/30/17 06:01	07/01/17 05:38	193-39-5	
1-Methylnaphthalene	0.059 U	mg/kg	0.17	0.059	5	06/30/17 06:01	07/01/17 05:38	90-12-0	
2-Methylnaphthalene	0.068 U	mg/kg	0.17	0.068	5	06/30/17 06:01	07/01/17 05:38	91-57-6	
Naphthalene	0.054 U	mg/kg	0.17	0.054	5	06/30/17 06:01	07/01/17 05:38	91-20-3	
Phenanthrene	0.063 U	mg/kg	0.17	0.063	5	06/30/17 06:01	07/01/17 05:38	85-01-8	
Pyrene	0.18	mg/kg	0.17	0.084	5	06/30/17 06:01	07/01/17 05:38	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	75	%	16-123		5	06/30/17 06:01	07/01/17 05:38	4165-60-0	
2-Fluorobiphenyl (S)	67	%	32-129		5	06/30/17 06:01	07/01/17 05:38	321-60-8	
Terphenyl-d14 (S)	66	%	38-138		5	06/30/17 06:01	07/01/17 05:38	1718-51-0	
8260 MSV 5035 Low Level									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	630-20-6	
1,1,1-Trichloroethane	0.0025 U	mg/kg	0.0045	0.0025	1		07/03/17 18:02	71-55-6	
1,1,2,2-Tetrachloroethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	79-34-5	
1,1,2-Trichloroethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	79-00-5	
1,1-Dichloroethane	0.0025 U	mg/kg	0.0045	0.0025	1		07/03/17 18:02	75-34-3	
1,1-Dichloroethene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	75-35-4	
1,1-Dichloropropene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	563-58-6	
1,2,3-Trichlorobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	87-61-6	
1,2,3-Trichloropropane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	96-18-4	
1,2,3-Trimethylbenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	526-73-8	N2

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-17 (6"-2') Lab ID: 35320618008 Collected: 06/27/17 12:20 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	120-82-1	
1,2,4-Trimethylbenzene	0.0025 U	mg/kg	0.0045	0.0025	1		07/03/17 18:02	95-63-6	
1,2-Dichlorobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	95-50-1	
1,2-Dichloroethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	107-06-2	
1,2-Dichloropropane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	78-87-5	
1,3,5-Trimethylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		07/03/17 18:02	108-67-8	
1,3-Dichlorobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	541-73-1	
1,3-Dichloropropane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	142-28-9	
1,3-Dichloropropene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	542-75-6	
1,4-Dichlorobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	106-46-7	
2,2-Dichloropropane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	594-20-7	
2-Butanone (MEK)	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	78-93-3	
2-Chlorotoluene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	95-49-8	
2-Hexanone	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	591-78-6	
4-Chlorotoluene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	108-10-1	
Acetone	0.16	mg/kg	0.018	0.0090	1		07/03/17 18:02	67-64-1	
Acetonitrile	0.023 U	mg/kg	0.045	0.023	1		07/03/17 18:02	75-05-8	
Benzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	71-43-2	
Bromobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	108-86-1	
Bromochloromethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	74-97-5	
Bromodichloromethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	75-27-4	
Bromoform	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	75-25-2	
Bromomethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	74-83-9	
Carbon disulfide	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	75-15-0	
Carbon tetrachloride	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	56-23-5	
Chlorobenzene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	108-90-7	
Chloroethane	0.0032 U	mg/kg	0.0045	0.0032	1		07/03/17 18:02	75-00-3	
Chloroform	0.0027 U	mg/kg	0.0045	0.0027	1		07/03/17 18:02	67-66-3	
Chloromethane	0.0025 U	mg/kg	0.0045	0.0025	1		07/03/17 18:02	74-87-3	
Dibromochloromethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	124-48-1	
Dibromomethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	74-95-3	
Dichlorodifluoromethane	0.0024 U	mg/kg	0.0045	0.0024	1		07/03/17 18:02	75-71-8	
Ethylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		07/03/17 18:02	100-41-4	
Iodomethane	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	74-88-4	
Isopropylbenzene (Cumene)	0.0026 U	mg/kg	0.0045	0.0026	1		07/03/17 18:02	98-82-8	
Methyl-tert-butyl ether	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	1634-04-4	
Methylene Chloride	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	75-09-2	
Styrene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	100-42-5	
Tetrachloroethene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	127-18-4	
Toluene	0.0024 U	mg/kg	0.0045	0.0024	1		07/03/17 18:02	108-88-3	
Trichloroethene	0.0025 U	mg/kg	0.0045	0.0025	1		07/03/17 18:02	79-01-6	
Trichlorofluoromethane	0.0025 U	mg/kg	0.0045	0.0025	1		07/03/17 18:02	75-69-4	
Vinyl acetate	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	108-05-4	
Vinyl chloride	0.0024 U	mg/kg	0.0045	0.0024	1		07/03/17 18:02	75-01-4	

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ANALYTICAL RESULTS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

Sample: SB-17 (6"-2') **Lab ID: 35320618008** Collected: 06/27/17 12:20 Received: 06/27/17 18:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260							
Xylene (Total)	0.0046 U	mg/kg	0.014	0.0046	1		07/03/17 18:02	1330-20-7	
cis-1,2-Dichloroethene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	156-59-2	
cis-1,3-Dichloropropene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	10061-01-5	
m&p-Xylene	0.0046 U	mg/kg	0.0090	0.0046	1		07/03/17 18:02	179601-23-1	
n-Butylbenzene	0.0027 U	mg/kg	0.0045	0.0027	1		07/03/17 18:02	104-51-8	
n-Propylbenzene	0.0024 U	mg/kg	0.0045	0.0024	1		07/03/17 18:02	103-65-1	
o-Xylene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	95-47-6	
p-Isopropyltoluene	0.0027 U	mg/kg	0.0045	0.0027	1		07/03/17 18:02	99-87-6	
sec-Butylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		07/03/17 18:02	135-98-8	
tert-Butylbenzene	0.0026 U	mg/kg	0.0045	0.0026	1		07/03/17 18:02	98-06-6	
trans-1,2-Dichloroethene	0.0028 U	mg/kg	0.0045	0.0028	1		07/03/17 18:02	156-60-5	
trans-1,3-Dichloropropene	0.0023 U	mg/kg	0.0045	0.0023	1		07/03/17 18:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	55-148		1		07/03/17 18:02	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-131		1		07/03/17 18:02	17060-07-0	
Toluene-d8 (S)	104	%	84-117		1		07/03/17 18:02	2037-26-5	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	0.79	%	0.10	0.10	1		07/05/17 17:10		

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

QC Batch: 381173 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET SPLP
Associated Lab Samples: 35320618001, 35320618002, 35320618005, 35320618006, 35320618007, 35320618008

METHOD BLANK: 2068089 Matrix: Water
Associated Lab Samples: 35320618001, 35320618002, 35320618005, 35320618006, 35320618007, 35320618008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	0.0050 U	0.010	0.0050	07/19/17 03:12	

LABORATORY CONTROL SAMPLE: 2068090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.25	0.25	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2068091 2068092

Parameter	Units	2068091		2068092		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35320618001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Arsenic	mg/L	0.037	.25	.25	0.30	0.30	106	104	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

QC Batch: 378209

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035 Low Level

Associated Lab Samples: 35320618003, 35320618004

METHOD BLANK: 2049618

Matrix: Solid

Associated Lab Samples: 35320618003, 35320618004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/30/17 04:06	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	06/30/17 04:06	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	06/30/17 04:06	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/30/17 04:06	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/30/17 04:06	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	06/30/17 04:06	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Acetone	mg/kg	0.031	0.020	0.010	06/30/17 04:06	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	06/30/17 04:06	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	06/30/17 04:06	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	06/30/17 04:06	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	06/30/17 04:06	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	06/30/17 04:06	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

METHOD BLANK: 2049618

Matrix: Solid

Associated Lab Samples: 35320618003, 35320618004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/30/17 04:06	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	06/30/17 04:06	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	06/30/17 04:06	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	06/30/17 04:06	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	06/30/17 04:06	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	06/30/17 04:06	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	06/30/17 04:06	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	06/30/17 04:06	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/30/17 04:06	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	06/30/17 04:06	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	06/30/17 04:06	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	06/30/17 04:06	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	06/30/17 04:06	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	06/30/17 04:06	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	06/30/17 04:06	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	06/30/17 04:06	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	06/30/17 04:06	
1,2-Dichloroethane-d4 (S)	%	97	80-131		06/30/17 04:06	
4-Bromofluorobenzene (S)	%	102	55-148		06/30/17 04:06	
Toluene-d8 (S)	%	103	84-117		06/30/17 04:06	

LABORATORY CONTROL SAMPLE: 2049619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.021	107	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.021	107	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	100	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	105	70-130	
1,1-Dichloroethane	mg/kg	.02	0.020	101	69-130	
1,1-Dichloroethene	mg/kg	.02	0.020	102	67-130	
1,1-Dichloropropene	mg/kg	.02	0.021	105	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.022	110	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.020	101	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.021	105	67-130 N2	
1,2,4-Trichlorobenzene	mg/kg	.02	0.022	112	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2049619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	.02	0.020	99	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.021	103	70-130	
1,2-Dichloroethane	mg/kg	.02	0.021	105	70-130	
1,2-Dichloropropane	mg/kg	.02	0.020	103	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.021	104	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.021	104	70-130	
1,3-Dichloropropane	mg/kg	.02	0.020	103	70-130	
1,3-Dichloropropene	mg/kg	.04	0.042	107	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	103	70-130	
2,2-Dichloropropane	mg/kg	.02	0.021	107	70-130	
2-Butanone (MEK)	mg/kg	.04	0.036	90	51-161	
2-Chlorotoluene	mg/kg	.02	0.020	102	70-130	
2-Hexanone	mg/kg	.04	0.036	91	59-137	
4-Chlorotoluene	mg/kg	.02	0.021	104	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.039	97	64-143	
Acetone	mg/kg	.04	0.071	179	32-175 J(L1)	
Acetonitrile	mg/kg	.2	0.16	82	68-131	
Benzene	mg/kg	.02	0.021	108	70-130	
Bromobenzene	mg/kg	.02	0.020	102	70-130	
Bromochloromethane	mg/kg	.02	0.022	112	70-130	
Bromodichloromethane	mg/kg	.02	0.021	104	70-130	
Bromoform	mg/kg	.02	0.019	94	70-130	
Bromomethane	mg/kg	.02	0.020	101	42-156	
Carbon disulfide	mg/kg	.02	0.016	81	49-152	
Carbon tetrachloride	mg/kg	.02	0.020	102	65-132	
Chlorobenzene	mg/kg	.02	0.021	107	70-130	
Chloroethane	mg/kg	.02	0.025	127	56-146	
Chloroform	mg/kg	.02	0.021	105	69-130	
Chloromethane	mg/kg	.02	0.019	97	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.021	106	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.022	109	70-130	
Dibromochloromethane	mg/kg	.02	0.020	102	70-130	
Dibromomethane	mg/kg	.02	0.022	112	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.023	118	58-138	
Ethylbenzene	mg/kg	.02	0.021	104	70-130	
Iodomethane	mg/kg	.04	0.037	92	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	107	70-130	
m&p-Xylene	mg/kg	.04	0.040	101	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.018	92	70-130	
Methylene Chloride	mg/kg	.02	0.020	101	40-159	
n-Butylbenzene	mg/kg	.02	0.020	100	70-130	
n-Propylbenzene	mg/kg	.02	0.020	100	70-130	
o-Xylene	mg/kg	.02	0.020	101	70-130	
p-Isopropyltoluene	mg/kg	.02	0.021	103	70-130	
sec-Butylbenzene	mg/kg	.02	0.020	101	70-130	
Styrene	mg/kg	.02	0.021	107	70-130	
tert-Butylbenzene	mg/kg	.02	0.021	104	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2049619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.020	102	63-130	
Toluene	mg/kg	.02	0.021	104	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.019	95	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.021	105	70-130	
Trichloroethene	mg/kg	.02	0.022	109	69-130	
Trichlorofluoromethane	mg/kg	.02	0.024	118	67-130	
Vinyl acetate	mg/kg	.02	0.017	88	53-146	
Vinyl chloride	mg/kg	.02	0.019	94	67-130	
Xylene (Total)	mg/kg	.06	0.060	101	70-130	
1,2-Dichloroethane-d4 (S)	%			100	80-131	
4-Bromofluorobenzene (S)	%			103	55-148	
Toluene-d8 (S)	%			103	84-117	

