

Memo

To: Michael Moore (GP)

From: Roger Miller and Paul Killian (GEI)

Date: May 21, 2015

Re: Addendum 1 to the Soil Management Plan for the GP Broadway Mill Parking Lot Resurfacing Project

In response to our meeting on May 6, 2015, GEI Consultants, Inc., (GEI) provides this Addendum to the Soil Management Plan (SMP) for the Broadway Mill parking lot resurfacing project dated March 17, 2015. This Addendum was prepared to provide additional site assessment results and clarification of proposed soil staging and placement areas on the property for low-level solid waste.

On May 11, 2015, Probe Technologies, Inc., Palmyra, Wisconsin, advanced four Geoprosbes and installed three temporary wells in Lot 3 as illustrated on the attached revised SMP Figure 4. Boring/Temporary Well TW-6 was installed near Geoprobe GP-6 to obtain deeper soil data and groundwater data at a location of documented shallow petroleum impact (in the smear zone). Boring/Temporary Well TW-8 was installed at a likely downgradient location with respect to the petroleum-impacted portion of the parking lot. Shallow soil and groundwater samples were analyzed from this location. Temporary Well TW-7 was installed to obtain groundwater data north of the petroleum-impacted area in the parking lot. Geoprobe GP-14 was advanced to provide further definition of the western/northwestern extent of shallow soil petroleum impacts. Soil and groundwater analytical results are summarized on the attached Tables 1 and 2.

Based on the additional site assessment results, the extent of petroleum impacts in Lot 3 appears to be limited to the previously-defined Soil Management Area A. Although benzene was detected above its enforcement standard (ES) in TW-6 (224 micrograms per liter [$\mu\text{g}/\text{L}$] versus ES of 5 $\mu\text{g}/\text{L}$), volatile organic compounds (VOCs) were not reported for the other two temporary wells, except for a slight detection of tert-butylbenzene in TW-8 (3.3 $\mu\text{g}/\text{l}$), a petroleum-related VOC that does not have established groundwater quality standards. VOCs were also not detected in shallow soil samples collected from Borings TW-8 or GP-14. Benzene was detected in a saturated soil sample collected from a depth of 10 -12 feet below ground surface in Boring TW-6 at a concentration of 42 micrograms per kilogram ($\mu\text{g}/\text{kg}$), which is two orders of magnitude below the concentration detected in a shallower sample interval at this location in Boring GP-6.

To facilitate management of excess soil on the property during parking lot reconstruction, Georgia-Pacific Consumer Products LP (GP) has identified an area in the eastern portion of the property for additional soil staging and placement. This additional soil management area is highlighted in the attached revised SMP Figure 5. Although this area is within 300 feet of the Fox River, it is reportedly mapped outside of the floodplain. Procedures for soil staging/stockpiling and placement would remain consistent with applicable portions of the SMP.

Removal of the asphalt, grading, and storm sewer lateral installation for Lot 3 is scheduled to begin June 1, 2015, and is planned to proceed from north to south. As described in the SMP, we plan to collect soil data from pre-determined excavation zones within Soil Management Area A (and as we move into the WI-MI Auto site later this year), so we can define the appropriate disposition for soil from each zone before it is excavated.

Alternatively and as described in the SMP, 100/300 cyd units of soil may be segregated and sampled in temporary stockpiles prior to further management on or off site.

We welcome the opportunity to further discuss the additional site assessment information and proposed approach at your earliest convenience.

Enclosures:

Table 1 – Soil Analytical Summary

Table 2 – Groundwater analytical Summary

Figure 4 – Soil Management Areas

Figure 5 – Soil Staging and Relocation Areas

Laboratory Analytical Report

Table 1
Soil Analytical Summary
Georgia-Pacific Broadway Mill Parking Lot
Green Bay, WI

Sample No.	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-6	GP-7	GP-7	Wisconsin Regulatory Standards		
Sample Date	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	NR 720 RCL ¹		
Sample Depth (ft)	2.5 - 4.0	0.5 - 2.0	1.0 - 2.0	1.0 - 2.0	1.0 - 2.0	1.0 - 2.0	2.0 - 3.0	1.0 - 2.0	2.0 - 3.0	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Pathway
METAL												
Lead	6.9	3.8	8.0	19.4	8.4	55.2	20.2	8.2	7.9	400	800	--
VOCs (detected analytes)²												
Benzene	<25.0	<25.0	35.8 J	<25.0	<25.0	30.0 J	6,320	<25.0	<25.0	1,490	7,410	5.1
n-Butylbenzene	95.7	<25.0	<25.0	<25.0	<25.0	<25.0	10,100	<25.0	<25.0	108,000	108,000	NL
sec-Butylbenzene	251	<25.0	<25.0	<25.0	<25.0	<25.0	2,740	<25.0	<25.0	145,000	145,000	NL
tert-Butylbenzene	177	<25.0	<25.0	<25.0	<25.0	<25.0	2,270	<25.0	<25.0	183,000	183,000	NL
2-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	907,000	907,000	NL
4-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	253,000	253,000	NL
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	376,000	376,000	1,168
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	156,000	2,040,000	41.2
Ethylbenzene	<25.0	<25.0	41.9 J	<25.0	46.8 J	31.4 J	9,040	<25.0	<25.0	7,470	37,000	1,570
Isopropylbenzene (Cumene)	32.6 J	<25.0	<25.0	<25.0	<25.0	<25.0	1,910	<25.0	<25.0	268,000	268,000	NL
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4,830	<25.0	<25.0	162,000	162,000	NL
Naphthalene	<40.0	<40.0	90.8 J	<40.0	94.6 J	90.0 J	6,490	<40.0	<40.0	5,150	182,000	658.2
n-Propylbenzene	64.9 J	<25.0	36.9 J	<25.0	<25.0	<25.0	3,970	<25.0	<25.0	264,000	264,000	NL
Toluene	<25.0	<25.0	205	<25.0	201	86.4	3,720	<25.0	<25.0	818,000	818,000	1,107.2
1,2,4-Trimethylbenzene	<25.0	<25.0	49.5 J	<47.6	76.7	58.7 J	29,300	<25.0	<25.0	89,800	219,000	1,382.1
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	15,800	<25.0	<25.0	182,000	182,000	1,382.1
m&p-Xylene	<50.0	<50.0	110 J	<50.0	143 J	84.7 J	20,900	<50.0	<50.0	258,000	258,000	3,940
o-Xylene	<25.0	<25.0	91.5	<25.0	97.1	62.3 J	5,310	<25.0	<25.0	258,000	258,000	3,940
Notes												
(mg/kg) = milligrams per kilogram ; (ug/kg) = micrograms per kilogram ; --- = not analyzed ; VOCs = Volatile Organic Compounds ; NL = no limit established;												
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level. RCLs were obtained from the WDNR R&R Program spreadsheet (revised June 2014) of RCLs calculated using the EPA's Regional Screening Level (RSL) web calculator following procedures in NR 720.12 for direct contact RCLs and NR 720.10 for groundwater pathway RCLs.												
² Only analytes detected above the method detection limit are listed; refer to the laboratory analytical report for a full list of assessed analytes												
J = between the laboratory method detection limit and reporting limit; < = analyte not detected above method detection limit												
NR 720 exceedance identified by: 100												

Table 1
Soil Analytical Summary
Georgia-Pacific Broadway Mill Parking Lot
Green Bay, WI