MATRIX SPIKE SAMPLE: 2050635

Parameter	Units	35320463001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0032 U	.02	0.015	78	42-130	
1,1,1-Trichloroethane	mg/kg	0.0035 U	.02	0.026	132	42-131	J(M1)
1,1,2,2-Tetrachloroethane	mg/kg	0.0032 U	.02	0.028	139	50-130	J(M1)
1,1,2-Trichloroethane	mg/kg	0.0032 U	.02	0.029	146	59-130	J(M1)
1,1-Dichloroethane	mg/kg	0.0035 U	.02	0.027	137	50-130	J(M1)
1,1-Dichloroethene	mg/kg	0.0032 U	.02	0.029	146	51-130	J(M1)
1,1-Dichloropropene	mg/kg	0.0033 U	.02	0.021	106	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0032 U	.02	0.0084	43	20-143	
1,2,3-Trichloropropane	mg/kg	0.0032 U	.02	0.031	159	49-130	J(M1)
1,2,3-Trimethylbenzene	mg/kg	0.11	.02	0.032	-373	20-130	J(M1),N2
1,2,4-Trichlorobenzene	mg/kg	0.0032 U	.02	0.0075	38	20-142	
1,2,4-Trimethylbenzene	mg/kg	0.18	.02	0.060	-582	20-133	
1,2-Dichlorobenzene	mg/kg	0.0032 U	.02	0.0094	48	20-134	
1,2-Dichloroethane	mg/kg	0.0032 U	.02	0.027	137	57-130	J(M1)
1,2-Dichloropropane	mg/kg	0.0032 U	.02	0.024	121	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.12	.02	0.028	-474	26-130	J(M1)
1,3-Dichlorobenzene	mg/kg	0.0032 U	.02	0.0077	39	20-133	
1,3-Dichloropropane	mg/kg	0.0032 U	.02	0.024	124	57-130	
1,3-Dichloropropene	mg/kg	0.0032 U	.039	0.026	65	33-130	
1,4-Dichlorobenzene	mg/kg	0.0032 U	.02	0.0078	40	20-134	
2,2-Dichloropropane	mg/kg	0.0033 U	.02	0.027	135	35-130	J(M1)
2-Butanone (MEK)	mg/kg	0.23	.039	0.12	-288	20-217	J(M1)
2-Chlorotoluene	mg/kg	0.0032 U	.02	0.0083	42	26-130	
2-Hexanone	mg/kg	0.0032 U	.039	0.054	137	20-136	J(M1)
4-Chlorotoluene	mg/kg	0.0032 U	.02	0.0070	36	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0032 U	.039	0.065	165	21-151	J(M1)
Acetone	mg/kg	0.14	.039	0.22	198	20-219	
Acetonitrile	mg/kg	0.032 U	.2	0.20	99	32-150	
Benzene	mg/kg	0.18	.02	0.099	-422	24-141	J(M1)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

MATRIX SPIKE SAMPLE: 2050635		35320463001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromobenzene	mg/kg	0.0032 U	.02	0.012	63	20-138	
Bromochloromethane	mg/kg	0.0032 U	.02	0.028	142	53-141	J(M1)
Bromodichloromethane	mg/kg	0.0032 U	.02	0.022	112	20-155	
Bromoform	mg/kg	0.0032 U	.02	0.016	83	30-130	
Bromomethane	mg/kg	0.0032 U	.02	0.019	94	22-152	
Carbon disulfide	mg/kg	0.0097	.02	0.027	88	20-160	
Carbon tetrachloride	mg/kg	0.0032 U	.02	0.022	111	23-141	
Chlorobenzene	mg/kg	0.0032 U	.02	0.013	65	34-130	
Chloroethane	mg/kg	0.0046 U	.02	0.030	152	43-146	J(M1)
Chloroform	mg/kg	0.0038 U	.02	0.025	126	42-132	
Chloromethane	mg/kg	0.0036 U	.02	0.031	156	31-144	J(M1)
cis-1,2-Dichloroethene	mg/kg	0.0032 U	.02	0.025	127	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0032 U	.02	0.012	60	33-132	
Dibromochloromethane	mg/kg	0.0032 U	.02	0.020	101	20-151	
Dibromomethane	mg/kg	0.0032 U	.02	0.028	141	49-137	J(M1)
Dichlorodifluoromethane	mg/kg	0.0034 U	.02	0.047	238	39-130	J(M1)
Ethylbenzene	mg/kg	0.16	.02	0.049	-584	30-130	J(M1)
Iodomethane	mg/kg	0.0032 U	.039	0.030	77	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.037	.02	0.012	-123	28-130	J(M1)
m&p-Xylene	mg/kg	0.72	.039	0.20	-1310	27-150	J(M1)
Methyl-tert-butyl ether	mg/kg	0.0032 U	.02	0.026	130	31-156	
Methylene Chloride	mg/kg	0.0032 U	.02	0.016	81	20-150	
n-Butylbenzene	mg/kg	0.018	.02	0.0073	-55	20-132	J(M1)
n-Propylbenzene	mg/kg	0.053	.02	0.013	-199	24-130	J(M1)
o-Xylene	mg/kg	0.30	.02	0.092	-1070	27-150	J(M1)
p-Isopropyltoluene	mg/kg	0.016	.02	0.0068	-48	20-133	J(M1)
sec-Butylbenzene	mg/kg	0.017	.02	0.0062 I	-56	20-131	J(M1)
Styrene	mg/kg	0.0033 I	.02	0.014	53	20-137	
tert-Butylbenzene	mg/kg	0.0037 U	.02	0.0063 I	24	20-131	
Tetrachloroethene	mg/kg	0.0032 U	.02	0.010	51	23-144	
Toluene	mg/kg	0.44	.02	0.21	-1150	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0039 U	.02	0.026	133	50-130	J(M1)
trans-1,3-Dichloropropene	mg/kg	0.0032 U	.02	0.014	70	33-130	
Trichloroethene	mg/kg	0.0036 U	.02	0.018	92	42-130	
Trichlorofluoromethane	mg/kg	0.0035 U	.02	0.037	189	40-130	J(M1)
Vinyl acetate	mg/kg	0.0032 U	.02	0.0076	38	20-156	
Vinyl chloride	mg/kg	0.0034 U	.02	0.032	163	47-130	J(M1)
Xylene (Total)	mg/kg	1.0	.06	0.29	-1230	26-130	MS
1,2-Dichloroethane-d4 (S)	%				125	80-131	
4-Bromofluorobenzene (S)	%				124	55-148	
Toluene-d8 (S)	%				131	84-117	J(S0)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

SAMPLE DUPLICATE: 2050636

Parameter	Units	35320627003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,1,1-Trichloroethane	mg/kg	4.4 U ug/kg	0.0044 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,1,2-Trichloroethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,1-Dichloroethane	mg/kg	4.4 U ug/kg	0.0044 U		40	
1,1-Dichloroethene	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,1-Dichloropropene	mg/kg	4.1 U ug/kg	0.0041 U		40	
1,2,3-Trichlorobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,2,3-Trichloropropane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,2,3-Trimethylbenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,2,4-Trimethylbenzene	mg/kg	4.5 U ug/kg	0.0045 U		40	
1,2-Dichlorobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,2-Dichloroethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,2-Dichloropropane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,3,5-Trimethylbenzene	mg/kg	4.7 U ug/kg	0.0047 U		40	
1,3-Dichlorobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,3-Dichloropropane	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,3-Dichloropropene	mg/kg	4.0 U ug/kg	0.0040 U		40	
1,4-Dichlorobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
2,2-Dichloropropane	mg/kg	4.2 U ug/kg	0.0042 U		40	
2-Butanone (MEK)	mg/kg	4.0 U ug/kg	0.0040 U		40	
2-Chlorotoluene	mg/kg	4.1 U ug/kg	0.0041 U		40	
2-Hexanone	mg/kg	4.0 U ug/kg	0.0040 U		40	
4-Chlorotoluene	mg/kg	4.0 U ug/kg	0.0040 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	4.0 U ug/kg	0.0040 U		40	
Acetone	mg/kg	26.0 l ug/kg	0.016 U		40	
Acetonitrile	mg/kg	40.4 U ug/kg	0.040 U		40	
Benzene	mg/kg	4.1 U ug/kg	0.0041 U		40	
Bromobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
Bromochloromethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
Bromodichloromethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
Bromoform	mg/kg	4.0 U ug/kg	0.0040 U		40	
Bromomethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
Carbon disulfide	mg/kg	4.0 U ug/kg	0.0040 U		40	
Carbon tetrachloride	mg/kg	4.0 U ug/kg	0.0040 U		40	
Chlorobenzene	mg/kg	4.0 U ug/kg	0.0040 U		40	
Chloroethane	mg/kg	5.8 U ug/kg	0.0058 U		40	
Chloroform	mg/kg	4.8 U ug/kg	0.0048 U		40	
Chloromethane	mg/kg	4.5 U ug/kg	0.0045 U		40	
cis-1,2-Dichloroethene	mg/kg	4.0 U ug/kg	0.0040 U		40	
cis-1,3-Dichloropropene	mg/kg	4.0 U ug/kg	0.0040 U		40	
Dibromochloromethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
Dibromomethane	mg/kg	4.0 U ug/kg	0.0040 U		40	
Dichlorodifluoromethane	mg/kg	4.3 U ug/kg	0.0043 U		40	
Ethylbenzene	mg/kg	4.6 U ug/kg	0.0046 U		40	
Iodomethane	mg/kg	4.0 U ug/kg	0.0040 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

SAMPLE DUPLICATE: 2050636

Parameter	Units	35320627003 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	mg/kg	4.7 U ug/kg	0.0047 U		40	
m&p-Xylene	mg/kg	8.3 U ug/kg	0.0083 U		40	
Methyl-tert-butyl ether	mg/kg	4.0 U ug/kg	0.0040 U		40	
Methylene Chloride	mg/kg	4.0 U ug/kg	0.0040 U		40	
n-Butylbenzene	mg/kg	4.9 U ug/kg	0.0049 U		40	
n-Propylbenzene	mg/kg	4.3 U ug/kg	0.0043 U		40	
o-Xylene	mg/kg	4.2 U ug/kg	0.0042 U		40	
p-Isopropyltoluene	mg/kg	4.9 U ug/kg	0.0049 U		40	
sec-Butylbenzene	mg/kg	4.7 U ug/kg	0.0047 U		40	
Styrene	mg/kg	4.0 U ug/kg	0.0040 U		40	
tert-Butylbenzene	mg/kg	4.7 U ug/kg	0.0047 U		40	
Tetrachloroethene	mg/kg	4.0 U ug/kg	0.0040 U		40	
Toluene	mg/kg	4.4 U ug/kg	0.0044 U		40	
trans-1,2-Dichloroethene	mg/kg	4.9 U ug/kg	0.0049 U		40	
trans-1,3-Dichloropropene	mg/kg	4.0 U ug/kg	0.0040 U		40	
Trichloroethene	mg/kg	4.6 U ug/kg	0.0046 U		40	
Trichlorofluoromethane	mg/kg	4.4 U ug/kg	0.0044 U		40	
Vinyl acetate	mg/kg	4.1 U ug/kg	0.0041 U		40	
Vinyl chloride	mg/kg	4.4 U ug/kg	0.0044 U		40	
Xylene (Total)	mg/kg	8.3 U ug/kg	0.0083 U		40	
1,2-Dichloroethane-d4 (S)	%	91	96	0	40	
4-Bromofluorobenzene (S)	%	80	87	2	40	
Toluene-d8 (S)	%	87	91	0	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

QC Batch: 378752 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low Level
Associated Lab Samples: 35320618001, 35320618002, 35320618005, 35320618006, 35320618007, 35320618008

METHOD BLANK: 2052638 Matrix: Solid
Associated Lab Samples: 35320618001, 35320618002, 35320618005, 35320618006, 35320618007, 35320618008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	07/03/17 11:53	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	07/03/17 11:53	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,1-Dichloropropene	mg/kg	0.0026 U	0.0050	0.0026	07/03/17 11:53	
1,2,3-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,2,3-Trimethylbenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	N2
1,2,4-Trichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,2,4-Trimethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	07/03/17 11:53	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,3,5-Trimethylbenzene	mg/kg	0.0029 U	0.0050	0.0029	07/03/17 11:53	
1,3-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,3-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
2,2-Dichloropropane	mg/kg	0.0026 U	0.0050	0.0026	07/03/17 11:53	
2-Butanone (MEK)	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
2-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
2-Hexanone	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
4-Chlorotoluene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Acetone	mg/kg	0.010 U	0.020	0.010	07/03/17 11:53	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	07/03/17 11:53	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	07/03/17 11:53	
Bromobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	07/03/17 11:53	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	07/03/17 11:53	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	07/03/17 11:53	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

METHOD BLANK: 2052638

Matrix: Solid

Associated Lab Samples: 35320618001, 35320618002, 35320618005, 35320618006, 35320618007, 35320618008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Dichlorodifluoromethane	mg/kg	0.0027 U	0.0050	0.0027	07/03/17 11:53	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	07/03/17 11:53	
Iodomethane	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	07/03/17 11:53	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	07/03/17 11:53	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
n-Butylbenzene	mg/kg	0.0030 U	0.0050	0.0030	07/03/17 11:53	
n-Propylbenzene	mg/kg	0.0026 U	0.0050	0.0026	07/03/17 11:53	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	07/03/17 11:53	
p-Isopropyltoluene	mg/kg	0.0030 U	0.0050	0.0030	07/03/17 11:53	
sec-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	07/03/17 11:53	
Styrene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
tert-Butylbenzene	mg/kg	0.0029 U	0.0050	0.0029	07/03/17 11:53	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	07/03/17 11:53	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	07/03/17 11:53	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	07/03/17 11:53	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	07/03/17 11:53	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	07/03/17 11:53	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	07/03/17 11:53	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	07/03/17 11:53	
1,2-Dichloroethane-d4 (S)	%	91	80-131		07/03/17 11:53	
4-Bromofluorobenzene (S)	%	100	55-148		07/03/17 11:53	
Toluene-d8 (S)	%	101	84-117		07/03/17 11:53	

LABORATORY CONTROL SAMPLE: 2052639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.019	98	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.020	101	68-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.018	93	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.019	98	70-130	
1,1-Dichloroethane	mg/kg	.02	0.018	93	69-130	
1,1-Dichloroethene	mg/kg	.02	0.019	95	67-130	
1,1-Dichloropropene	mg/kg	.02	0.019	97	70-130	
1,2,3-Trichlorobenzene	mg/kg	.02	0.020	102	70-130	
1,2,3-Trichloropropane	mg/kg	.02	0.020	100	70-130	
1,2,3-Trimethylbenzene	mg/kg	.02	0.019	96	67-130 N2	
1,2,4-Trichlorobenzene	mg/kg	.02	0.020	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2052639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	.02	0.018	90	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.019	96	70-130	
1,2-Dichloroethane	mg/kg	.02	0.019	95	70-130	
1,2-Dichloropropane	mg/kg	.02	0.018	91	70-130	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	94	70-130	
1,3-Dichlorobenzene	mg/kg	.02	0.019	97	70-130	
1,3-Dichloropropane	mg/kg	.02	0.019	98	70-130	
1,3-Dichloropropene	mg/kg	.04	0.039	97	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.019	94	70-130	
2,2-Dichloropropane	mg/kg	.02	0.019	97	70-130	
2-Butanone (MEK)	mg/kg	.04	0.035	87	51-161	
2-Chlorotoluene	mg/kg	.02	0.019	96	70-130	
2-Hexanone	mg/kg	.04	0.034	84	59-137	
4-Chlorotoluene	mg/kg	.02	0.019	94	70-130	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.034	84	64-143	
Acetone	mg/kg	.04	0.036	90	32-175	
Acetonitrile	mg/kg	.2	0.15	77	68-131	
Benzene	mg/kg	.02	0.019	97	70-130	
Bromobenzene	mg/kg	.02	0.019	94	70-130	
Bromochloromethane	mg/kg	.02	0.020	103	70-130	
Bromodichloromethane	mg/kg	.02	0.018	91	70-130	
Bromoform	mg/kg	.02	0.018	89	70-130	
Bromomethane	mg/kg	.02	0.018	89	42-156	
Carbon disulfide	mg/kg	.02	0.015	78	49-152	
Carbon tetrachloride	mg/kg	.02	0.019	96	65-132	
Chlorobenzene	mg/kg	.02	0.019	97	70-130	
Chloroethane	mg/kg	.02	0.027	134	56-146	
Chloroform	mg/kg	.02	0.019	95	69-130	
Chloromethane	mg/kg	.02	0.019	94	50-145	
cis-1,2-Dichloroethene	mg/kg	.02	0.019	97	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	96	70-130	
Dibromochloromethane	mg/kg	.02	0.019	98	70-130	
Dibromomethane	mg/kg	.02	0.020	101	68-133	
Dichlorodifluoromethane	mg/kg	.02	0.022	108	58-138	
Ethylbenzene	mg/kg	.02	0.019	94	70-130	
Iodomethane	mg/kg	.04	0.030	75	59-142	
Isopropylbenzene (Cumene)	mg/kg	.02	0.019	97	70-130	
m&p-Xylene	mg/kg	.04	0.036	91	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.016	81	70-130	
Methylene Chloride	mg/kg	.02	0.014	71	40-159	
n-Butylbenzene	mg/kg	.02	0.018	92	70-130	
n-Propylbenzene	mg/kg	.02	0.018	92	70-130	
o-Xylene	mg/kg	.02	0.018	93	70-130	
p-Isopropyltoluene	mg/kg	.02	0.019	96	70-130	
sec-Butylbenzene	mg/kg	.02	0.019	95	70-130	
Styrene	mg/kg	.02	0.019	96	70-130	
tert-Butylbenzene	mg/kg	.02	0.019	98	70-130	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2052639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	.02	0.020	98	63-130	
Toluene	mg/kg	.02	0.019	95	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.020	102	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.019	98	70-130	
Trichloroethene	mg/kg	.02	0.019	97	69-130	
Trichlorofluoromethane	mg/kg	.02	0.025	126	67-130	
Vinyl acetate	mg/kg	.02	0.016	81	53-146	
Vinyl chloride	mg/kg	.02	0.019	98	67-130	
Xylene (Total)	mg/kg	.06	0.055	91	70-130	
1,2-Dichloroethane-d4 (S)	%			99	80-131	
4-Bromofluorobenzene (S)	%			102	55-148	
Toluene-d8 (S)	%			95	84-117	

MATRIX SPIKE SAMPLE: 2052737

Parameter	Units	35321192008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0046 U	.023	0.024	105	42-130	
1,1,1-Trichloroethane	mg/kg	0.0050 U	.023	0.030	132	42-131	J(M1)
1,1,2,2-Tetrachloroethane	mg/kg	0.0046 U	.023	0.025	108	50-130	
1,1,2-Trichloroethane	mg/kg	0.0046 U	.023	0.028	123	59-130	
1,1-Dichloroethane	mg/kg	0.0050 U	.023	0.030	131	50-130	J(M1)
1,1-Dichloroethene	mg/kg	0.0046 U	.023	0.029	126	51-130	
1,1-Dichloropropene	mg/kg	0.0047 U	.023	0.030	130	41-130	
1,2,3-Trichlorobenzene	mg/kg	0.0046 U	.023	0.0097	43	20-143	
1,2,3-Trichloropropane	mg/kg	0.0046 U	.023	0.027	117	49-130	
1,2,3-Trimethylbenzene	mg/kg	0.0046 U	.023	0.015	66	20-130	N2
1,2,4-Trichlorobenzene	mg/kg	0.0046 U	.023	0.010	45	20-142	
1,2,4-Trimethylbenzene	mg/kg	0.0051 U	.023	0.014	64	20-133	
1,2-Dichlorobenzene	mg/kg	0.0046 U	.023	0.014	63	20-134	
1,2-Dichloroethane	mg/kg	0.0046 U	.023	0.028	123	57-130	
1,2-Dichloropropane	mg/kg	0.0046 U	.023	0.028	124	52-130	
1,3,5-Trimethylbenzene	mg/kg	0.0052 U	.023	0.016	71	26-130	
1,3-Dichlorobenzene	mg/kg	0.0046 U	.023	0.014	63	20-133	
1,3-Dichloropropane	mg/kg	0.0046 U	.023	0.027	120	57-130	
1,3-Dichloropropene	mg/kg	0.0046 U	.045	0.054	118	33-130	
1,4-Dichlorobenzene	mg/kg	0.0046 U	.023	0.014	61	20-134	
2,2-Dichloropropane	mg/kg	0.0047 U	.023	0.031	135	35-130	J(M1)
2-Butanone (MEK)	mg/kg	0.0046 U	.045	0.053	116	20-217	
2-Chlorotoluene	mg/kg	0.0046 U	.023	0.017	73	26-130	
2-Hexanone	mg/kg	0.0046 U	.045	0.054	120	20-136	
4-Chlorotoluene	mg/kg	0.0046 U	.023	0.016	69	21-132	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0046 U	.045	0.057	126	21-151	
Acetone	mg/kg	0.18	.045	0.10	-175	20-219	J(M1)
Acetonitrile	mg/kg	0.046 U	.23	0.23	102	32-150	
Benzene	mg/kg	0.0047 U	.023	0.029	127	24-141	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

MATRIX SPIKE SAMPLE: 2052737		35321192008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromobenzene	mg/kg	0.0046 U	.023	0.019	84	20-138	
Bromochloromethane	mg/kg	0.0046 U	.023	0.030	133	53-141	
Bromodichloromethane	mg/kg	0.0046 U	.023	0.026	116	20-155	
Bromoform	mg/kg	0.0046 U	.023	0.020	89	30-130	
Bromomethane	mg/kg	0.0046 U	.023	0.023	100	22-152	
Carbon disulfide	mg/kg	0.0046 U	.023	0.021	91	20-160	
Carbon tetrachloride	mg/kg	0.0046 U	.023	0.028	122	23-141	
Chlorobenzene	mg/kg	0.0046 U	.023	0.022	96	34-130	
Chloroethane	mg/kg	0.0065 U	.023	0.034	147	43-146	J(M1)
Chloroform	mg/kg	0.0054 U	.023	0.028	118	42-132	
Chloromethane	mg/kg	0.0051 U	.023	0.028	123	31-144	
cis-1,2-Dichloroethene	mg/kg	0.0046 U	.023	0.029	126	45-131	
cis-1,3-Dichloropropene	mg/kg	0.0046 U	.023	0.027	120	33-132	
Dibromochloromethane	mg/kg	0.0046 U	.023	0.024	107	20-151	
Dibromomethane	mg/kg	0.0046 U	.023	0.029	128	49-137	
Dichlorodifluoromethane	mg/kg	0.0048 U	.023	0.033	147	39-130	J(M1)
Ethylbenzene	mg/kg	0.0052 U	.023	0.021	91	30-130	
Iodomethane	mg/kg	0.0046 U	.045	0.045	100	20-155	
Isopropylbenzene (Cumene)	mg/kg	0.0053 U	.023	0.019	84	28-130	
m&p-Xylene	mg/kg	0.0094 U	.045	0.039	85	27-150	
Methyl-tert-butyl ether	mg/kg	0.0046 U	.023	0.022	94	31-156	
Methylene Chloride	mg/kg	0.031	.023	0.0097	-94	20-150	J(M1)
n-Butylbenzene	mg/kg	0.0055 U	.023	0.011	50	20-132	
n-Propylbenzene	mg/kg	0.0048 U	.023	0.016	70	24-130	
o-Xylene	mg/kg	0.0047 U	.023	0.019	86	27-150	
p-Isopropyltoluene	mg/kg	0.0055 U	.023	0.013	59	20-133	
sec-Butylbenzene	mg/kg	0.0053 U	.023	0.015	65	20-131	
Styrene	mg/kg	0.0046 U	.023	0.020	86	20-137	
tert-Butylbenzene	mg/kg	0.0052 U	.023	0.017	75	20-131	
Tetrachloroethene	mg/kg	0.0046 U	.023	0.022	96	23-144	
Toluene	mg/kg	0.0049 U	.023	0.025	110	24-137	
trans-1,2-Dichloroethene	mg/kg	0.0056 U	.023	0.032	139	50-130	J(M1)
trans-1,3-Dichloropropene	mg/kg	0.0046 U	.023	0.027	117	33-130	
Trichloroethene	mg/kg	0.0051 U	.023	0.027	120	42-130	
Trichlorofluoromethane	mg/kg	0.0050 U	.023	0.032	139	40-130	J(M1)
Vinyl acetate	mg/kg	0.0046 U	.023	0.014	61	20-156	
Vinyl chloride	mg/kg	0.0049 U	.023	0.027	118	47-130	
Xylene (Total)	mg/kg	0.0094 U	.069	0.058	85	26-130	
1,2-Dichloroethane-d4 (S)	%				100	80-131	
4-Bromofluorobenzene (S)	%				100	55-148	
Toluene-d8 (S)	%				102	84-117	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

SAMPLE DUPLICATE: 2052738

Parameter	Units	35321121001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0019 U	0.0016 U		40	
1,1,1-Trichloroethane	mg/kg	0.0021 U	0.0017 U		40	
1,1,2,2-Tetrachloroethane	mg/kg	0.0019 U	0.0016 U		40	
1,1,2-Trichloroethane	mg/kg	0.0019 U	0.0016 U		40	
1,1-Dichloroethane	mg/kg	0.0021 U	0.0017 U		40	
1,1-Dichloroethene	mg/kg	0.0019 U	0.0016 U		40	
1,1-Dichloropropene	mg/kg	0.0019 U	0.0016 U		40	
1,2,3-Trichlorobenzene	mg/kg	0.0019 U	0.0016 U		40	
1,2,3-Trichloropropane	mg/kg	0.0019 U	0.0016 U		40	
1,2,3-Trimethylbenzene	mg/kg	0.0019 U	0.0016 U		40	N2
1,2,4-Trichlorobenzene	mg/kg	0.0019 U	0.0016 U		40	
1,2,4-Trimethylbenzene	mg/kg	0.0021 U	0.0018 U		40	
1,2-Dichlorobenzene	mg/kg	0.0019 U	0.0016 U		40	
1,2-Dichloroethane	mg/kg	0.0019 U	0.0016 U		40	
1,2-Dichloropropane	mg/kg	0.0019 U	0.0016 U		40	
1,3,5-Trimethylbenzene	mg/kg	0.0022 U	0.0018 U		40	
1,3-Dichlorobenzene	mg/kg	0.0019 U	0.0016 U		40	
1,3-Dichloropropane	mg/kg	0.0019 U	0.0016 U		40	
1,3-Dichloropropene	mg/kg	0.0019 U	0.0016 U		40	
1,4-Dichlorobenzene	mg/kg	0.0019 U	0.0016 U		40	
2,2-Dichloropropane	mg/kg	0.0020 U	0.0016 U		40	
2-Butanone (MEK)	mg/kg	0.0019 U	0.0016 U		40	
2-Chlorotoluene	mg/kg	0.0019 U	0.0016 U		40	
2-Hexanone	mg/kg	0.0019 U	0.0016 U		40	
4-Chlorotoluene	mg/kg	0.0019 U	0.0016 U		40	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0019 U	0.0016 U		40	
Acetone	mg/kg	0.0098 I	0.0063 U		40	
Acetonitrile	mg/kg	0.019 U	0.016 U		40	
Benzene	mg/kg	0.0019 U	0.0016 U		40	
Bromobenzene	mg/kg	0.0019 U	0.0016 U		40	
Bromochloromethane	mg/kg	0.0019 U	0.0016 U		40	
Bromodichloromethane	mg/kg	0.0019 U	0.0016 U		40	
Bromoform	mg/kg	0.0019 U	0.0016 U		40	
Bromomethane	mg/kg	0.0019 U	0.0016 U		40	
Carbon disulfide	mg/kg	0.0019 U	0.0016 U		40	
Carbon tetrachloride	mg/kg	0.0019 U	0.0016 U		40	
Chlorobenzene	mg/kg	0.0019 U	0.0016 U		40	
Chloroethane	mg/kg	0.0027 U	0.0023 U		40	
Chloroform	mg/kg	0.0022 U	0.0019 U		40	
Chloromethane	mg/kg	0.0021 U	0.0018 U		40	
cis-1,2-Dichloroethene	mg/kg	0.0019 U	0.0016 U		40	
cis-1,3-Dichloropropene	mg/kg	0.0019 U	0.0016 U		40	
Dibromochloromethane	mg/kg	0.0019 U	0.0016 U		40	
Dibromomethane	mg/kg	0.0019 U	0.0016 U		40	
Dichlorodifluoromethane	mg/kg	0.0020 U	0.0017 U		40	
Ethylbenzene	mg/kg	0.0022 U	0.0018 U		40	
Iodomethane	mg/kg	0.0019 U	0.0016 U		40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