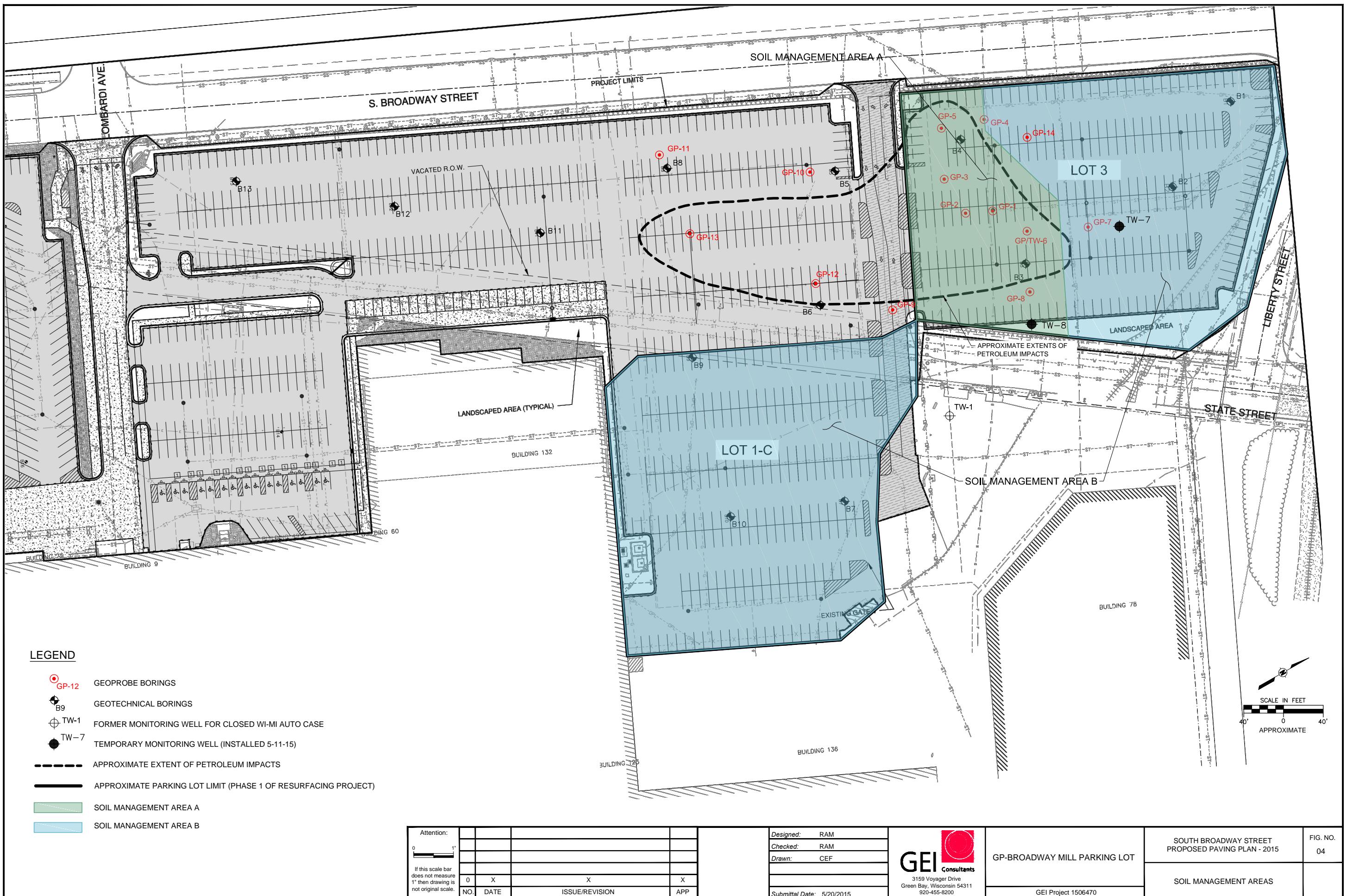
Sample No.	GP-8	GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	Wisconsin Regulatory Standards		
	Sample Date	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	NR 720 RCL ^{1,2,3}		
		Sample Depth (ft)	0.5 - 1.5	2.0 - 3.0	1.0 - 2.0	1.0 - 2.5	1.0 - 2.0	1.0 - 3.0	1.0 - 2.0	Non-Industrial Direct Contact
METAL	Concentration (mg/kg)									
Lead	9.2	70.0	--	--	--	--	--	400	800	--
VOCs (detected analytes)²	Concentration (ug/kg)									
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	1,490	7,410	5.1
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	1,550	63.0 J	108,000	108,000	NL
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	1,250	<25.0	145,000	145,000	NL
tert-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	183,000	183,000	NL
2-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	734	<25.0	907,000	907,000	NL
4-Chlorotoluene	<25.0	<25.0	<25.0	<25.0	<25.0	338	<25.0	253,000	253,000	NL
1,2-Dichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	116 J	<25.0	376,000	376,000	1,168
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	38.4 J	156,000	2,040,000	41.2
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	494	32.7 J	7,470	37,000	1,570
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	<25.0	<25.0	445	<25.0	268,000	268,000	NL
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	162,000	162,000	NL
Naphthalene	<40.0	<40.0	<40.0	<40.0	<40.0	101 J	<40.0	5,150	182,000	658.2
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	1,510	<25.0	264,000	264,000	NL
Toluene	68.0 J	<25.0	<25.0	<25.0	<25.0	<50.0	67.2 J	818,000	818,000	1,107.2
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	7,900	75.0	89,800	219,000	1,382.1
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	98.9 J	<25.0	182,000	182,000	1,382.1
m&p-Xylene	<50.0	<50.0	<50.0	<50.0	<50.0	184 J	102 J	258,000	258,000	3,940
o-Xylene	<25.0	<25.0	<25.0	<25.0	<25.0	215	31.0 J	258,000	258,000	3,940
Notes										
(mg/kg) = milligrams per kilogram ; (ug/kg) = micrograms per kilogram ; --- = not analyzed ; VOCs = Volatile Organic Compounds ; NL = no limit established;										
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level. RCLs were obtained from the WDNR R&R Program spreadsheet (revised June 2014) of RCLs calculated using the EPA's Regional Screening Level (RSL) web calculator following procedures in NR 720.12 for direct contact RCLs and NR 720.10 for groundwater pathway RCLs.										
² Only analytes detected above the method detection limit are listed; refer to the laboratory analytical report for a full list of assessed analytes										
J = between the laboratory method detection limit and reporting limit; < = analyte not detected above method detection limit										
NR 720 exceedance identified by:	100									

Table 1
Soil Analytical Summary
Georgia-Pacific Broadway Mill Parking Lot
Green Bay, WI

Sample No.	TW-6	TW-8	GP-14	GP-14	Wisconsin Regulatory Standards			
	Sample Date	5/11/15	5/11/15	5/11/15	5/11/15	NR 720 RCL ^{1,2,3}		
		Sample Depth (ft)	10.0-12.0	0.5-1.5	0.8-1.5	3.0-4.0	Non-Industrial Direct Contact	Industrial Direct Contact
METAL				Concentration (mg/kg)				
Lead	6.1	66.7	44.7	7.8	400	800	--	
VOCs (detected analytes)²				Concentration (ug/kg)				
Benzene	42	< 25.0	< 25.0	< 25.0	1,490	7,410	5.1	
n-Butylbenzene	< 25.0	< 25.0	< 25.0	< 25.0	108,000	108,000	NL	
sec-Butylbenzene	< 25.0	< 25.0	< 25.0	< 25.0	145,000	145,000	NL	
tert-Butylbenzene	35.4 J	< 25.0	< 25.0	< 25.0	183,000	183,000	NL	
2-Chlorotoluene	< 25.0	< 25.0	< 25.0	< 25.0	907,000	907,000	NL	
4-Chlorotoluene	< 25.0	< 25.0	< 25.0	< 25.0	253,000	253,000	NL	
1,2-Dichlorobenzene	< 25.0	< 25.0	< 25.0	< 25.0	376,000	376,000	1,168	
cis-1,2-Dichloroethene	< 25.0	< 25.0	< 25.0	< 25.0	156,000	2,040,000	41.2	
Ethylbenzene	< 25.0	< 25.0	< 25.0	< 25.0	7,470	37,000	1,570	
Isopropylbenzene (Cumene)	< 25.0	< 25.0	< 25.0	< 25.0	268,000	268,000	NL	
p-Isopropyltoluene	< 25.0	< 25.0	< 25.0	< 25.0	162,000	162,000	NL	
Naphthalene	< 40.0	< 40.0	< 40.0	< 40.0	5,150	182,000	658.2	
n-Propylbenzene	44.1 J	< 25.0	< 25.0	< 25.0	264,000	264,000	NL	
Toluene	< 25.0	< 25.0	< 25.0	< 25.0	818,000	818,000	1,107.2	
1,2,4-Trimethylbenzene	< 25.0	< 25.0	< 25.0	< 25.0	89,800	219,000	1,382.1	
1,3,5-Trimethylbenzene	< 25.0	< 25.0	< 25.0	< 25.0	182,000	182,000	1,382.1	
m&p-Xylene	< 50.0	< 50.0	< 50.0	< 50.0	258,000	258,000	3,940	
o-Xylene	< 25.0	< 25.0	< 25.0	< 25.0	258,000	258,000	3,940	
Notes								
(mg/kg) = milligrams per kilogram ; (ug/kg) = micrograms per kilogram ; --- = not analyzed ; VOCs = Volatile Organic Compounds ; NL = no limit established;								
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NR 720 exceedance identified by: 100								