SAMPLE DUPLICATE: 2052738

Parameter	Units	35321121001 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	mg/kg	0.0022 U	0.0018 U		40	
m&p-Xylene	mg/kg	0.0039 U	0.0033 U		40	
Methyl-tert-butyl ether	mg/kg	0.0019 U	0.0016 U		40	
Methylene Chloride	mg/kg	0.0019 U	0.0016 U		40	
n-Butylbenzene	mg/kg	0.0023 U	0.0019 U		40	
n-Propylbenzene	mg/kg	0.0020 U	0.0017 U		40	
o-Xylene	mg/kg	0.0020 U	0.0016 U		40	
p-Isopropyltoluene	mg/kg	0.0023 U	0.0019 U		40	
sec-Butylbenzene	mg/kg	0.0022 U	0.0018 U		40	
Styrene	mg/kg	0.0019 U	0.0016 U		40	
tert-Butylbenzene	mg/kg	0.0022 U	0.0018 U		40	
Tetrachloroethene	mg/kg	0.0019 U	0.0016 U		40	
Toluene	mg/kg	0.0021 U	0.0017 U		40	
trans-1,2-Dichloroethene	mg/kg	0.0023 U	0.0019 U		40	
trans-1,3-Dichloropropene	mg/kg	0.0019 U	0.0016 U		40	
Trichloroethene	mg/kg	0.0021 U	0.0018 U		40	
Trichlorofluoromethane	mg/kg	0.0021 U	0.0017 U		40	
Vinyl acetate	mg/kg	0.0019 U	0.0016 U		40	
Vinyl chloride	mg/kg	0.0020 U	0.0017 U		40	
Xylene (Total)	mg/kg	0.0039 U	0.0033 U		40	
1,2-Dichloroethane-d4 (S)	%	101	103	16	40	
4-Bromofluorobenzene (S)	%	101	100	19	40	
Toluene-d8 (S)	%	103	102	19	40	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

QC Batch: 378128 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 35320618001, 35320618002, 35320618003, 35320618004, 35320618005, 35320618006

METHOD BLANK: 2048990 Matrix: Solid
 Associated Lab Samples: 35320618001, 35320618002, 35320618003, 35320618004, 35320618005, 35320618006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	06/30/17 17:21	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	06/30/17 17:21	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	06/30/17 17:21	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	06/30/17 17:21	
Anthracene	mg/kg	0.010 U	0.033	0.010	06/30/17 17:21	
Benzo(a)anthracene	mg/kg	0.0095 U	0.033	0.0095	06/30/17 17:21	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	06/30/17 17:21	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	06/30/17 17:21	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	06/30/17 17:21	
Benzo(k)fluoranthene	mg/kg	0.0071 U	0.033	0.0071	06/30/17 17:21	
Chrysene	mg/kg	0.012 U	0.033	0.012	06/30/17 17:21	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	06/30/17 17:21	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	06/30/17 17:21	
Fluorene	mg/kg	0.015 U	0.033	0.015	06/30/17 17:21	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	06/30/17 17:21	
Naphthalene	mg/kg	0.011 U	0.033	0.011	06/30/17 17:21	
Phenanthrene	mg/kg	0.012 U	0.033	0.012	06/30/17 17:21	
Pyrene	mg/kg	0.017 U	0.033	0.017	06/30/17 17:21	
2-Fluorobiphenyl (S)	%	71	32-129		06/30/17 17:21	
Nitrobenzene-d5 (S)	%	79	16-123		06/30/17 17:21	
Terphenyl-d14 (S)	%	78	38-138		06/30/17 17:21	

LABORATORY CONTROL SAMPLE: 2048991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.2	71	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.2	73	16-137	
Acenaphthene	mg/kg	1.7	1.2	74	37-120	
Acenaphthylene	mg/kg	1.7	1.3	77	41-120	
Anthracene	mg/kg	1.7	1.3	75	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.2	75	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.3	79	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	81	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.3	76	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.3	76	44-126	
Chrysene	mg/kg	1.7	1.3	75	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.3	78	43-124	
Fluoranthene	mg/kg	1.7	1.2	73	45-120	
Fluorene	mg/kg	1.7	1.2	72	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	78	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2048991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.1	68	40-120	
Phenanthrene	mg/kg	1.7	1.3	77	36-125	
Pyrene	mg/kg	1.7	1.2	72	41-123	
2-Fluorobiphenyl (S)	%			72	32-129	
Nitrobenzene-d5 (S)	%			77	16-123	
Terphenyl-d14 (S)	%			71	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2049174 2049175

Parameter	Units	35320620001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
1-Methylnaphthalene	mg/kg	12.5 U ug/kg	1.8	1.8	1.1	1.2	64	65	27-123	3	40	
2-Methylnaphthalene	mg/kg	14.3 U ug/kg	1.8	1.8	1.2	1.2	66	69	16-137	4	40	
Acenaphthene	mg/kg	12.9 U ug/kg	1.8	1.8	1.2	1.2	68	68	37-120	0	40	
Acenaphthylene	mg/kg	11.0 U ug/kg	1.8	1.8	1.3	1.2	71	69	41-120	3	40	
Anthracene	mg/kg	10.8 U ug/kg	1.8	1.8	1.2	1.3	69	71	45-120	3	40	
Benzo(a)anthracene	mg/kg	10.2 U ug/kg	1.8	1.8	1.2	1.2	69	70	44-120	2	40	
Benzo(a)pyrene	mg/kg	4.1 U ug/kg	1.8	1.8	1.3	1.3	71	71	44-123	1	40	
Benzo(b)fluoranthene	mg/kg	26.5 U ug/kg	1.8	1.8	1.4	1.3	77	71	37-124	8	40	
Benzo(g,h,i)perylene	mg/kg	12.7 U ug/kg	1.8	1.8	1.3	1.3	72	73	42-125	2	40	
Benzo(k)fluoranthene	mg/kg	7.6 U ug/kg	1.8	1.8	1.1	1.3	64	74	44-126	14	40	
Chrysene	mg/kg	12.6 U ug/kg	1.8	1.8	1.2	1.2	68	69	45-120	1	40	
Dibenz(a,h)anthracene	mg/kg	17.8 U ug/kg	1.8	1.8	1.3	1.3	71	73	43-124	3	40	
Fluoranthene	mg/kg	11.5 U ug/kg	1.8	1.8	1.2	1.2	66	70	45-120	5	40	
Fluorene	mg/kg	15.9 U ug/kg	1.8	1.8	1.2	1.2	67	70	42-120	4	40	
Indeno(1,2,3-cd)pyrene	mg/kg	17.8 U ug/kg	1.8	1.8	1.3	1.3	71	73	43-123	2	40	
Naphthalene	mg/kg	11.4 U ug/kg	1.8	1.8	1.1	1.1	64	64	40-120	1	40	
Phenanthrene	mg/kg	13.3 U ug/kg	1.8	1.8	1.2	1.3	69	70	36-125	2	40	
Pyrene	mg/kg	17.8 U ug/kg	1.8	1.8	1.2	1.3	67	71	41-123	5	40	
2-Fluorobiphenyl (S)	%						59	64	32-129			
Nitrobenzene-d5 (S)	%						65	69	16-123			
Terphenyl-d14 (S)	%						63	68	38-138			

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

QC Batch: 378178	Analysis Method: EPA 8270
QC Batch Method: EPA 3546	Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 35320618008	

METHOD BLANK: 2049410 Matrix: Solid
Associated Lab Samples: 35320618008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	07/01/17 05:15	
2-Methylnaphthalene	mg/kg	0.013 U	0.033	0.013	07/01/17 05:15	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	07/01/17 05:15	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	07/01/17 05:15	
Anthracene	mg/kg	0.010 U	0.033	0.010	07/01/17 05:15	
Benzo(a)anthracene	mg/kg	0.0096 U	0.033	0.0096	07/01/17 05:15	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	07/01/17 05:15	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	07/01/17 05:15	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	07/01/17 05:15	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	07/01/17 05:15	
Chrysene	mg/kg	0.012 U	0.033	0.012	07/01/17 05:15	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	07/01/17 05:15	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	07/01/17 05:15	
Fluorene	mg/kg	0.015 U	0.033	0.015	07/01/17 05:15	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	07/01/17 05:15	
Naphthalene	mg/kg	0.011 U	0.033	0.011	07/01/17 05:15	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	07/01/17 05:15	
Pyrene	mg/kg	0.017 U	0.033	0.017	07/01/17 05:15	
2-Fluorobiphenyl (S)	%	81	32-129		07/01/17 05:15	
Nitrobenzene-d5 (S)	%	93	16-123		07/01/17 05:15	
Terphenyl-d14 (S)	%	89	38-138		07/01/17 05:15	

LABORATORY CONTROL SAMPLE: 2049411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.3	76	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.3	78	16-137	
Acenaphthene	mg/kg	1.7	1.4	84	37-120	
Acenaphthylene	mg/kg	1.7	1.4	87	41-120	
Anthracene	mg/kg	1.7	1.4	86	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.4	84	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.4	87	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	85	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.4	88	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	86	44-126	
Chrysene	mg/kg	1.7	1.4	83	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	86	43-124	
Fluoranthene	mg/kg	1.7	1.4	82	45-120	
Fluorene	mg/kg	1.7	1.3	81	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.4	86	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2049411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.3	76	40-120	
Phenanthrene	mg/kg	1.7	1.4	86	36-125	
Pyrene	mg/kg	1.7	1.4	83	41-123	
2-Fluorobiphenyl (S)	%			74	32-129	
Nitrobenzene-d5 (S)	%			88	16-123	
Terphenyl-d14 (S)	%			81	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2049904 2049905

Parameter	Units	35320697001		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	U	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
1-Methylnaphthalene	mg/kg	0.013	U	1.9	1.9	1.2	1.2	68	69	27-123	1	40			
2-Methylnaphthalene	mg/kg	0.015	U	1.9	1.9	1.2	1.3	69	69	16-137	2	40			
Acenaphthene	mg/kg	0.013	U	1.9	1.9	1.3	1.4	74	74	37-120	1	40			
Acenaphthylene	mg/kg	0.011	U	1.9	1.9	1.4	1.4	77	74	41-120	2	40			
Anthracene	mg/kg	0.011	U	1.9	1.9	1.4	1.4	77	76	45-120	0	40			
Benzo(a)anthracene	mg/kg	0.010	U	1.9	1.9	1.4	1.3	75	73	44-120	2	40			
Benzo(a)pyrene	mg/kg	0.0042	U	1.9	1.9	1.4	1.4	74	74	44-123	0	40			
Benzo(b)fluoranthene	mg/kg	0.027	U	1.9	1.9	1.4	1.4	76	75	37-124	1	40			
Benzo(g,h,i)perylene	mg/kg	0.013	U	1.9	1.9	1.2	1.3	68	70	42-125	3	40			
Benzo(k)fluoranthene	mg/kg	0.0078	U	1.9	1.9	1.4	1.4	75	76	44-126	1	40			
Chrysene	mg/kg	0.013	U	1.9	1.9	1.4	1.3	75	73	45-120	2	40			
Dibenz(a,h)anthracene	mg/kg	0.018	U	1.9	1.9	1.3	1.3	69	69	43-124	0	40			
Fluoranthene	mg/kg	0.012	U	1.9	1.9	1.4	1.3	75	73	45-120	2	40			
Fluorene	mg/kg	0.016	U	1.9	1.9	1.3	1.3	73	73	42-120	1	40			
Indeno(1,2,3-cd)pyrene	mg/kg	0.018	U	1.9	1.9	1.2	1.2	68	68	43-123	1	40			
Naphthalene	mg/kg	0.012	U	1.9	1.9	1.2	1.2	66	65	40-120	1	40			
Phenanthrene	mg/kg	0.014	U	1.9	1.9	1.4	1.4	78	78	36-125	1	40			
Pyrene	mg/kg	0.018	U	1.9	1.9	1.3	1.4	73	76	41-123	5	40			
2-Fluorobiphenyl (S)	%							66	66	32-129					
Nitrobenzene-d5 (S)	%							73	74	16-123					
Terphenyl-d14 (S)	%							71	70	38-138					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

QC Batch: 378734	Analysis Method: EPA 8270
QC Batch Method: EPA 3546	Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 35320618007	

METHOD BLANK: 2052569 Matrix: Solid
Associated Lab Samples: 35320618007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.012 U	0.033	0.012	07/06/17 14:04	
2-Methylnaphthalene	mg/kg	0.014 U	0.033	0.014	07/06/17 14:04	
Acenaphthene	mg/kg	0.012 U	0.033	0.012	07/06/17 14:04	
Acenaphthylene	mg/kg	0.010 U	0.033	0.010	07/06/17 14:04	
Anthracene	mg/kg	0.010 U	0.033	0.010	07/06/17 14:04	
Benzo(a)anthracene	mg/kg	0.0097 U	0.033	0.0097	07/06/17 14:04	
Benzo(a)pyrene	mg/kg	0.0039 U	0.033	0.0039	07/06/17 14:04	
Benzo(b)fluoranthene	mg/kg	0.025 U	0.033	0.025	07/06/17 14:04	
Benzo(g,h,i)perylene	mg/kg	0.012 U	0.033	0.012	07/06/17 14:04	
Benzo(k)fluoranthene	mg/kg	0.0072 U	0.033	0.0072	07/06/17 14:04	
Chrysene	mg/kg	0.012 U	0.033	0.012	07/06/17 14:04	
Dibenz(a,h)anthracene	mg/kg	0.017 U	0.033	0.017	07/06/17 14:04	
Fluoranthene	mg/kg	0.011 U	0.033	0.011	07/06/17 14:04	
Fluorene	mg/kg	0.015 U	0.033	0.015	07/06/17 14:04	
Indeno(1,2,3-cd)pyrene	mg/kg	0.017 U	0.033	0.017	07/06/17 14:04	
Naphthalene	mg/kg	0.011 U	0.033	0.011	07/06/17 14:04	
Phenanthrene	mg/kg	0.013 U	0.033	0.013	07/06/17 14:04	
Pyrene	mg/kg	0.017 U	0.033	0.017	07/06/17 14:04	
2-Fluorobiphenyl (S)	%	70	32-129		07/06/17 14:04	
Nitrobenzene-d5 (S)	%	76	16-123		07/06/17 14:04	
Terphenyl-d14 (S)	%	80	38-138		07/06/17 14:04	

LABORATORY CONTROL SAMPLE: 2052570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.2	75	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.3	77	16-137	
Acenaphthene	mg/kg	1.7	1.3	81	37-120	
Acenaphthylene	mg/kg	1.7	1.4	83	41-120	
Anthracene	mg/kg	1.7	1.4	86	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.4	84	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.4	86	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.4	87	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	89	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	83	44-126	
Chrysene	mg/kg	1.7	1.4	85	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	89	43-124	
Fluoranthene	mg/kg	1.7	1.4	83	45-120	
Fluorene	mg/kg	1.7	1.3	79	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.5	89	43-123	

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

LABORATORY CONTROL SAMPLE: 2052570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.2	73	40-120	
Phenanthrene	mg/kg	1.7	1.4	84	36-125	
Pyrene	mg/kg	1.7	1.4	82	41-123	
2-Fluorobiphenyl (S)	%			76	32-129	
Nitrobenzene-d5 (S)	%			82	16-123	
Terphenyl-d14 (S)	%			78	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2052876 2052877

Parameter	Units	35321192008		2052876		2052877		% Rec	% Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	mg/kg	0.051 U	7	7	5.1	5.3	73	76	27-123	3	40	
2-Methylnaphthalene	mg/kg	0.059 U	7	7	5.2	5.4	74	77	16-137	3	40	
Acenaphthene	mg/kg	0.053 U	7	7	5.6	5.5	79	78	37-120	1	40	
Acenaphthylene	mg/kg	0.045 U	7	7	5.8	5.7	83	81	41-120	1	40	
Anthracene	mg/kg	0.044 U	7	7	5.7	5.9	82	83	45-120	2	40	
Benzo(a)anthracene	mg/kg	0.042 U	7	7	5.4	5.6	77	79	44-120	3	40	
Benzo(a)pyrene	mg/kg	0.017 U	7	7	5.6	5.7	80	81	44-123	1	40	
Benzo(b)fluoranthene	mg/kg	0.11 U	7	7	5.6	5.5	80	78	37-124	3	40	
Benzo(g,h,i)perylene	mg/kg	0.052 U	7	7	5.4	6.0	77	85	42-125	11	40	
Benzo(k)fluoranthene	mg/kg	0.031 U	7	7	5.3	5.7	75	81	44-126	7	40	
Chrysene	mg/kg	0.052 U	7	7	5.5	5.5	79	79	45-120	0	40	
Dibenz(a,h)anthracene	mg/kg	0.073 U	7	7	5.6	5.9	80	84	43-124	6	40	
Fluoranthene	mg/kg	0.047 U	7	7	5.6	5.7	80	80	45-120	1	40	
Fluorene	mg/kg	0.065 U	7	7	5.5	5.5	79	79	42-120	0	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.073 U	7	7	5.6	5.9	80	84	43-123	5	40	
Naphthalene	mg/kg	0.047 U	7	7	5.0	5.1	71	72	40-120	1	40	
Phenanthrene	mg/kg	0.055 U	7	7	5.7	5.7	81	81	36-125	1	40	
Pyrene	mg/kg	0.073 U	7	7	5.7	5.8	81	82	41-123	2	40	
2-Fluorobiphenyl (S)	%						70	73	32-129			
Nitrobenzene-d5 (S)	%						79	81	16-123			
Terphenyl-d14 (S)	%						63	73	38-138			

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

QC Batch: 379042 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35320618001, 35320618002, 35320618003, 35320618004, 35320618005, 35320618006, 35320618007, 35320618008

SAMPLE DUPLICATE: 2054030

Parameter	Units	35319694005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	98.8	98.9	0	10	

SAMPLE DUPLICATE: 2054031

Parameter	Units	35320261001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	84.3	6.7	171	10	J(D6)

SAMPLE DUPLICATE: 2054032

Parameter	Units	35320618006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.0	5.0	49	10	J(D6)

SAMPLE DUPLICATE: 2054033

Parameter	Units	35320574007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	6.6	14	10	J(D6)

SAMPLE DUPLICATE: 2054034

Parameter	Units	35320574016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.0	9.2	3	10	

SAMPLE DUPLICATE: 2054035

Parameter	Units	35320574025 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.1	3.1	27	10	J(D6)

SAMPLE DUPLICATE: 2054036

Parameter	Units	35320574034 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	8.3	13	10	J(D6)

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QUALITY CONTROL DATA

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

SAMPLE DUPLICATE: 2054037

Parameter	Units	35320750004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.3	1.8	24	10	J(D6)

SAMPLE DUPLICATE: 2054038

Parameter	Units	35320750013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.5	4.5	1	10	

SAMPLE DUPLICATE: 2054039

Parameter	Units	35320167001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	75.5	73.5	3	10	

SAMPLE DUPLICATE: 2054040

Parameter	Units	35321192007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.4	14.3	1	10	

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QUALIFIERS

Project: 6783-17-2970/The Underline

Pace Project No.: 35320618

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

J(L1) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.

L Off-scale high. Actual value is known to be greater than value given.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6783-17-2970/The Underline
Pace Project No.: 35320618

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35320618001	SB-12 (0-6")	EPA 3050	378893	EPA 6010	378900
35320618002	SB-12 (6"-2")	EPA 3050	378893	EPA 6010	378900
35320618003	SB-14 (0-6")	EPA 3050	378893	EPA 6010	378900
35320618004	SB-14 (6"-2")	EPA 3050	378893	EPA 6010	378900
35320618005	SB-16 (0-6")	EPA 3050	378893	EPA 6010	378900
35320618006	SB-16 (6"-2")	EPA 3050	378893	EPA 6010	378900
35320618007	SB-17 (0-6")	EPA 3050	378893	EPA 6010	378900
35320618008	SB-17 (6"-2")	EPA 3050	378893	EPA 6010	378900
35320618001	SB-12 (0-6")	EPA 3010	381173	EPA 6010	381218
35320618002	SB-12 (6"-2")	EPA 3010	381173	EPA 6010	381218
35320618005	SB-16 (0-6")	EPA 3010	381173	EPA 6010	381218
35320618006	SB-16 (6"-2")	EPA 3010	381173	EPA 6010	381218
35320618007	SB-17 (0-6")	EPA 3010	381173	EPA 6010	381218
35320618008	SB-17 (6"-2")	EPA 3010	381173	EPA 6010	381218
35320618001	SB-12 (0-6")	EPA 3546	378128	EPA 8270	378489
35320618002	SB-12 (6"-2")	EPA 3546	378128	EPA 8270	378489
35320618003	SB-14 (0-6")	EPA 3546	378128	EPA 8270	378489
35320618004	SB-14 (6"-2")	EPA 3546	378128	EPA 8270	378489
35320618005	SB-16 (0-6")	EPA 3546	378128	EPA 8270	378489
35320618006	SB-16 (6"-2")	EPA 3546	378128	EPA 8270	378489
35320618007	SB-17 (0-6")	EPA 3546	378734	EPA 8270	379325
35320618008	SB-17 (6"-2")	EPA 3546	378178	EPA 8270	378553
35320618001	SB-12 (0-6")	EPA 8260	378752		
35320618002	SB-12 (6"-2")	EPA 8260	378752		
35320618003	SB-14 (0-6")	EPA 8260	378209		
35320618004	SB-14 (6"-2")	EPA 8260	378209		
35320618005	SB-16 (0-6")	EPA 8260	378752		
35320618006	SB-16 (6"-2")	EPA 8260	378752		
35320618007	SB-17 (0-6")	EPA 8260	378752		
35320618008	SB-17 (6"-2")	EPA 8260	378752		
35320618001	SB-12 (0-6")	ASTM D2974-87	379042		
35320618002	SB-12 (6"-2")	ASTM D2974-87	379042		
35320618003	SB-14 (0-6")	ASTM D2974-87	379042		
35320618004	SB-14 (6"-2")	ASTM D2974-87	379042		
35320618005	SB-16 (0-6")	ASTM D2974-87	379042		
35320618006	SB-16 (6"-2")	ASTM D2974-87	379042		
35320618007	SB-17 (0-6")	ASTM D2974-87	379042		
35320618008	SB-17 (6"-2")	ASTM D2974-87	379042		

REPORT OF LABORATORY ANALYSIS

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Document Name
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 11

Document Revised
February 6, 2017
Issuing Authority
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # **WO#: 35320582**
Project Manager: PM: RYG **Due Date:** 07/07/17
Client: CLIENT: 36-CITSUN

Date and Initials of person:
 Examining contents: DMF
 Label: DMF
 Deliver: NA
 pH: NA

Thermometer Used: T-315 Date: _____ Time: _____ Initials: DMF

Cooler #1 Temp. °C 2.9 (Visual) -0.1 (Correction Factor) 2.8 (Actual) Samples on ice, cooling process has begun
 Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
 Shipping Method: First Overnight Priority Overnight Standard Overnight Ground Other _____
 Billing: Recipient Sender Third Party Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Ice: Wet Blue None
 Packing Material: Bubble Wrap Bubble Bags None Other _____
 Samples shorted to lab (If Yes, complete) Shorted Date: NA Shorted Time: NA Qty: NA

Comments:	
Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

Preservation Information:
 Preservative: _____
 Lot #/Trace #: _____
 Date: _____ Time: _____
 Initials: _____

Client Notification/ Resolution:
 Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ Date: _____



ATTACHMENT F

BENZO(A)PYRENE EQUIVALENT CALCULATIONS

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-1 (0-6")
 Sample Date 06/14/2017 12:05
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.740	1.0	0.7400
Benzo(a)anthracene	0.660	0.1	0.0660
Benzo(b)fluoranthene	1.100	0.1	0.1100
Benzo(k)fluoranthene	0.410	0.01	0.0041
Chrysene	0.680	0.001	0.0007
Dibenz(a,h)anthracene	0.110	1.0	0.1100
Indeno(1,2,3-cd)pyrene	0.430	0.1	0.0430

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.1

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-1 (6"-2')
 Sample Date 06/14/2017 12:10
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.007	1.0	0.0065
Benzo(a)anthracene	0.048	0.1	0.0048
Benzo(b)fluoranthene	0.043	0.1	0.0043
Benzo(k)fluoranthene	0.013	0.01	0.0001
Chrysene	0.041	0.001	0.0000
Dibenz(a,h)anthracene	0.029	1.0	0.0285
Indeno(1,2,3-cd)pyrene	0.029	0.1	0.0029

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-1 E25 (0-6")
 Sample Date 06/14/2017 12:25
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.120	1.0	0.1200
Benzo(a)anthracene	0.120	0.1	0.0120
Benzo(b)fluoranthene	0.160	0.1	0.0160
Benzo(k)fluoranthene	0.110	0.01	0.0011
Chrysene	0.130	0.001	0.0001
Dibenz(a,h)anthracene	0.021	1.0	0.0210
Indeno(1,2,3-cd)pyrene	0.066	0.1	0.0066

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-1 E25 (6"-2')
 Sample Date 06/14/2017 12:30
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.031	1.0	0.0310
Benzo(a)anthracene	0.048	0.1	0.0048
Benzo(b)fluoranthene	0.050	0.1	0.0050
Benzo(k)fluoranthene	0.039	0.01	0.0004
Chrysene	0.052	0.001	0.0001
Dibenz(a,h)anthracene	0.033	1.0	0.0330
Indeno(1,2,3-cd)pyrene	0.033	0.1	0.0033

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-1 W25 (0-6")
 Sample Date 06/14/2017 11:45
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.013	1.0	0.0130
Benzo(a)anthracene	0.013	0.1	0.0013
Benzo(b)fluoranthene	0.015	0.1	0.0015
Benzo(k)fluoranthene	0.011	0.01	0.0001
Chrysene	0.017	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-1 W25 (6"-2')
 Sample Date 06/14/2017 11:50
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.050	1.0	0.0500
Benzo(a)anthracene	0.059	0.1	0.0059
Benzo(b)fluoranthene	0.047	0.1	0.0047
Benzo(k)fluoranthene	0.037	0.01	0.0004
Chrysene	0.064	0.001	0.0001
Dibenz(a,h)anthracene	0.031	1.0	0.0310
Indeno(1,2,3-cd)pyrene	0.031	0.1	0.0031

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-2 (0-6")
 Sample Date 06/14/2017 11:14
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.490	1.0	0.4900
Benzo(a)anthracene	0.380	0.1	0.0380
Benzo(b)fluoranthene	1.100	0.1	0.1100
Benzo(k)fluoranthene	0.013	0.01	0.0001
Chrysene	0.560	0.001	0.0006
Dibenz(a,h)anthracene	0.095	1.0	0.0950
Indeno(1,2,3-cd)pyrene	0.330	0.1	0.0330

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.8

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-2 (6"-2')
 Sample Date 06/14/2017 11:12
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.130	1.0	0.1300
Benzo(a)anthracene	0.110	0.1	0.0110
Benzo(b)fluoranthene	0.220	0.1	0.0220
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.170	0.001	0.0002
Dibenz(a,h)anthracene	0.028	1.0	0.0280
Indeno(1,2,3-cd)pyrene	0.083	0.1	0.0083

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-3 (0-6")
 Sample Date 06/14/2017 13:20
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.074	1.0	0.0740
Benzo(a)anthracene	0.069	0.1	0.0069
Benzo(b)fluoranthene	0.130	0.1	0.0130
Benzo(k)fluoranthene	0.052	0.01	0.0005
Chrysene	0.092	0.001	0.0001
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.053	0.1	0.0053