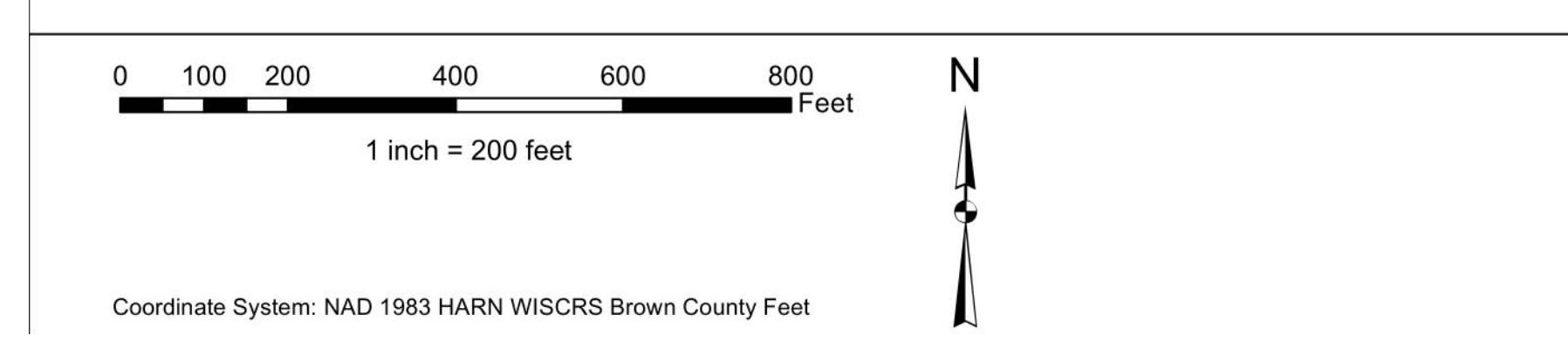
Table 2
Groundwater Analytical Summary
Georgia Pacific Broadway Mill Parking Lot
Green Bay, WI

Sample No.	TW-7	TW-6	TW-8	Wisconsin Regulatory Standards	
	Date	5/11/15	5/11/15	5/14/15	ES ¹
VOC (detected analytes) ³	Concentration (ug/l)				
Benzene	< 0.50	224	< 0.50	5	0.5
Ethylbenzene	< 0.50	29.2	< 0.50	700	140
Isopropylbenzene	< 0.14	2.2	< 0.14	NL	NL
Naphthalene	< 2.5	13.7	< 2.5	100	10
n-Propylbenzene	< 0.50	3.2	< 0.50	NL	NL
p-Isopropyltoluene	< 0.50	1.9 J	< 0.50	NL	NL
tert-Butylbenzene	< 0.18	0.9 J	3.3	NL	NL
Toluene	< 0.50	15.2	< 0.50	1,000	200
Trimethylbenzenes	< 0.50	39.5	< 0.50	480	96
Xylenes	< 1.0	78.5	< 1.0	10,000	1,000





Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GS User Community



If this scale bar does not measure 1" then drawing is not original scale.

0 X X X

NO.

DATE

ISSUE/REVISION

APP

Designed: RAM
Checked: RAM
Drawn: CEF
Submittal Date: 5/20/2015

GEI Consultants
3159 Voyager Drive
Green Bay, Wisconsin 54311
920-455-8200

GP-BROADWAY MILL PARKING LOT
GEI Project 1506470

SOUTH BROADWAY STREET
PROPOSED PAVING PLAN - 2015
FIG. NO.
05
SOIL STAGING AND RELOCATION AREAS

Filename: J:\2014\1401830 - GP BROADWAY MILL PARKING LOT\ACAD-1401830001_2015.05.20.DWG Last saved by: JLEMMENS Last Plotted: 2015-05-20

May 19, 2015

Roger Miller
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory between May 12, 2015 and May 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1506470 BROADWAY MILL PARKING
 Pace Project No.: 40114581

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40114581001	TW-7	Water	05/11/15 16:11	05/12/15 10:56
40114581002	TW-6	Water	05/11/15 14:30	05/12/15 10:56
40114581003	TW-6, 10-12'	Solid	05/11/15 14:00	05/12/15 10:56
40114581004	TW-8, 0.5-1.5'	Solid	05/11/15 14:50	05/12/15 10:56
40114581005	GP-14 0.8-1.5'	Solid	05/11/15 16:30	05/12/15 10:56
40114581006	GP-14 3-4'	Solid	05/11/15 16:35	05/12/15 10:56
40114757001	TW-8	Water	05/14/15 09:15	05/14/15 09:58

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40114581001	TW-7	EPA 8260	HNW	64	PASI-G
40114581002	TW-6	EPA 8260	HNW	64	PASI-G
40114581003	TW-6, 10-12'	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	RMS	1	PASI-G
40114581004	TW-8, 0.5-1.5'	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	RMS	1	PASI-G
40114581005	GP-14 0.8-1.5'	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	RMS	1	PASI-G
40114581006	GP-14 3-4'	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	RMS	1	PASI-G
40114757001	TW-8	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
40114581002	TW-6						
EPA 8260	Benzene	224	ug/L	2.5	05/13/15 16:06		
EPA 8260	tert-Butylbenzene	0.90J	ug/L	2.5	05/13/15 16:06		
EPA 8260	Ethylbenzene	29.2	ug/L	2.5	05/13/15 16:06		
EPA 8260	Isopropylbenzene (Cumene)	2.2J	ug/L	2.5	05/13/15 16:06		
EPA 8260	p-Isopropyltoluene	1.9J	ug/L	2.5	05/13/15 16:06		
EPA 8260	Naphthalene	13.7	ug/L	12.5	05/13/15 16:06		
EPA 8260	n-Propylbenzene	3.2	ug/L	2.5	05/13/15 16:06		
EPA 8260	Toluene	15.2	ug/L	2.5	05/13/15 16:06		
EPA 8260	1,2,4-Trimethylbenzene	29.5	ug/L	2.5	05/13/15 16:06		
EPA 8260	1,3,5-Trimethylbenzene	10.0	ug/L	2.5	05/13/15 16:06		
EPA 8260	m&p-Xylene	62.7	ug/L	5.0	05/13/15 16:06		
EPA 8260	o-Xylene	15.8	ug/L	2.5	05/13/15 16:06		
40114581003	TW-6, 10-12'						
EPA 6010	Lead	6.1	mg/kg	1.2	05/14/15 15:40		
EPA 8260	Benzene	42.0J	ug/kg	74.9	05/13/15 19:09		
EPA 8260	tert-Butylbenzene	35.4J	ug/kg	74.9	05/13/15 19:09		
EPA 8260	Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	05/13/15 19:09	W	
EPA 8260	n-Propylbenzene	44.1J	ug/kg	74.9	05/13/15 19:09		
ASTM D2974-87	Percent Moisture	19.9	%	0.10	05/18/15 10:33		
40114581004	TW-8, 0.5-1.5'						
EPA 6010	Lead	66.7	mg/kg	0.98	05/14/15 15:48		
ASTM D2974-87	Percent Moisture	15.0	%	0.10	05/18/15 10:33		
40114581005	GP-14 0.8-1.5'						
EPA 6010	Lead	44.7	mg/kg	1.1	05/14/15 15:50		
ASTM D2974-87	Percent Moisture	16.6	%	0.10	05/18/15 10:33		
40114581006	GP-14 3-4'						
EPA 6010	Lead	7.8	mg/kg	1.2	05/14/15 15:52		
ASTM D2974-87	Percent Moisture	19.9	%	0.10	05/18/15 10:33		
40114757001	TW-8						
EPA 8260	tert-Butylbenzene	3.3	ug/L	1.0	05/15/15 09:30		