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-3 (6"-2')
 Sample Date 06/14/2017 13:22
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.220	1.0	0.2200
Benzo(a)anthracene	0.190	0.1	0.0190
Benzo(b)fluoranthene	0.390	0.1	0.0390
Benzo(k)fluoranthene	0.180	0.01	0.0018
Chrysene	0.250	0.001	0.0003
Dibenz(a,h)anthracene	0.053	1.0	0.0530
Indeno(1,2,3-cd)pyrene	0.150	0.1	0.0150

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-3 W25 (0-6")
 Sample Date 06/14/2017 13:10
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.570	1.0	0.5700
Benzo(a)anthracene	0.560	0.1	0.0560
Benzo(b)fluoranthene	0.760	0.1	0.0760
Benzo(k)fluoranthene	0.270	0.01	0.0027
Chrysene	0.510	0.001	0.0005
Dibenz(a,h)anthracene	0.110	1.0	0.1100
Indeno(1,2,3-cd)pyrene	0.290	0.1	0.0290

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.8

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-3 W25 (6"-2)
 Sample Date 06/14/2017 13:15
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.041	1.0	0.0410
Benzo(a)anthracene	0.048	0.1	0.0048
Benzo(b)fluoranthene	0.052	0.1	0.0052
Benzo(k)fluoranthene	0.028	0.01	0.0003
Chrysene	0.034	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.028	0.1	0.0028

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-3 E50 (0-6")
 Sample Date 06/14/2017 13:42
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.120	1.0	0.1200
Benzo(a)anthracene	0.110	0.1	0.0110
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.100	0.01	0.0010
Chrysene	0.130	0.001	0.0001
Dibenz(a,h)anthracene	0.022	1.0	0.0220
Indeno(1,2,3-cd)pyrene	0.077	0.1	0.0077

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-3 E50 (6"-2')
 Sample Date 06/14/2017 13:44
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0020
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.013	0.1	0.0013
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.006	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0085
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-8 (0-6")
 Sample Date 06/14/2017 15:22
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.110	1.0	0.1100
Benzo(a)anthracene	0.150	0.1	0.0150
Benzo(b)fluoranthene	0.200	0.1	0.0200
Benzo(k)fluoranthene	0.082	0.01	0.0008
Chrysene	0.100	0.001	0.0001
Dibenz(a,h)anthracene	0.025	1.0	0.0245
Indeno(1,2,3-cd)pyrene	0.075	0.1	0.0075

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-8 (6"-2')
 Sample Date 06/14/2017 15:24
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.056	1.0	0.0560
Benzo(a)anthracene	0.049	0.1	0.0049
Benzo(b)fluoranthene	0.085	0.1	0.0085
Benzo(k)fluoranthene	0.039	0.01	0.0004
Chrysene	0.044	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.035	0.1	0.0035

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-8 E25 (0-6')
 Sample Date 06/14/2017 15:42
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.150	1.0	0.1500
Benzo(a)anthracene	0.130	0.1	0.0130
Benzo(b)fluoranthene	0.290	0.1	0.0290
Benzo(k)fluoranthene	0.130	0.01	0.0013
Chrysene	0.240	0.001	0.0002
Dibenz(a,h)anthracene	0.038	1.0	0.0380
Indeno(1,2,3-cd)pyrene	0.098	0.1	0.0098

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-8 E25 (6"-2')
 Sample Date 06/14/2017 15:44
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	1.400	1.0	1.4000
Benzo(a)anthracene	1.600	0.1	0.1600
Benzo(b)fluoranthene	2.600	0.1	0.2600
Benzo(k)fluoranthene	1.200	0.01	0.0120
Chrysene	1.300	0.001	0.0013
Dibenz(a,h)anthracene	0.340	1.0	0.3400
Indeno(1,2,3-cd)pyrene	0.890	0.1	0.0890

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 2.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-8 E50 (0-6')
 Sample Date 06/14/2017 15:57
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.180	1.0	0.1800
Benzo(a)anthracene	0.140	0.1	0.0140
Benzo(b)fluoranthene	0.290	0.1	0.0290
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.120	0.001	0.0001
Dibenz(a,h)anthracene	0.040	1.0	0.0400
Indeno(1,2,3-cd)pyrene	0.110	0.1	0.0110

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-8 E50 (6"-2')
 Sample Date 06/14/2017 15:59
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.290	1.0	0.2900
Benzo(a)anthracene	0.260	0.1	0.0260
Benzo(b)fluoranthene	0.450	0.1	0.0450
Benzo(k)fluoranthene	0.210	0.01	0.0021
Chrysene	0.190	0.001	0.0002
Dibenz(a,h)anthracene	0.062	1.0	0.0620
Indeno(1,2,3-cd)pyrene	0.170	0.1	0.0170

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.4

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-9 (0-6")
 Sample Date 06/14/2017 17:07
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.068	1.0	0.0680
Benzo(a)anthracene	0.058	0.1	0.0058
Benzo(b)fluoranthene	0.130	0.1	0.0130
Benzo(k)fluoranthene	0.051	0.01	0.0005
Chrysene	0.058	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.043	0.1	0.0043

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-9 (6"-2')
 Sample Date 06/14/2017 17:09
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0022
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-9 W25 (0-6")
 Sample Date 06/14/2017 16:47
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.063	1.0	0.0630
Benzo(a)anthracene	0.059	0.1	0.0059
Benzo(b)fluoranthene	0.120	0.1	0.0120
Benzo(k)fluoranthene	0.037	0.01	0.0004
Chrysene	0.056	0.001	0.0001
Dibenz(a,h)anthracene	0.011	1.0	0.0105
Indeno(1,2,3-cd)pyrene	0.044	0.1	0.0044

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-9 W25 (6"-2')
 Sample Date 06/14/2017 16:49
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0023
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.015	0.1	0.0015
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-9 E25 (0-6")
 Sample Date 06/14/2017 17:27
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.024	1.0	0.0240
Benzo(a)anthracene	0.028	0.1	0.0028
Benzo(b)fluoranthene	0.046	0.1	0.0046
Benzo(k)fluoranthene	0.012	0.01	0.0001
Chrysene	0.025	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.020	0.1	0.0020

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-9 E25 (6"-2')
 Sample Date 06/14/2017 17:29
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0023
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.015	0.1	0.0015
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-10 (0-6")
 Sample Date 06/15/2017 12:02
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.068	1.0	0.0680
Benzo(a)anthracene	0.041	0.1	0.0041
Benzo(b)fluoranthene	0.080	0.1	0.0080
Benzo(k)fluoranthene	0.076	0.01	0.0008
Chrysene	0.065	0.001	0.0001
Dibenz(a,h)anthracene	0.011	1.0	0.0105
Indeno(1,2,3-cd)pyrene	0.043	0.1	0.0043

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-10 (6"-2')
 Sample Date 06/15/2017 12:04
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0024
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.015	0.1	0.0015
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-11 (0-6")
 Sample Date 06/15/2017 10:57
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.045	1.0	0.0450
Benzo(a)anthracene	0.034	0.1	0.0034
Benzo(b)fluoranthene	0.058	0.1	0.0058
Benzo(k)fluoranthene	0.040	0.01	0.0004
Chrysene	0.046	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.027	0.1	0.0027

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-11 (6"-2')
 Sample Date 06/15/2017 10:59
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.008	1.0	0.0081
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-11 E25 (0-6")
 Sample Date 06/15/2017 10:37
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.038	1.0	0.0380
Benzo(a)anthracene	0.031	0.1	0.0031
Benzo(b)fluoranthene	0.049	0.1	0.0049
Benzo(k)fluoranthene	0.035	0.01	0.0004
Chrysene	0.042	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.025	0.1	0.0025

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-11 E25 (6"-2')
 Sample Date 06/15/2017 10:37
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.003	1.0	0.0028
Benzo(a)anthracene	0.007	0.1	0.0007
Benzo(b)fluoranthene	0.018	0.1	0.0018
Benzo(k)fluoranthene	0.005	0.01	0.0001
Chrysene	0.009	0.001	0.0000
Dibenz(a,h)anthracene	0.012	1.0	0.0120
Indeno(1,2,3-cd)pyrene	0.012	0.1	0.0012

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-11 W25 (0-6")
 Sample Date 06/15/2017 11:12
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.390	1.0	0.3900
Benzo(a)anthracene	0.280	0.1	0.0280
Benzo(b)fluoranthene	0.760	0.1	0.0760
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.460	0.001	0.0005
Dibenz(a,h)anthracene	0.068	1.0	0.0680
Indeno(1,2,3-cd)pyrene	0.250	0.1	0.0250

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.6

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-11 W25 (6"-2')
 Sample Date 06/15/2017 11:14
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.008	1.0	0.0075
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-12 E25 (0-6")
 Sample Date 06/15/2017 14:32
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.210	1.0	0.2100
Benzo(a)anthracene	0.150	0.1	0.0150
Benzo(b)fluoranthene	0.340	0.1	0.0340
Benzo(k)fluoranthene	0.190	0.01	0.0019
Chrysene	0.230	0.001	0.0002
Dibenz(a,h)anthracene	0.034	1.0	0.0340
Indeno(1,2,3-cd)pyrene	0.140	0.1	0.0140

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-12 E25 (6"-2')
 Sample Date 06/15/2017 14:34
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.063	1.0	0.0630
Benzo(a)anthracene	0.046	0.1	0.0046
Benzo(b)fluoranthene	0.120	0.1	0.0120
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.061	0.001	0.0001
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.038	0.1	0.0038

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-12 W25 (0-6")
 Sample Date 06/15/2017 14:07
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.120	1.0	0.1200
Benzo(a)anthracene	0.068	0.1	0.0068
Benzo(b)fluoranthene	0.170	0.1	0.0170
Benzo(k)fluoranthene	0.085	0.01	0.0009
Chrysene	0.110	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.069	0.1	0.0069

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-12 W25 (6"-2')
 Sample Date 06/15/2017 14:09
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.046	1.0	0.0460
Benzo(a)anthracene	0.017	0.1	0.0017
Benzo(b)fluoranthene	0.075	0.1	0.0075
Benzo(k)fluoranthene	0.043	0.01	0.0004
Chrysene	0.043	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.031	0.1	0.0031

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-13 (0-6")
 Sample Date 06/15/2017 15:37
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.082	1.0	0.0820
Benzo(a)anthracene	0.110	0.1	0.0110
Benzo(b)fluoranthene	0.130	0.1	0.0130
Benzo(k)fluoranthene	0.065	0.01	0.0007
Chrysene	0.061	0.001	0.0001
Dibenz(a,h)anthracene	0.014	1.0	0.0135
Indeno(1,2,3-cd)pyrene	0.056	0.1	0.0056

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-13 (6"-2')
 Sample Date 06/15/2017 15:39
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.540	1.0	0.5400
Benzo(a)anthracene	0.620	0.1	0.0620
Benzo(b)fluoranthene	0.720	0.1	0.0720
Benzo(k)fluoranthene	0.300	0.01	0.0030
Chrysene	0.540	0.001	0.0005
Dibenz(a,h)anthracene	0.130	1.0	0.1300
Indeno(1,2,3-cd)pyrene	0.360	0.1	0.0360

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.8

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-14 E25 (0-6')
 Sample Date 06/15/2017 16:07
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.140	1.0	0.1400
Benzo(a)anthracene	0.120	0.1	0.0120
Benzo(b)fluoranthene	0.220	0.1	0.0220
Benzo(k)fluoranthene	0.130	0.01	0.0013
Chrysene	0.150	0.001	0.0002
Dibenz(a,h)anthracene	0.051	1.0	0.0510
Indeno(1,2,3-cd)pyrene	0.120	0.1	0.0120

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-14 E25 (6"-2')
 Sample Date 06/15/2017 16:09
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	2.000	1.0	2.0000
Benzo(a)anthracene	1.500	0.1	0.1500
Benzo(b)fluoranthene	2.800	0.1	0.2800
Benzo(k)fluoranthene	1.900	0.01	0.0190
Chrysene	1.900	0.001	0.0019
Dibenz(a,h)anthracene	0.330	1.0	0.3300
Indeno(1,2,3-cd)pyrene	1.100	0.1	0.1100

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 2.9

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-14 W25 (0-6")
 Sample Date 06/15/2017 16:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.060	1.0	0.0600
Benzo(a)anthracene	0.045	0.1	0.0045
Benzo(b)fluoranthene	0.087	0.1	0.0087
Benzo(k)fluoranthene	0.052	0.01	0.0005
Chrysene	0.063	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.031	0.1	0.0031

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-14 W25 (6-2')
 Sample Date 06/15/2017 16:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.005	1.0	0.0047
Benzo(a)anthracene	0.012	0.1	0.0012
Benzo(b)fluoranthene	0.030	0.1	0.0030
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.015	0.001	0.0000
Dibenz(a,h)anthracene	0.020	1.0	0.0200
Indeno(1,2,3-cd)pyrene	0.020	0.1	0.0020

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-15 (0-6")
 Sample Date 06/16/2017 10:12
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	2.000	1.0	2.0000
Benzo(a)anthracene	1.800	0.1	0.1800
Benzo(b)fluoranthene	3.400	0.1	0.3400
Benzo(k)fluoranthene	1.100	0.01	0.0110
Chrysene	1.500	0.001	0.0015
Dibenz(a,h)anthracene	0.330	1.0	0.3300
Indeno(1,2,3-cd)pyrene	0.970	0.1	0.0970

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 3.0

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-15 (6"-2')
 Sample Date 06/16/2017 10:14
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.610	1.0	0.6100
Benzo(a)anthracene	0.570	0.1	0.0570
Benzo(b)fluoranthene	1.200	0.1	0.1200
Benzo(k)fluoranthene	0.440	0.01	0.0044
Chrysene	0.480	0.001	0.0005
Dibenz(a,h)anthracene	0.110	1.0	0.1100
Indeno(1,2,3-cd)pyrene	0.330	0.1	0.0330

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.9

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-16 E25 (0-6")
 Sample Date 06/16/2017 13:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.130	1.0	0.1300
Benzo(a)anthracene	0.130	0.1	0.0130
Benzo(b)fluoranthene	0.230	0.1	0.0230
Benzo(k)fluoranthene	0.068	0.01	0.0007
Chrysene	0.100	0.001	0.0001
Dibenz(a,h)anthracene	0.024	1.0	0.0240
Indeno(1,2,3-cd)pyrene	0.065	0.1	0.0065

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-16 E50 (6"-2')
 Sample Date 06/16/2017 13:34
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	2.200	1.0	2.2000
Benzo(a)anthracene	2.600	0.1	0.2600
Benzo(b)fluoranthene	3.000	0.1	0.3000
Benzo(k)fluoranthene	1.500	0.01	0.0150
Chrysene	2.500	0.001	0.0025
Dibenz(a,h)anthracene	0.420	1.0	0.4200
Indeno(1,2,3-cd)pyrene	1.200	0.1	0.1200

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 3.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-16 E50 (0-6")
 Sample Date 06/16/2017 13:32
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.390	1.0	0.3900
Benzo(a)anthracene	0.410	0.1	0.0410
Benzo(b)fluoranthene	0.550	0.1	0.0550
Benzo(k)fluoranthene	0.260	0.01	0.0026
Chrysene	0.400	0.001	0.0004
Dibenz(a,h)anthracene	0.074	1.0	0.0740
Indeno(1,2,3-cd)pyrene	0.220	0.1	0.0220

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.6

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-16 E25 (6"-2')
 Sample Date 06/16/2017 13:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.640	1.0	0.6400
Benzo(a)anthracene	0.650	0.1	0.0650
Benzo(b)fluoranthene	0.980	0.1	0.0980
Benzo(k)fluoranthene	0.360	0.01	0.0036
Chrysene	0.610	0.001	0.0006
Dibenz(a,h)anthracene	0.140	1.0	0.1400
Indeno(1,2,3-cd)pyrene	0.350	0.1	0.0350

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.0

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-17 E25 (0-6")
 Sample Date 06/16/2017 14:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.029	1.0	0.0290
Benzo(a)anthracene	0.039	0.1	0.0039
Benzo(b)fluoranthene	0.028	0.1	0.0028
Benzo(k)fluoranthene	0.020	0.01	0.0002
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.019	1.0	0.0185
Indeno(1,2,3-cd)pyrene	0.019	0.1	0.0019

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-17 E25 (6"-2')
 Sample Date 06/16/2017 14:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.160	1.0	0.1600
Benzo(a)anthracene	0.240	0.1	0.0240
Benzo(b)fluoranthene	0.280	0.1	0.0280
Benzo(k)fluoranthene	0.130	0.01	0.0013
Chrysene	0.170	0.001	0.0002
Dibenz(a,h)anthracene	0.034	1.0	0.0335
Indeno(1,2,3-cd)pyrene	0.089	0.1	0.0089

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-17 W50 (0-6")
 Sample Date 06/16/2017 14:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.230	1.0	0.2300
Benzo(a)anthracene	0.210	0.1	0.0210
Benzo(b)fluoranthene	0.320	0.1	0.0320
Benzo(k)fluoranthene	0.180	0.01	0.0018
Chrysene	0.170	0.001	0.0002
Dibenz(a,h)anthracene	0.045	1.0	0.0450
Indeno(1,2,3-cd)pyrene	0.120	0.1	0.0120

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-17 W50 (6"-2')
 Sample Date 06/16/2017 14:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.076	1.0	0.0760
Benzo(a)anthracene	0.074	0.1	0.0074
Benzo(b)fluoranthene	0.130	0.1	0.0130
Benzo(k)fluoranthene	0.051	0.01	0.0005
Chrysene	0.082	0.001	0.0001
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.049	0.1	0.0049

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-7 (0-6")
 Sample Date 06/16/2017 15:45
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.019	1.0	0.0190
Benzo(a)anthracene	0.017	0.1	0.0017
Benzo(b)fluoranthene	0.045	0.1	0.0045
Benzo(k)fluoranthene	0.013	0.01	0.0001
Chrysene	0.021	0.001	0.0000
Dibenz(a,h)anthracene	0.030	1.0	0.0300
Indeno(1,2,3-cd)pyrene	0.030	0.1	0.0030

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-7 (6"-2')
 Sample Date 06/16/2017 15:47
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.072	1.0	0.0720
Benzo(a)anthracene	0.110	0.1	0.0110
Benzo(b)fluoranthene	0.120	0.1	0.0120
Benzo(k)fluoranthene	0.056	0.01	0.0006
Chrysene	0.085	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.036	0.1	0.0036

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-5 (0-6")
 Sample Date 06/20/2017 10:15
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.029	1.0	0.0290
Benzo(a)anthracene	0.030	0.1	0.0030
Benzo(b)fluoranthene	0.033	0.1	0.0033
Benzo(k)fluoranthene	0.026	0.01	0.0003
Chrysene	0.033	0.001	0.0000
Dibenz(a,h)anthracene	0.023	1.0	0.0225
Indeno(1,2,3-cd)pyrene	0.023	0.1	0.0023

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-5 (6"-2')
 Sample Date 06/20/2017 10:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.017	1.0	0.0170
Benzo(a)anthracene	0.013	0.1	0.0013
Benzo(b)fluoranthene	0.033	0.1	0.0033
Benzo(k)fluoranthene	0.019	0.01	0.0002
Chrysene	0.016	0.001	0.0000
Dibenz(a,h)anthracene	0.022	1.0	0.0215
Indeno(1,2,3-cd)pyrene	0.022	0.1	0.0022

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-6 (0-6")
 Sample Date 06/20/2017 11:10
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.100	1.0	0.1000
Benzo(a)anthracene	0.110	0.1	0.0110
Benzo(b)fluoranthene	0.200	0.1	0.0200
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.120	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.058	0.1	0.0058

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-6 (6"-2')
 Sample Date 06/20/2017 11:12
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.019	1.0	0.0190
Benzo(a)anthracene	0.012	0.1	0.0012
Benzo(b)fluoranthene	0.032	0.1	0.0032
Benzo(k)fluoranthene	0.021	0.01	0.0002
Chrysene	0.015	0.001	0.0000
Dibenz(a,h)anthracene	0.022	1.0	0.0215
Indeno(1,2,3-cd)pyrene	0.022	0.1	0.0022

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-4 (0-6")
 Sample Date 06/20/2017 12:25
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.061	1.0	0.0610
Benzo(a)anthracene	0.051	0.1	0.0051
Benzo(b)fluoranthene	0.098	0.1	0.0098
Benzo(k)fluoranthene	0.039	0.01	0.0004
Chrysene	0.071	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.034	0.1	0.0034

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-4 (6"-2')
 Sample Date 06/20/2017 12:30
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.041	1.0	0.0410
Benzo(a)anthracene	0.036	0.1	0.0036
Benzo(b)fluoranthene	0.060	0.1	0.0060
Benzo(k)fluoranthene	0.041	0.01	0.0004
Chrysene	0.039	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.022	0.1	0.0022

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-4E25 (0-6")
 Sample Date 06/20/2017 12:35
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.085	1.0	0.0850
Benzo(a)anthracene	0.100	0.1	0.0100
Benzo(b)fluoranthene	0.092	0.1	0.0092
Benzo(k)fluoranthene	0.076	0.01	0.0008
Chrysene	0.070	0.001	0.0001
Dibenz(a,h)anthracene	0.025	1.0	0.0245
Indeno(1,2,3-cd)pyrene	0.057	0.1	0.0057

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-4E25 (6"-2')
 Sample Date 06/20/2017 12:40
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.094	1.0	0.0940
Benzo(a)anthracene	0.130	0.1	0.0130
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.047	0.01	0.0005
Chrysene	0.074	0.001	0.0001
Dibenz(a,h)anthracene	0.021	1.0	0.0210
Indeno(1,2,3-cd)pyrene	0.052	0.1	0.0052

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-4W25 (0-6")
 Sample Date 06/20/2017 12:55
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.110	1.0	0.1100
Benzo(a)anthracene	0.140	0.1	0.0140
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.079	0.01	0.0008
Chrysene	0.100	0.001	0.0001
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.066	0.1	0.0066

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-4W25 (6"-2')
 Sample Date 06/20/2017 13:00
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.140	1.0	0.1400
Benzo(a)anthracene	0.170	0.1	0.0170
Benzo(b)fluoranthene	0.180	0.1	0.0180
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.110	0.001	0.0001
Dibenz(a,h)anthracene	0.032	1.0	0.0320
Indeno(1,2,3-cd)pyrene	0.081	0.1	0.0081

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-18E25 (0-6")
 Sample Date 06/20/2017 14:57
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.069	1.0	0.0690
Benzo(a)anthracene	0.100	0.1	0.0100
Benzo(b)fluoranthene	0.100	0.1	0.0100
Benzo(k)fluoranthene	0.053	0.01	0.0005
Chrysene	0.064	0.001	0.0001
Dibenz(a,h)anthracene	0.025	1.0	0.0245
Indeno(1,2,3-cd)pyrene	0.057	0.1	0.0057

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-18E25 (6"-2')
 Sample Date 06/20/2017 14:59
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.005	1.0	0.0048
Benzo(a)anthracene	0.012	0.1	0.0012
Benzo(b)fluoranthene	0.031	0.1	0.0031
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.015	0.001	0.0000
Dibenz(a,h)anthracene	0.021	1.0	0.0205
Indeno(1,2,3-cd)pyrene	0.021	0.1	0.0021

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-18 (0-6")
 Sample Date 06/20/2017 15:07
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.024	1.0	0.0240
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.030	0.1	0.0030
Benzo(k)fluoranthene	0.010	0.01	0.0001
Chrysene	0.017	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-18 (6"-2')
 Sample Date 06/20/2017 15:09
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.005	1.0	0.0050
Benzo(a)anthracene	0.013	0.1	0.0013
Benzo(b)fluoranthene	0.033	0.1	0.0033
Benzo(k)fluoranthene	0.010	0.01	0.0001
Chrysene	0.016	0.001	0.0000
Dibenz(a,h)anthracene	0.022	1.0	0.0220
Indeno(1,2,3-cd)pyrene	0.022	0.1	0.0022

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-18W25 (0-6")
 Sample Date 06/20/2017 15:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.077	1.0	0.0770
Benzo(a)anthracene	0.060	0.1	0.0060
Benzo(b)fluoranthene	0.098	0.1	0.0098
Benzo(k)fluoranthene	0.068	0.01	0.0007
Chrysene	0.061	0.001	0.0001
Dibenz(a,h)anthracene	0.011	1.0	0.0110
Indeno(1,2,3-cd)pyrene	0.052	0.1	0.0052

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-18W25 (6"-2')
 Sample Date 06/20/2017 15:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0022
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-20E25 (0-6")
 Sample Date 06/20/2017 16:02
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.097	1.0	0.0970
Benzo(a)anthracene	0.100	0.1	0.0100
Benzo(b)fluoranthene	0.110	0.1	0.0110
Benzo(k)fluoranthene	0.070	0.01	0.0007
Chrysene	0.130	0.001	0.0001
Dibenz(a,h)anthracene	0.009	1.0	0.0085
Indeno(1,2,3-cd)pyrene	0.044	0.1	0.0044

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-20E25 (6"-2')
 Sample Date 06/20/2017 16:04
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.006	1.0	0.0055
Benzo(a)anthracene	0.014	0.1	0.0014
Benzo(b)fluoranthene	0.037	0.1	0.0037
Benzo(k)fluoranthene	0.011	0.01	0.0001
Chrysene	0.018	0.001	0.0000
Dibenz(a,h)anthracene	0.025	1.0	0.0245
Indeno(1,2,3-cd)pyrene	0.025	0.1	0.0025

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-20 (0-6")
 Sample Date 06/20/2017 16:22
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0021
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.013	0.1	0.0013
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.006	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0085
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-20 (6"-2')
 Sample Date 06/20/2017 16:24
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0021
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.013	0.1	0.0013
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.006	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-20W40 (0-6")
 Sample Date 06/20/2017 16:42
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.005	1.0	0.0047
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-20W40 (6"-2')
 Sample Date 06/20/2017 16:44
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.880	1.0	0.8800
Benzo(a)anthracene	1.200	0.1	0.1200
Benzo(b)fluoranthene	1.400	0.1	0.1400
Benzo(k)fluoranthene	0.560	0.01	0.0056
Chrysene	0.880	0.001	0.0009
Dibenz(a,h)anthracene	0.200	1.0	0.2000
Indeno(1,2,3-cd)pyrene	0.630	0.1	0.0630

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.4

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-22 W25 (0-6")
 Sample Date 06/21/2017 10:37
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0023
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.015	0.1	0.0015
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0100
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-22 W25 (6"-2')
 Sample Date 06/21/2017 10:39
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.015	1.0	0.0150
Benzo(a)anthracene	0.016	0.1	0.0016
Benzo(b)fluoranthene	0.013	0.1	0.0013
Benzo(k)fluoranthene	0.024	0.01	0.0002
Chrysene	0.030	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0085
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-22 (0-6")
 Sample Date 06/21/2017 10:52
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0021
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.007	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-22 (6"-2')
 Sample Date 06/21/2017 10:54
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.009	1.0	0.0089
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.013	0.1	0.0013
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.006	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0085
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-22 E25 (0-6")
 Sample Date 06/21/2017 11:12
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.002	1.0	0.0021
Benzo(a)anthracene	0.005	0.1	0.0005
Benzo(b)fluoranthene	0.013	0.1	0.0013
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.006	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0085
Indeno(1,2,3-cd)pyrene	0.009	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-22 E25 (6"-2')
 Sample Date 06/21/2017 11:14
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.038	1.0	0.0380
Benzo(a)anthracene	0.018	0.1	0.0018
Benzo(b)fluoranthene	0.071	0.1	0.0071
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.038	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.022	0.1	0.0022