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Sample: TW-7	Lab ID: 40114581001	Collected: 05/11/15 16:11	Received: 05/12/15 10:56	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/13/15 11:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/13/15 11:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/13/15 11:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/13/15 11:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/13/15 11:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/13/15 11:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/13/15 11:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/13/15 11:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/13/15 11:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/13/15 11:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/13/15 11:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/13/15 11:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/13/15 11:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/13/15 11:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/13/15 11:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/13/15 11:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/13/15 11:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/13/15 11:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/13/15 11:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/13/15 11:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/13/15 11:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/13/15 11:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/13/15 11:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/13/15 11:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/13/15 11:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/13/15 11:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/13/15 11:37	630-20-6	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Sample: TW-7	Lab ID: 40114581001	Collected: 05/11/15 16:11	Received: 05/12/15 10:56	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/13/15 11:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/13/15 11:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/13/15 11:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/13/15 11:37	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/13/15 11:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/13/15 11:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/13/15 11:37	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/13/15 11:37	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/13/15 11:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/13/15 11:37	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/13/15 11:37	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/13/15 11:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Sample: TW-6	Lab ID: 40114581002	Collected: 05/11/15 14:30	Received: 05/12/15 10:56	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	224	ug/L	2.5	1.2	2.5		05/13/15 16:06	71-43-2	
Bromobenzene	<0.58	ug/L	2.5	0.58	2.5		05/13/15 16:06	108-86-1	
Bromochloromethane	<0.85	ug/L	2.5	0.85	2.5		05/13/15 16:06	74-97-5	
Bromodichloromethane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	75-27-4	
Bromoform	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	75-25-2	
Bromomethane	<6.1	ug/L	12.5	6.1	2.5		05/13/15 16:06	74-83-9	
n-Butylbenzene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	104-51-8	
sec-Butylbenzene	<5.5	ug/L	12.5	5.5	2.5		05/13/15 16:06	135-98-8	
tert-Butylbenzene	0.90J	ug/L	2.5	0.45	2.5		05/13/15 16:06	98-06-6	
Carbon tetrachloride	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	56-23-5	
Chlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	108-90-7	
Chloroethane	<0.94	ug/L	2.5	0.94	2.5		05/13/15 16:06	75-00-3	
Chloroform	<6.2	ug/L	12.5	6.2	2.5		05/13/15 16:06	67-66-3	
Chloromethane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	74-87-3	
2-Chlorotoluene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	95-49-8	
4-Chlorotoluene	<0.53	ug/L	2.5	0.53	2.5		05/13/15 16:06	106-43-4	
1,2-Dibromo-3-chloropropane	<5.4	ug/L	12.5	5.4	2.5		05/13/15 16:06	96-12-8	
Dibromochloromethane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.44	ug/L	2.5	0.44	2.5		05/13/15 16:06	106-93-4	
Dibromomethane	<1.1	ug/L	2.5	1.1	2.5		05/13/15 16:06	74-95-3	
1,2-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	95-50-1	
1,3-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	541-73-1	
1,4-Dichlorobenzene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	106-46-7	
Dichlorodifluoromethane	<0.56	ug/L	2.5	0.56	2.5		05/13/15 16:06	75-71-8	
1,1-Dichloroethane	<0.60	ug/L	2.5	0.60	2.5		05/13/15 16:06	75-34-3	
1,2-Dichloroethane	<0.42	ug/L	2.5	0.42	2.5		05/13/15 16:06	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	2.5	1.0	2.5		05/13/15 16:06	75-35-4	
cis-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		05/13/15 16:06	156-59-2	
trans-1,2-Dichloroethene	<0.64	ug/L	2.5	0.64	2.5		05/13/15 16:06	156-60-5	
1,2-Dichloropropane	<0.58	ug/L	2.5	0.58	2.5		05/13/15 16:06	78-87-5	
1,3-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	142-28-9	
2,2-Dichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	594-20-7	
1,1-Dichloropropene	<1.1	ug/L	2.5	1.1	2.5		05/13/15 16:06	563-58-6	
cis-1,3-Dichloropropene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	10061-01-5	
trans-1,3-Dichloropropene	<0.57	ug/L	2.5	0.57	2.5		05/13/15 16:06	10061-02-6	
Diisopropyl ether	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	108-20-3	
Ethylbenzene	29.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	100-41-4	
Hexachloro-1,3-butadiene	<5.3	ug/L	12.5	5.3	2.5		05/13/15 16:06	87-68-3	
Isopropylbenzene (Cumene)	2.2J	ug/L	2.5	0.36	2.5		05/13/15 16:06	98-82-8	
p-Isopropyltoluene	1.9J	ug/L	2.5	1.2	2.5		05/13/15 16:06	99-87-6	
Methylene Chloride	<0.58	ug/L	2.5	0.58	2.5		05/13/15 16:06	75-09-2	
Methyl-tert-butyl ether	<0.44	ug/L	2.5	0.44	2.5		05/13/15 16:06	1634-04-4	
Naphthalene	13.7	ug/L	12.5	6.2	2.5		05/13/15 16:06	91-20-3	
n-Propylbenzene	3.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	103-65-1	
Styrene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	2.5	0.45	2.5		05/13/15 16:06	630-20-6	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Sample: TW-6	Lab ID: 40114581002	Collected: 05/11/15 14:30	Received: 05/12/15 10:56	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		05/13/15 16:06	79-34-5	
Tetrachloroethene	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	127-18-4	
Toluene	15.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	108-88-3	
1,2,3-Trichlorobenzene	<5.3	ug/L	12.5	5.3	2.5		05/13/15 16:06	87-61-6	
1,2,4-Trichlorobenzene	<5.5	ug/L	12.5	5.5	2.5		05/13/15 16:06	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	71-55-6	
1,1,2-Trichloroethane	<0.49	ug/L	2.5	0.49	2.5		05/13/15 16:06	79-00-5	
Trichloroethene	<0.83	ug/L	2.5	0.83	2.5		05/13/15 16:06	79-01-6	
Trichlorofluoromethane	<0.46	ug/L	2.5	0.46	2.5		05/13/15 16:06	75-69-4	
1,2,3-Trichloropropane	<1.2	ug/L	2.5	1.2	2.5		05/13/15 16:06	96-18-4	
1,2,4-Trimethylbenzene	29.5	ug/L	2.5	1.2	2.5		05/13/15 16:06	95-63-6	
1,3,5-Trimethylbenzene	10.0	ug/L	2.5	1.2	2.5		05/13/15 16:06	108-67-8	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		05/13/15 16:06	75-01-4	
m&p-Xylene	62.7	ug/L	5.0	2.5	2.5		05/13/15 16:06	179601-23-1	
o-Xylene	15.8	ug/L	2.5	1.2	2.5		05/13/15 16:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2.5		05/13/15 16:06	460-00-4	HS,pH
Dibromofluoromethane (S)	96	%	70-130		2.5		05/13/15 16:06	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2.5		05/13/15 16:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: TW-6, 10-12' Lab ID: 40114581003 Collected: 05/11/15 14:00 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	6.1	mg/kg	1.2	0.52	1	05/13/15 14:03	05/14/15 15:40	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	42.0J	ug/kg	74.9	31.2	1	05/13/15 07:25	05/13/15 19:09	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	108-86-1	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	74-97-5	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-27-4	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-25-2	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	74-83-9	L2,W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/13/15 07:25	05/13/15 19:09	104-51-8	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	135-98-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	98-06-6	
tert-Butylbenzene	35.4J	ug/kg	74.9	31.2	1	05/13/15 07:25	05/13/15 19:09	56-23-5	
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	108-90-7	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-00-3	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/13/15 07:25	05/13/15 19:09	67-66-3	
Chloroform	<46.4	ug/kg	250	46.4	1	05/13/15 07:25	05/13/15 19:09	74-87-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	106-43-4	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	96-12-8	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/13/15 07:25	05/13/15 19:09	124-48-1	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	106-93-4	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	541-73-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	106-46-7	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-71-8	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-34-3	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	107-06-2	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	1634-04-4	W

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: TW-6, 10-12' Lab ID: 40114581003 Collected: 05/11/15 14:00 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Naphthalene	<40.0	ug/kg	250	40.0	1	05/13/15 07:25	05/13/15 19:09	91-20-3	W
n-Propylbenzene	44.1J	ug/kg	74.9	31.2	1	05/13/15 07:25	05/13/15 19:09	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/13/15 07:25	05/13/15 19:09	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/13/15 07:25	05/13/15 19:09	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	49-157		1	05/13/15 07:25	05/13/15 19:09	1868-53-7	
Toluene-d8 (S)	98	%	61-148		1	05/13/15 07:25	05/13/15 19:09	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	05/13/15 07:25	05/13/15 19:09	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	19.9	%	0.10	0.10	1			05/18/15 10:33	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: TW-8, 0.5-1.5" Lab ID: 40114581004 Collected: 05/11/15 14:50 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	66.7	mg/kg	0.98	0.42	1	05/13/15 14:03	05/14/15 15:48	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/13/15 07:25	05/13/15 19:32	74-83-9	L2,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/13/15 07:25	05/13/15 19:32	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/13/15 07:25	05/13/15 19:32	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/13/15 07:25	05/13/15 19:32	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	1634-04-4	W

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: TW-8, 0.5-1.5" Lab ID: 40114581004 Collected: 05/11/15 14:50 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Naphthalene	<40.0	ug/kg	250	40.0	1	05/13/15 07:25	05/13/15 19:32	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/13/15 07:25	05/13/15 19:32	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/13/15 07:25	05/13/15 19:32	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 19:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	49-157		1	05/13/15 07:25	05/13/15 19:32	1868-53-7	
Toluene-d8 (S)	114	%	61-148		1	05/13/15 07:25	05/13/15 19:32	2037-26-5	
4-Bromofluorobenzene (S)	102	%	53-134		1	05/13/15 07:25	05/13/15 19:32	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	15.0	%	0.10	0.10	1			05/18/15 10:33	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: GP-14 0.8-1.5' Lab ID: 40114581005 Collected: 05/11/15 16:30 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	44.7	mg/kg	1.1	0.47	1	05/13/15 14:03	05/14/15 15:50	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/13/15 07:25	05/13/15 18:47	74-83-9	L2,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/13/15 07:25	05/13/15 18:47	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/13/15 07:25	05/13/15 18:47	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/13/15 07:25	05/13/15 18:47	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	1634-04-4	W

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: GP-14 0.8-1.5' Lab ID: 40114581005 Collected: 05/11/15 16:30 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Naphthalene	<40.0	ug/kg	250	40.0	1	05/13/15 07:25	05/13/15 18:47	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/13/15 07:25	05/13/15 18:47	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/13/15 07:25	05/13/15 18:47	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/13/15 07:25	05/13/15 18:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	49-157		1	05/13/15 07:25	05/13/15 18:47	1868-53-7	
Toluene-d8 (S)	101	%	61-148		1	05/13/15 07:25	05/13/15 18:47	2037-26-5	
4-Bromofluorobenzene (S)	89	%	53-134		1	05/13/15 07:25	05/13/15 18:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	16.6	%	0.10	0.10	1			05/18/15 10:33	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: GP-14 3-4' Lab ID: 40114581006 Collected: 05/11/15 16:35 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	7.8	mg/kg	1.2	0.53	1	05/13/15 14:03	05/14/15 15:52	7439-92-1	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/13/15 13:45	05/14/15 16:44	74-83-9	L2,W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/13/15 13:45	05/14/15 16:44	75-00-3	L2,W
Chloroform	<46.4	ug/kg	250	46.4	1	05/13/15 13:45	05/14/15 16:44	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/13/15 13:45	05/14/15 16:44	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	1634-04-4	W