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-19 (0-6")
 Sample Date 06/21/2017 11:57
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.043	1.0	0.0430
Benzo(a)anthracene	0.025	0.1	0.0025
Benzo(b)fluoranthene	0.045	0.1	0.0045
Benzo(k)fluoranthene	0.048	0.01	0.0005
Chrysene	0.048	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.024	0.1	0.0024

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-19 (6"-2')
 Sample Date 06/21/2017 11:59
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.100	1.0	0.1000
Benzo(a)anthracene	0.089	0.1	0.0089
Benzo(b)fluoranthene	0.150	0.1	0.0150
Benzo(k)fluoranthene	0.073	0.01	0.0007
Chrysene	0.110	0.001	0.0001
Dibenz(a,h)anthracene	0.048	1.0	0.0480
Indeno(1,2,3-cd)pyrene	0.080	0.1	0.0080

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-21 (0-6")
 Sample Date 06/21/2017 12:20
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.040	1.0	0.0400
Benzo(a)anthracene	0.029	0.1	0.0029
Benzo(b)fluoranthene	0.072	0.1	0.0072
Benzo(k)fluoranthene	0.033	0.01	0.0003
Chrysene	0.052	0.001	0.0001
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.041	0.1	0.0041

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-21 (6"-2')
 Sample Date 06/21/2017 12:22
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.040	1.0	0.0400
Benzo(a)anthracene	0.035	0.1	0.0035
Benzo(b)fluoranthene	0.054	0.1	0.0054
Benzo(k)fluoranthene	0.036	0.01	0.0004
Chrysene	0.048	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.029	0.1	0.0029

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-23 E25 (0-6")
 Sample Date 06/21/2017 14:07
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.360	1.0	0.3600
Benzo(a)anthracene	0.270	0.1	0.0270
Benzo(b)fluoranthene	0.500	0.1	0.0500
Benzo(k)fluoranthene	0.250	0.01	0.0025
Chrysene	0.380	0.001	0.0004
Dibenz(a,h)anthracene	0.110	1.0	0.1100
Indeno(1,2,3-cd)pyrene	0.270	0.1	0.0270

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.6

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-23 E25 (6"-2')
 Sample Date 06/21/2017 14:09
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.019	1.0	0.0190
Benzo(a)anthracene	0.017	0.1	0.0017
Benzo(b)fluoranthene	0.037	0.1	0.0037
Benzo(k)fluoranthene	0.018	0.01	0.0002
Chrysene	0.026	0.001	0.0000
Dibenz(a,h)anthracene	0.011	1.0	0.0110
Indeno(1,2,3-cd)pyrene	0.011	0.1	0.0011

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-23 W25 (0-6")
 Sample Date 06/21/2017 14:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.012	1.0	0.0120
Benzo(a)anthracene	0.006	0.1	0.0006
Benzo(b)fluoranthene	0.015	0.1	0.0015
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.015	0.001	0.0000
Dibenz(a,h)anthracene	0.010	1.0	0.0095
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-23 W25 (6"-2')
 Sample Date 06/21/2017 14:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.046	1.0	0.0460
Benzo(a)anthracene	0.053	0.1	0.0053
Benzo(b)fluoranthene	0.087	0.1	0.0087
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.049	0.001	0.0000
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.030	0.1	0.0030

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-23 (0-6")
 Sample Date 06/21/2017 14:30
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.110	1.0	0.1100
Benzo(a)anthracene	0.094	0.1	0.0094
Benzo(b)fluoranthene	0.170	0.1	0.0170
Benzo(k)fluoranthene	0.071	0.01	0.0007
Chrysene	0.120	0.001	0.0001
Dibenz(a,h)anthracene	0.011	1.0	0.0105
Indeno(1,2,3-cd)pyrene	0.073	0.1	0.0073

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-23 (6"-2')
 Sample Date 06/21/2017 14:35
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.190	1.0	0.1900
Benzo(a)anthracene	0.160	0.1	0.0160
Benzo(b)fluoranthene	0.410	0.1	0.0410
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.230	0.001	0.0002
Dibenz(a,h)anthracene	0.021	1.0	0.0205
Indeno(1,2,3-cd)pyrene	0.120	0.1	0.0120

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-24 W25 (0-6")
 Sample Date 06/21/2017 15:07
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.490	1.0	0.4900
Benzo(a)anthracene	0.350	0.1	0.0350
Benzo(b)fluoranthene	0.690	0.1	0.0690
Benzo(k)fluoranthene	0.400	0.01	0.0040
Chrysene	0.460	0.001	0.0005
Dibenz(a,h)anthracene	0.120	1.0	0.1200
Indeno(1,2,3-cd)pyrene	0.320	0.1	0.0320

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.8

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-24 W25 (6"-2')
 Sample Date 06/21/2017 15:09
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	1.300	1.0	1.3000
Benzo(a)anthracene	1.100	0.1	0.1100
Benzo(b)fluoranthene	1.800	0.1	0.1800
Benzo(k)fluoranthene	0.770	0.01	0.0077
Chrysene	1.000	0.001	0.0010
Dibenz(a,h)anthracene	0.020	1.0	0.0195
Indeno(1,2,3-cd)pyrene	0.780	0.1	0.0780

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.7

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-24 E25 (0-6")
 Sample Date 06/21/2017 15:17
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.088	1.0	0.0880
Benzo(a)anthracene	0.057	0.1	0.0057
Benzo(b)fluoranthene	0.110	0.1	0.0110
Benzo(k)fluoranthene	0.086	0.01	0.0009
Chrysene	0.077	0.001	0.0001
Dibenz(a,h)anthracene	0.009	1.0	0.0090
Indeno(1,2,3-cd)pyrene	0.055	0.1	0.0055

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-24 E25 (6"-2')
 Sample Date 06/21/2017 15:19
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.150	1.0	0.1500
Benzo(a)anthracene	0.100	0.1	0.0100
Benzo(b)fluoranthene	0.210	0.1	0.0210
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.150	0.001	0.0002
Dibenz(a,h)anthracene	0.058	1.0	0.0580
Indeno(1,2,3-cd)pyrene	0.094	0.1	0.0094

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-24 (0-6")
 Sample Date 06/21/2017 15:20
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.450	1.0	0.4500
Benzo(a)anthracene	0.350	0.1	0.0350
Benzo(b)fluoranthene	0.660	0.1	0.0660
Benzo(k)fluoranthene	0.420	0.01	0.0042
Chrysene	0.430	0.001	0.0004
Dibenz(a,h)anthracene	0.110	1.0	0.1100
Indeno(1,2,3-cd)pyrene	0.300	0.1	0.0300

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.7

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-24 (6"-2')
 Sample Date 06/21/2017 15:30
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.200	1.0	0.2000
Benzo(a)anthracene	0.150	0.1	0.0150
Benzo(b)fluoranthene	0.300	0.1	0.0300
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.160	0.001	0.0002
Dibenz(a,h)anthracene	0.054	1.0	0.0540
Indeno(1,2,3-cd)pyrene	0.120	0.1	0.0120

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-25 E25 (0-6")
 Sample Date 06/21/2017 16:12
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.029	1.0	0.0290
Benzo(a)anthracene	0.029	0.1	0.0029
Benzo(b)fluoranthene	0.031	0.1	0.0031
Benzo(k)fluoranthene	0.009	0.01	0.0001
Chrysene	0.015	0.001	0.0000
Dibenz(a,h)anthracene	0.021	1.0	0.0205
Indeno(1,2,3-cd)pyrene	0.021	0.1	0.0021

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-25 E25 (6"-2')
 Sample Date 06/21/2017 16:14
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.900	1.0	0.9000
Benzo(a)anthracene	0.940	0.1	0.0940
Benzo(b)fluoranthene	1.100	0.1	0.1100
Benzo(k)fluoranthene	0.720	0.01	0.0072
Chrysene	0.900	0.001	0.0009
Dibenz(a,h)anthracene	0.200	1.0	0.2000
Indeno(1,2,3-cd)pyrene	0.530	0.1	0.0530

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.4

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-25 (0-6")
 Sample Date 06/21/2017 16:29
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.036	1.0	0.0360
Benzo(a)anthracene	0.029	0.1	0.0029
Benzo(b)fluoranthene	0.046	0.1	0.0046
Benzo(k)fluoranthene	0.028	0.01	0.0003
Chrysene	0.033	0.001	0.0000
Dibenz(a,h)anthracene	0.039	1.0	0.0390
Indeno(1,2,3-cd)pyrene	0.025	0.1	0.0025

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-25 (6"-2')
 Sample Date 06/21/2017 16:29
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.087	1.0	0.0870
Benzo(a)anthracene	0.076	0.1	0.0076
Benzo(b)fluoranthene	0.140	0.1	0.0140
Benzo(k)fluoranthene	0.059	0.01	0.0006
Chrysene	0.092	0.001	0.0001
Dibenz(a,h)anthracene	0.092	1.0	0.0920
Indeno(1,2,3-cd)pyrene	0.065	0.1	0.0065

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-25 W25 (0-6")
 Sample Date 06/21/2017 16:42
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.048	1.0	0.0480
Benzo(a)anthracene	0.038	0.1	0.0038
Benzo(b)fluoranthene	0.070	0.1	0.0070
Benzo(k)fluoranthene	0.038	0.01	0.0004
Chrysene	0.055	0.001	0.0001
Dibenz(a,h)anthracene	0.038	1.0	0.0380
Indeno(1,2,3-cd)pyrene	0.035	0.1	0.0035

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.1**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____
 Soil Sample No. SB-25 W25 (6"-2')
 Sample Date 06/21/2017 16:44
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.049	1.0	0.0490
Benzo(a)anthracene	0.043	0.1	0.0043
Benzo(b)fluoranthene	0.064	0.1	0.0064
Benzo(k)fluoranthene	0.028	0.01	0.0003
Chrysene	0.045	0.001	0.0000
Dibenz(a,h)anthracene	0.067	1.0	0.0670
Indeno(1,2,3-cd)pyrene	0.018	0.1	0.0018

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
e MDL but < PQL	Estimated	I	reported (estimated) value
e MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

 Soil Sample No. SB-12 (0-6")
 Sample Date 06/27/2017 10:15
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.770	1.0	0.7700
Benzo(a)anthracene	0.630	0.1	0.0630
Benzo(b)fluoranthene	1.400	0.1	0.1400
Benzo(k)fluoranthene	0.480	0.01	0.0048
Chrysene	0.760	0.001	0.0008
Dibenz(a,h)anthracene	0.160	1.0	0.1600
Indeno(1,2,3-cd)pyrene	0.520	0.1	0.0520

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 1.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries

Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-12 (6"-2')
 Sample Date 06/27/2017 10:20
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.004	1.0	0.0041
Benzo(a)anthracene	0.010	0.1	0.0010
Benzo(b)fluoranthene	0.027	0.1	0.0027
Benzo(k)fluoranthene	0.008	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.018	1.0	0.0175
Indeno(1,2,3-cd)pyrene	0.018	0.1	0.0018

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-14 (0-6")
 Sample Date 06/27/2017 11:05
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.095	1.0	0.0950
Benzo(a)anthracene	0.069	0.1	0.0069
Benzo(b)fluoranthene	0.190	0.1	0.0190
Benzo(k)fluoranthene	0.063	0.01	0.0006
Chrysene	0.110	0.001	0.0001
Dibenz(a,h)anthracene	0.018	1.0	0.0175
Indeno(1,2,3-cd)pyrene	0.073	0.1	0.0073

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-14 (6"-2')
 Sample Date 06/27/2017 11:15
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.004	1.0	0.0042
Benzo(a)anthracene	0.011	0.1	0.0011
Benzo(b)fluoranthene	0.027	0.1	0.0027
Benzo(k)fluoranthene	0.008	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.018	1.0	0.0180
Indeno(1,2,3-cd)pyrene	0.018	0.1	0.0018

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.0

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-16 (0-6")
 Sample Date 06/27/2017 11:40
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.069	1.0	0.0690
Benzo(a)anthracene	0.052	0.1	0.0052
Benzo(b)fluoranthene	0.120	0.1	0.0120
Benzo(k)fluoranthene	0.044	0.01	0.0004
Chrysene	0.051	0.001	0.0001
Dibenz(a,h)anthracene	0.019	1.0	0.0185
Indeno(1,2,3-cd)pyrene	0.054	0.1	0.0054

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-16 (6"-2')
 Sample Date 06/27/2017 11:50
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.027	1.0	0.0270
Benzo(a)anthracene	0.022	0.1	0.0022
Benzo(b)fluoranthene	0.026	0.1	0.0026
Benzo(k)fluoranthene	0.024	0.01	0.0002
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.017	1.0	0.0170
Indeno(1,2,3-cd)pyrene	0.017	0.1	0.0017

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-17 (0-6")
 Sample Date 06/27/2017 12:10
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.068	1.0	0.0680
Benzo(a)anthracene	0.039	0.1	0.0039
Benzo(b)fluoranthene	0.130	0.1	0.0130
Benzo(k)fluoranthene	0.053	0.01	0.0005
Chrysene	0.052	0.001	0.0001
Dibenz(a,h)anthracene	0.025	1.0	0.0245
Indeno(1,2,3-cd)pyrene	0.056	0.1	0.0056

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.1

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: 6783-17-2970/The Underline
 Location: _____
 Facility/Site ID No.: _____

Soil Sample No. SB-17 (6"-2')
 Sample Date 06/27/2017 12:20
 Location: _____
 Depth (ft): _____

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.140	1.0	0.1400
Benzo(a)anthracene	0.120	0.1	0.0120
Benzo(b)fluoranthene	0.240	0.1	0.0240
Benzo(k)fluoranthene	0.120	0.01	0.0012
Chrysene	0.130	0.001	0.0001
Dibenz(a,h)anthracene	0.042	1.0	0.0420
Indeno(1,2,3-cd)pyrene	0.091	0.1	0.0091

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value