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Sample: GP-14 3-4' Lab ID: 40114581006 Collected: 05/11/15 16:35 Received: 05/12/15 10:56 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Naphthalene	<40.0	ug/kg	250	40.0	1	05/13/15 13:45	05/14/15 16:44	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/13/15 13:45	05/14/15 16:44	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/13/15 13:45	05/14/15 16:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/13/15 13:45	05/14/15 16:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	49-157		1	05/13/15 13:45	05/14/15 16:44	1868-53-7	
Toluene-d8 (S)	104	%	61-148		1	05/13/15 13:45	05/14/15 16:44	2037-26-5	
4-Bromofluorobenzene (S)	94	%	53-134		1	05/13/15 13:45	05/14/15 16:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	19.9	%	0.10	0.10	1			05/18/15 10:33	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Sample: TW-8	Lab ID: 40114757001	Collected: 05/14/15 09:15	Received: 05/14/15 09:58	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/15/15 09:30	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/15/15 09:30	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/15/15 09:30	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/15/15 09:30	135-98-8	
tert-Butylbenzene	3.3	ug/L	1.0	0.18	1		05/15/15 09:30	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/15/15 09:30	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/15/15 09:30	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/15/15 09:30	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/15/15 09:30	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/15/15 09:30	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/15/15 09:30	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/15/15 09:30	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/15 09:30	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/15/15 09:30	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/15/15 09:30	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/15 09:30	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/15 09:30	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/15/15 09:30	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/15/15 09:30	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/15/15 09:30	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/15/15 09:30	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/15/15 09:30	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/15/15 09:30	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/15/15 09:30	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/15/15 09:30	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/15/15 09:30	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/15/15 09:30	630-20-6	

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ANALYTICAL RESULTS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Sample: TW-8	Lab ID: 40114757001	Collected: 05/14/15 09:15	Received: 05/14/15 09:58	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/15/15 09:30	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/15/15 09:30	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/15/15 09:30	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/15/15 09:30	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/15/15 09:30	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/15/15 09:30	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/15/15 09:30	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/15/15 09:30	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/15/15 09:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/15/15 09:30	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		05/15/15 09:30	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/15/15 09:30	2037-26-5	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

QC Batch: MPRP/11884 Analysis Method: EPA 6010

QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 40114581003, 40114581004, 40114581005, 40114581006

METHOD BLANK: 1157115 Matrix: Solid

Associated Lab Samples: 40114581003, 40114581004, 40114581005, 40114581006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.0	05/14/15 14:43	

LABORATORY CONTROL SAMPLE: 1157116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.2	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1157117 1157118

Parameter	Units	40114238003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
Lead	mg/kg	29.5	63.3	63.3	87.6	89.4	92	95	75-125	2	20	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

QC Batch:	MSV/28434	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40114581003, 40114581004, 40114581005		

METHOD BLANK: 1157058 Matrix: Solid

Associated Lab Samples: 40114581003, 40114581004, 40114581005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/13/15 09:22	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/13/15 09:22	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/13/15 09:22	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/13/15 09:22	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/13/15 09:22	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/13/15 09:22	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/13/15 09:22	
1,2,3-Trichlorobenzene	ug/kg	29.3J	50.0	05/13/15 09:22	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/13/15 09:22	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/13/15 09:22	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/13/15 09:22	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/13/15 09:22	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/13/15 09:22	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/13/15 09:22	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/13/15 09:22	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/13/15 09:22	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/13/15 09:22	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/13/15 09:22	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/13/15 09:22	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/13/15 09:22	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/13/15 09:22	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/13/15 09:22	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/13/15 09:22	
Benzene	ug/kg	<9.2	20.0	05/13/15 09:22	
Bromobenzene	ug/kg	<20.6	50.0	05/13/15 09:22	
Bromochloromethane	ug/kg	<21.4	50.0	05/13/15 09:22	
Bromodichloromethane	ug/kg	<9.8	50.0	05/13/15 09:22	
Bromoform	ug/kg	<19.8	50.0	05/13/15 09:22	
Bromomethane	ug/kg	<69.9	250	05/13/15 09:22	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/13/15 09:22	
Chlorobenzene	ug/kg	<14.8	50.0	05/13/15 09:22	
Chloroethane	ug/kg	<67.0	250	05/13/15 09:22	
Chloroform	ug/kg	<46.4	250	05/13/15 09:22	
Chloromethane	ug/kg	<20.4	50.0	05/13/15 09:22	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/13/15 09:22	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/13/15 09:22	
Dibromochloromethane	ug/kg	<17.9	50.0	05/13/15 09:22	
Dibromomethane	ug/kg	<19.3	50.0	05/13/15 09:22	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/13/15 09:22	
Diisopropyl ether	ug/kg	<17.7	50.0	05/13/15 09:22	
Ethylbenzene	ug/kg	<12.4	50.0	05/13/15 09:22	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

METHOD BLANK: 1157058

Matrix: Solid

Associated Lab Samples: 40114581003, 40114581004, 40114581005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	40.2J	50.0	05/13/15 09:22	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/13/15 09:22	
m&p-Xylene	ug/kg	<34.4	100	05/13/15 09:22	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/13/15 09:22	
Methylene Chloride	ug/kg	<16.2	50.0	05/13/15 09:22	
n-Butylbenzene	ug/kg	12.7J	50.0	05/13/15 09:22	
n-Propylbenzene	ug/kg	<11.6	50.0	05/13/15 09:22	
Naphthalene	ug/kg	<40.0	250	05/13/15 09:22	
o-Xylene	ug/kg	<14.0	50.0	05/13/15 09:22	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/13/15 09:22	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/13/15 09:22	
Styrene	ug/kg	<9.0	50.0	05/13/15 09:22	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/13/15 09:22	
Tetrachloroethene	ug/kg	<12.9	50.0	05/13/15 09:22	
Toluene	ug/kg	<11.2	50.0	05/13/15 09:22	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/13/15 09:22	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/13/15 09:22	
Trichloroethene	ug/kg	<23.6	50.0	05/13/15 09:22	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/13/15 09:22	
Vinyl chloride	ug/kg	<21.1	50.0	05/13/15 09:22	
4-Bromofluorobenzene (S)	%	95	53-134	05/13/15 09:22	
Dibromofluoromethane (S)	%	100	49-157	05/13/15 09:22	
Toluene-d8 (S)	%	103	61-148	05/13/15 09:22	

LABORATORY CONTROL SAMPLE & LCSD: 1157059

1157060

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2760	2810	110	112	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2510	2600	100	104	70-130	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2540	2580	101	103	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2620	2640	105	105	70-130	0	20	
1,1-Dichloroethene	ug/kg	2500	2100	2120	84	85	70-132	1	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2460	2660	99	106	70-130	8	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2360	2350	94	94	45-150	0	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2430	2540	97	102	70-130	5	20	
1,2-Dichlorobenzene	ug/kg	2500	2340	2450	94	98	70-130	5	20	
1,2-Dichloroethane	ug/kg	2500	2830	2850	113	114	70-134	1	20	
1,2-Dichloropropane	ug/kg	2500	2810	2830	112	113	70-130	1	20	
1,3-Dichlorobenzene	ug/kg	2500	2380	2450	95	98	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	2500	2360	2410	94	96	70-130	2	20	
Benzene	ug/kg	2500	2510	2500	100	100	70-130	0	20	
Bromodichloromethane	ug/kg	2500	2840	2940	114	118	70-130	4	20	
Bromoform	ug/kg	2500	2150	2210	86	88	48-130	3	20	
Bromomethane	ug/kg	2500	1500	1430	60	57	70-169	5	20 L0	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

LABORATORY CONTROL SAMPLE & LCSD:		1157060								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	2500	2570	2580	103	103	67-130	0	20	
Chlorobenzene	ug/kg	2500	2510	2530	101	101	70-130	1	20	
Chloroethane	ug/kg	2500	1770	1760	71	71	70-191	0	20	
Chloroform	ug/kg	2500	2490	2550	100	102	70-130	2	20	
Chloromethane	ug/kg	2500	2260	2230	91	89	52-132	2	20	
cis-1,2-Dichloroethene	ug/kg	2500	2240	2320	90	93	70-130	3	20	
cis-1,3-Dichloropropene	ug/kg	2500	2480	2550	99	102	70-130	3	20	
Dibromochloromethane	ug/kg	2500	2360	2410	95	96	65-130	2	20	
Dichlorodifluoromethane	ug/kg	2500	1540	1420	61	57	12-150	8	20	
Ethylbenzene	ug/kg	2500	2620	2660	105	107	70-130	2	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2580	2670	103	107	70-130	4	20	
m&p-Xylene	ug/kg	5000	5000	5110	100	102	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	2500	2690	2820	107	113	70-130	5	20	
Methylene Chloride	ug/kg	2500	2370	2350	95	94	70-131	1	20	
o-Xylene	ug/kg	2500	2390	2440	96	98	70-130	2	20	
Styrene	ug/kg	2500	2510	2560	100	102	70-130	2	20	
Tetrachloroethene	ug/kg	2500	2740	2770	110	111	70-130	1	20	
Toluene	ug/kg	2500	2640	2620	106	105	70-130	1	20	
trans-1,2-Dichloroethene	ug/kg	2500	2080	2200	83	88	69-130	5	20	
trans-1,3-Dichloropropene	ug/kg	2500	2470	2490	99	100	65-130	1	20	
Trichloroethene	ug/kg	2500	2630	2680	105	107	70-130	2	20	
Trichlorofluoromethane	ug/kg	2500	2020	1990	81	80	50-150	1	20	
Vinyl chloride	ug/kg	2500	2340	2280	93	91	67-134	2	20	
4-Bromofluorobenzene (S)	%				101	102	53-134			
Dibromofluoromethane (S)	%				103	103	49-157			
Toluene-d8 (S)	%				105	106	61-148			

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

QC Batch:	MSV/28444	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40114581006		

METHOD BLANK: 1157338 Matrix: Solid

Associated Lab Samples: 40114581006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/14/15 09:36	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/14/15 09:36	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/14/15 09:36	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/14/15 09:36	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/14/15 09:36	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/14/15 09:36	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/14/15 09:36	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	05/14/15 09:36	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/14/15 09:36	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/14/15 09:36	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/14/15 09:36	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/14/15 09:36	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/14/15 09:36	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/14/15 09:36	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/14/15 09:36	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/14/15 09:36	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/14/15 09:36	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/14/15 09:36	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/14/15 09:36	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/14/15 09:36	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/14/15 09:36	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/14/15 09:36	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/14/15 09:36	
Benzene	ug/kg	<9.2	20.0	05/14/15 09:36	
Bromobenzene	ug/kg	<20.6	50.0	05/14/15 09:36	
Bromochloromethane	ug/kg	<21.4	50.0	05/14/15 09:36	
Bromodichloromethane	ug/kg	<9.8	50.0	05/14/15 09:36	
Bromoform	ug/kg	<19.8	50.0	05/14/15 09:36	
Bromomethane	ug/kg	<69.9	250	05/14/15 09:36	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/14/15 09:36	
Chlorobenzene	ug/kg	<14.8	50.0	05/14/15 09:36	
Chloroethane	ug/kg	<67.0	250	05/14/15 09:36	
Chloroform	ug/kg	<46.4	250	05/14/15 09:36	
Chloromethane	ug/kg	<20.4	50.0	05/14/15 09:36	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/14/15 09:36	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/14/15 09:36	
Dibromochloromethane	ug/kg	<17.9	50.0	05/14/15 09:36	
Dibromomethane	ug/kg	<19.3	50.0	05/14/15 09:36	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/14/15 09:36	
Diisopropyl ether	ug/kg	<17.7	50.0	05/14/15 09:36	
Ethylbenzene	ug/kg	<12.4	50.0	05/14/15 09:36	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

METHOD BLANK: 1157338

Matrix: Solid

Associated Lab Samples: 40114581006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	30.6J	50.0	05/14/15 09:36	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/14/15 09:36	
m&p-Xylene	ug/kg	<34.4	100	05/14/15 09:36	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/14/15 09:36	
Methylene Chloride	ug/kg	<16.2	50.0	05/14/15 09:36	
n-Butylbenzene	ug/kg	12.4J	50.0	05/14/15 09:36	
n-Propylbenzene	ug/kg	<11.6	50.0	05/14/15 09:36	
Naphthalene	ug/kg	<40.0	250	05/14/15 09:36	
o-Xylene	ug/kg	<14.0	50.0	05/14/15 09:36	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/14/15 09:36	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/14/15 09:36	
Styrene	ug/kg	<9.0	50.0	05/14/15 09:36	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/14/15 09:36	
Tetrachloroethene	ug/kg	<12.9	50.0	05/14/15 09:36	
Toluene	ug/kg	<11.2	50.0	05/14/15 09:36	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/14/15 09:36	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/14/15 09:36	
Trichloroethene	ug/kg	<23.6	50.0	05/14/15 09:36	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/14/15 09:36	
Vinyl chloride	ug/kg	<21.1	50.0	05/14/15 09:36	
4-Bromofluorobenzene (S)	%	98	53-134	05/14/15 09:36	
Dibromofluoromethane (S)	%	101	49-157	05/14/15 09:36	
Toluene-d8 (S)	%	106	61-148	05/14/15 09:36	

LABORATORY CONTROL SAMPLE & LCSD: 1157339

1157340

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2650	2740	106	109	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2600	2380	104	95	70-130	9	20	
1,1,2-Trichloroethane	ug/kg	2500	2700	2480	108	99	70-130	9	20	
1,1-Dichloroethane	ug/kg	2500	2570	2570	103	103	70-130	0	20	
1,1-Dichloroethene	ug/kg	2500	2050	2010	82	80	70-132	2	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2670	2680	107	107	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2500	2370	100	95	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2660	2490	106	99	70-130	7	20	
1,2-Dichlorobenzene	ug/kg	2500	2430	2370	97	95	70-130	2	20	
1,2-Dichloroethane	ug/kg	2500	2880	2780	115	111	70-134	4	20	
1,2-Dichloropropane	ug/kg	2500	2820	2810	113	112	70-130	0	20	
1,3-Dichlorobenzene	ug/kg	2500	2450	2400	98	96	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2400	2380	96	95	70-130	1	20	
Benzene	ug/kg	2500	2460	2450	98	98	70-130	0	20	
Bromodichloromethane	ug/kg	2500	2840	2810	114	113	70-130	1	20	
Bromoform	ug/kg	2500	2210	2060	88	82	48-130	7	20	
Bromomethane	ug/kg	2500	1340	1370	53	55	70-169	3	20 L0	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Parameter	Units	1157340								
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	2500	2470	2510	99	100	67-130	2	20	
Chlorobenzene	ug/kg	2500	2540	2530	102	101	70-130	1	20	
Chloroethane	ug/kg	2500	1690	1670	67	67	70-191	1	20 L0	
Chloroform	ug/kg	2500	2470	2450	99	98	70-130	1	20	
Chloromethane	ug/kg	2500	1910	1910	76	76	52-132	0	20	
cis-1,2-Dichloroethene	ug/kg	2500	2280	2280	91	91	70-130	0	20	
cis-1,3-Dichloropropene	ug/kg	2500	2490	2500	100	100	70-130	1	20	
Dibromochloromethane	ug/kg	2500	2460	2330	98	93	65-130	5	20	
Dichlorodifluoromethane	ug/kg	2500	1130	1110	45	44	12-150	2	20	
Ethylbenzene	ug/kg	2500	2650	2560	106	102	70-130	4	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2700	2630	108	105	70-130	3	20	
m&p-Xylene	ug/kg	5000	5220	5020	104	100	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	2500	2730	2560	109	102	70-130	6	20	
Methylene Chloride	ug/kg	2500	2260	2290	90	92	70-131	1	20	
o-Xylene	ug/kg	2500	2500	2420	100	97	70-130	4	20	
Styrene	ug/kg	2500	2640	2470	106	99	70-130	7	20	
Tetrachloroethene	ug/kg	2500	2760	2690	110	107	70-130	3	20	
Toluene	ug/kg	2500	2630	2590	105	104	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2100	2110	84	85	69-130	0	20	
trans-1,3-Dichloropropene	ug/kg	2500	2540	2420	102	97	65-130	5	20	
Trichloroethene	ug/kg	2500	2600	2650	104	106	70-130	2	20	
Trichlorofluoromethane	ug/kg	2500	1820	1980	73	79	50-150	8	20	
Vinyl chloride	ug/kg	2500	2100	2070	84	83	67-134	1	20	
4-Bromofluorobenzene (S)	%				109	102	53-134			
Dibromofluoromethane (S)	%				101	100	49-157			
Toluene-d8 (S)	%				106	105	61-148			

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

QC Batch:	MSV/28421	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40114581001, 40114581002		

METHOD BLANK: 1156745 Matrix: Water

Associated Lab Samples: 40114581001, 40114581002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/13/15 06:45	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/13/15 06:45	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/13/15 06:45	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/13/15 06:45	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/13/15 06:45	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/13/15 06:45	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/13/15 06:45	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/13/15 06:45	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/13/15 06:45	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/13/15 06:45	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/13/15 06:45	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/13/15 06:45	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/13/15 06:45	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/13/15 06:45	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/13/15 06:45	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/13/15 06:45	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/13/15 06:45	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/13/15 06:45	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/13/15 06:45	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/13/15 06:45	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/13/15 06:45	
2-Chlorotoluene	ug/L	<0.50	1.0	05/13/15 06:45	
4-Chlorotoluene	ug/L	<0.21	1.0	05/13/15 06:45	
Benzene	ug/L	<0.50	1.0	05/13/15 06:45	
Bromobenzene	ug/L	<0.23	1.0	05/13/15 06:45	
Bromochloromethane	ug/L	<0.34	1.0	05/13/15 06:45	
Bromodichloromethane	ug/L	<0.50	1.0	05/13/15 06:45	
Bromoform	ug/L	<0.50	1.0	05/13/15 06:45	
Bromomethane	ug/L	<2.4	5.0	05/13/15 06:45	
Carbon tetrachloride	ug/L	<0.50	1.0	05/13/15 06:45	
Chlorobenzene	ug/L	<0.50	1.0	05/13/15 06:45	
Chloroethane	ug/L	<0.37	1.0	05/13/15 06:45	
Chloroform	ug/L	<2.5	5.0	05/13/15 06:45	
Chloromethane	ug/L	<0.50	1.0	05/13/15 06:45	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/13/15 06:45	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/13/15 06:45	
Dibromochloromethane	ug/L	<0.50	1.0	05/13/15 06:45	
Dibromomethane	ug/L	<0.43	1.0	05/13/15 06:45	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/13/15 06:45	
Diisopropyl ether	ug/L	<0.50	1.0	05/13/15 06:45	
Ethylbenzene	ug/L	<0.50	1.0	05/13/15 06:45	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

METHOD BLANK: 1156745

Matrix: Water

Associated Lab Samples: 40114581001, 40114581002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/13/15 06:45	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/13/15 06:45	
m&p-Xylene	ug/L	<1.0	2.0	05/13/15 06:45	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/13/15 06:45	
Methylene Chloride	ug/L	<0.23	1.0	05/13/15 06:45	
n-Butylbenzene	ug/L	<0.50	1.0	05/13/15 06:45	
n-Propylbenzene	ug/L	<0.50	1.0	05/13/15 06:45	
Naphthalene	ug/L	<2.5	5.0	05/13/15 06:45	
o-Xylene	ug/L	<0.50	1.0	05/13/15 06:45	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/13/15 06:45	
sec-Butylbenzene	ug/L	<2.2	5.0	05/13/15 06:45	
Styrene	ug/L	<0.50	1.0	05/13/15 06:45	
tert-Butylbenzene	ug/L	<0.18	1.0	05/13/15 06:45	
Tetrachloroethene	ug/L	<0.50	1.0	05/13/15 06:45	
Toluene	ug/L	<0.50	1.0	05/13/15 06:45	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/13/15 06:45	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/13/15 06:45	
Trichloroethene	ug/L	<0.33	1.0	05/13/15 06:45	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/13/15 06:45	
Vinyl chloride	ug/L	<0.18	1.0	05/13/15 06:45	
4-Bromofluorobenzene (S)	%	94	70-130	05/13/15 06:45	
Dibromofluoromethane (S)	%	98	70-130	05/13/15 06:45	
Toluene-d8 (S)	%	97	70-130	05/13/15 06:45	

LABORATORY CONTROL SAMPLE & LCSD: 1156746

1156747

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.6	56.5	113	113	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	50.4	97	101	70-130	3	20	
1,1,2-Trichloroethane	ug/L	50	57.7	58.3	115	117	70-130	1	20	
1,1-Dichloroethane	ug/L	50	53.0	52.8	106	106	70-130	0	20	
1,1-Dichloroethene	ug/L	50	52.5	52.9	105	106	70-130	1	20	
1,2,4-Trichlorobenzene	ug/L	50	50.7	51.3	101	103	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	50	46.8	46.7	94	93	50-150	0	20	
1,2-Dibromoethane (EDB)	ug/L	50	55.5	56.1	111	112	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	51.0	50.2	102	100	70-130	2	20	
1,2-Dichloroethane	ug/L	50	55.1	54.6	110	109	70-131	1	20	
1,2-Dichloropropane	ug/L	50	54.4	53.7	109	107	70-130	1	20	
1,3-Dichlorobenzene	ug/L	50	49.5	48.7	99	97	70-130	2	20	
1,4-Dichlorobenzene	ug/L	50	51.4	50.2	103	100	70-130	2	20	
Benzene	ug/L	50	52.0	51.5	104	103	70-130	1	20	
Bromodichloromethane	ug/L	50	59.3	58.7	119	117	70-130	1	20	
Bromoform	ug/L	50	52.4	52.3	105	105	68-130	0	20	
Bromomethane	ug/L	50	53.3	57.5	107	115	38-137	7	20	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

LABORATORY CONTROL SAMPLE & LCSD:		1156747									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/L	50	58.2	57.9	116	116	70-130	0	20		
Chlorobenzene	ug/L	50	57.2	56.0	114	112	70-130	2	20		
Chloroethane	ug/L	50	48.7	48.8	97	98	70-136	0	20		
Chloroform	ug/L	50	54.2	53.6	108	107	70-130	1	20		
Chloromethane	ug/L	50	50.2	49.3	100	99	48-144	2	20		
cis-1,2-Dichloroethene	ug/L	50	49.4	48.9	99	98	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	50	49.3	48.5	99	97	70-130	2	20		
Dibromochloromethane	ug/L	50	53.2	52.9	106	106	70-130	1	20		
Dichlorodifluoromethane	ug/L	50	51.3	49.4	103	99	33-157	4	20		
Ethylbenzene	ug/L	50	59.3	57.7	119	115	70-132	3	20		
Isopropylbenzene (Cumene)	ug/L	50	63.3	61.2	127	122	70-130	3	20		
m&p-Xylene	ug/L	100	123	120	123	120	70-131	3	20		
Methyl-tert-butyl ether	ug/L	50	48.3	49.7	97	99	48-141	3	20		
Methylene Chloride	ug/L	50	51.7	50.7	103	101	70-130	2	20		
o-Xylene	ug/L	50	60.4	58.2	121	116	70-131	4	20		
Styrene	ug/L	50	56.5	54.7	113	109	70-130	3	20		
Tetrachloroethene	ug/L	50	59.2	58.3	118	117	70-130	2	20		
Toluene	ug/L	50	58.1	57.3	116	115	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	50	53.7	53.3	107	107	70-130	1	20		
trans-1,3-Dichloropropene	ug/L	50	49.3	49.5	99	99	70-130	0	20		
Trichloroethene	ug/L	50	56.6	55.3	113	111	70-130	2	20		
Trichlorofluoromethane	ug/L	50	56.2	55.2	112	110	50-150	2	20		
Vinyl chloride	ug/L	50	53.6	52.8	107	106	65-142	2	20		
4-Bromofluorobenzene (S)	%				106	107	70-130				
Dibromofluoromethane (S)	%				97	99	70-130				
Toluene-d8 (S)	%				100	101	70-130				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1156780 1156781										
Parameter	Units	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
1,1,1-Trichloroethane	ug/L	192	50	50	244	251	105	117	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	49.7	51.6	99	103	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	58.0	58.9	116	118	70-130	2	20	
1,1-Dichloroethane	ug/L	35.6	50	50	85.8	88.4	100	106	70-134	3	20	
1,1-Dichloroethene	ug/L	5.6	50	50	56.4	57.4	102	104	70-139	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	50.8	51.1	102	102	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	47.7	49.3	95	99	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	55.2	57.0	110	114	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.7	50.2	99	100	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	53.7	55.1	107	110	70-132	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	52.1	53.2	104	106	70-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.2	49.1	96	98	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.7	49.9	99	100	70-130	1	20	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1156780 1156781									
		40114569003		MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec	% Rec	Max RPD	Max RPD
		Result	Conc.	Conc.	Result	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Max Qual
Benzene	ug/L	<0.50	50	50	50.9	52.2	102	104	70-130	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	57.8	59.1	116	118	70-132	2	20		
Bromoform	ug/L	<0.50	50	50	52.0	53.5	104	107	68-130	3	20		
Bromomethane	ug/L	<2.4	50	50	57.7	59.6	115	119	38-141	3	20		
Carbon tetrachloride	ug/L	<0.50	50	50	57.0	58.5	114	117	70-130	3	20		
Chlorobenzene	ug/L	<0.50	50	50	55.5	56.1	111	112	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	47.2	48.4	94	97	66-152	3	20		
Chloroform	ug/L	<2.5	50	50	52.7	53.8	105	108	70-130	2	20		
Chloromethane	ug/L	<0.50	50	50	47.6	49.2	95	98	44-151	3	20		
cis-1,2-Dichloroethene	ug/L	16.8	50	50	63.5	65.2	94	97	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.6	49.7	97	99	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	52.3	53.9	105	108	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	45.7	46.1	91	92	29-160	1	20		
Ethylbenzene	ug/L	<0.50	50	50	56.9	58.2	114	116	70-132	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	61.0	61.2	122	122	70-130	0	20		
m&p-Xylene	ug/L	<1.0	100	100	119	120	119	120	70-131	1	20		
Methyl-tert-butyl ether	ug/L	0.74J	50	50	50.0	51.7	99	102	48-143	3	20		
Methylene Chloride	ug/L	<0.23	50	50	49.9	51.0	99	102	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	57.7	59.1	115	118	70-131	2	20		
Styrene	ug/L	<0.50	50	50	54.7	55.3	109	111	70-130	1	20		
Tetrachloroethene	ug/L	0.53J	50	50	57.8	58.7	114	116	70-130	2	20		
Toluene	ug/L	<0.50	50	50	56.3	57.4	113	115	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	0.57J	50	50	52.5	54.0	104	107	70-132	3	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	49.5	50.4	99	101	70-130	2	20		
Trichloroethene	ug/L	89.5	50	50	146	148	112	117	70-130	2	20		
Trichlorofluoromethane	ug/L	1.8	50	50	55.0	56.0	106	108	50-153	2	20		
Vinyl chloride	ug/L	<0.18	50	50	51.5	53.2	103	106	60-155	3	20		
4-Bromofluorobenzene (S)	%						107	106	70-130				
Dibromofluoromethane (S)	%							97	98	70-130			
Toluene-d8 (S)	%							101	101	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

QC Batch:	MSV/28461	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40114757001		

METHOD BLANK: 1158493 Matrix: Water

Associated Lab Samples: 40114757001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/15/15 06:53	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/15/15 06:53	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/15/15 06:53	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/15/15 06:53	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/15/15 06:53	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/15/15 06:53	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/15/15 06:53	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/15/15 06:53	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/15/15 06:53	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/15/15 06:53	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/15/15 06:53	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/15/15 06:53	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/15/15 06:53	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/15/15 06:53	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/15/15 06:53	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/15/15 06:53	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/15/15 06:53	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/15/15 06:53	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/15/15 06:53	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/15/15 06:53	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/15/15 06:53	
2-Chlorotoluene	ug/L	<0.50	1.0	05/15/15 06:53	
4-Chlorotoluene	ug/L	<0.21	1.0	05/15/15 06:53	
Benzene	ug/L	<0.50	1.0	05/15/15 06:53	
Bromobenzene	ug/L	<0.23	1.0	05/15/15 06:53	
Bromochloromethane	ug/L	<0.34	1.0	05/15/15 06:53	
Bromodichloromethane	ug/L	<0.50	1.0	05/15/15 06:53	
Bromoform	ug/L	<0.50	1.0	05/15/15 06:53	
Bromomethane	ug/L	<2.4	5.0	05/15/15 06:53	
Carbon tetrachloride	ug/L	<0.50	1.0	05/15/15 06:53	
Chlorobenzene	ug/L	<0.50	1.0	05/15/15 06:53	
Chloroethane	ug/L	<0.37	1.0	05/15/15 06:53	
Chloroform	ug/L	<2.5	5.0	05/15/15 06:53	
Chloromethane	ug/L	<0.50	1.0	05/15/15 06:53	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/15/15 06:53	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/15/15 06:53	
Dibromochloromethane	ug/L	<0.50	1.0	05/15/15 06:53	
Dibromomethane	ug/L	<0.43	1.0	05/15/15 06:53	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/15/15 06:53	
Diisopropyl ether	ug/L	<0.50	1.0	05/15/15 06:53	
Ethylbenzene	ug/L	<0.50	1.0	05/15/15 06:53	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

METHOD BLANK: 1158493

Matrix: Water

Associated Lab Samples: 40114757001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/15/15 06:53	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/15/15 06:53	
m&p-Xylene	ug/L	<1.0	2.0	05/15/15 06:53	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/15/15 06:53	
Methylene Chloride	ug/L	<0.23	1.0	05/15/15 06:53	
n-Butylbenzene	ug/L	<0.50	1.0	05/15/15 06:53	
n-Propylbenzene	ug/L	<0.50	1.0	05/15/15 06:53	
Naphthalene	ug/L	<2.5	5.0	05/15/15 06:53	
o-Xylene	ug/L	<0.50	1.0	05/15/15 06:53	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/15/15 06:53	
sec-Butylbenzene	ug/L	<2.2	5.0	05/15/15 06:53	
Styrene	ug/L	<0.50	1.0	05/15/15 06:53	
tert-Butylbenzene	ug/L	<0.18	1.0	05/15/15 06:53	
Tetrachloroethene	ug/L	<0.50	1.0	05/15/15 06:53	
Toluene	ug/L	<0.50	1.0	05/15/15 06:53	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/15/15 06:53	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/15/15 06:53	
Trichloroethene	ug/L	<0.33	1.0	05/15/15 06:53	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/15/15 06:53	
Vinyl chloride	ug/L	<0.18	1.0	05/15/15 06:53	
4-Bromofluorobenzene (S)	%	93	70-130	05/15/15 06:53	
Dibromofluoromethane (S)	%	101	70-130	05/15/15 06:53	
Toluene-d8 (S)	%	96	70-130	05/15/15 06:53	

LABORATORY CONTROL SAMPLE & LCSD: 1158494

1158495

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.5	57.5	115	115	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	50.0	96	100	70-130	4	20	
1,1,2-Trichloroethane	ug/L	50	56.8	57.5	114	115	70-130	1	20	
1,1-Dichloroethane	ug/L	50	54.1	54.2	108	108	70-130	0	20	
1,1-Dichloroethene	ug/L	50	54.0	53.5	108	107	70-130	1	20	
1,2,4-Trichlorobenzene	ug/L	50	52.2	50.9	104	102	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	50	46.0	47.3	92	95	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/L	50	55.5	56.2	111	112	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	50.2	50.4	100	101	70-130	0	20	
1,2-Dichloroethane	ug/L	50	55.5	55.6	111	111	70-131	0	20	
1,2-Dichloropropane	ug/L	50	53.9	53.3	108	107	70-130	1	20	
1,3-Dichlorobenzene	ug/L	50	48.7	48.6	97	97	70-130	0	20	
1,4-Dichlorobenzene	ug/L	50	49.6	50.4	99	101	70-130	2	20	
Benzene	ug/L	50	52.4	52.3	105	105	70-130	0	20	
Bromodichloromethane	ug/L	50	58.0	58.3	116	117	70-130	0	20	
Bromoform	ug/L	50	50.9	51.5	102	103	68-130	1	20	
Bromomethane	ug/L	50	52.1	58.0	104	116	38-137	11	20	

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

LABORATORY CONTROL SAMPLE & LCSD:		1158495									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/L	50	57.8	57.5	116	115	70-130	1	20		
Chlorobenzene	ug/L	50	56.0	56.1	112	112	70-130	0	20		
Chloroethane	ug/L	50	50.5	50.9	101	102	70-136	1	20		
Chloroform	ug/L	50	55.2	54.6	110	109	70-130	1	20		
Chloromethane	ug/L	50	55.9	57.0	112	114	48-144	2	20		
cis-1,2-Dichloroethene	ug/L	50	49.6	49.6	99	99	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	50	48.3	49.3	97	99	70-130	2	20		
Dibromochloromethane	ug/L	50	52.0	52.2	104	104	70-130	0	20		
Dichlorodifluoromethane	ug/L	50	61.6	60.0	123	120	33-157	3	20		
Ethylbenzene	ug/L	50	57.8	57.9	116	116	70-132	0	20		
Isopropylbenzene (Cumene)	ug/L	50	61.5	61.8	123	124	70-130	1	20		
m&p-Xylene	ug/L	100	120	121	120	121	70-131	1	20		
Methyl-tert-butyl ether	ug/L	50	51.2	51.1	102	102	48-141	0	20		
Methylene Chloride	ug/L	50	51.7	52.4	103	105	70-130	1	20		
o-Xylene	ug/L	50	58.2	59.0	116	118	70-131	1	20		
Styrene	ug/L	50	55.0	55.2	110	110	70-130	0	20		
Tetrachloroethene	ug/L	50	57.4	57.4	115	115	70-130	0	20		
Toluene	ug/L	50	57.1	56.6	114	113	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	50	54.9	54.4	110	109	70-130	1	20		
trans-1,3-Dichloropropene	ug/L	50	49.3	49.4	99	99	70-130	0	20		
Trichloroethene	ug/L	50	55.0	55.5	110	111	70-130	1	20		
Trichlorofluoromethane	ug/L	50	57.6	56.9	115	114	50-150	1	20		
Vinyl chloride	ug/L	50	58.1	59.1	116	118	65-142	2	20		
4-Bromofluorobenzene (S)	%				106	107	70-130				
Dibromofluoromethane (S)	%				99	99	70-130				
Toluene-d8 (S)	%				100	100	70-130				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1158542 1158543									
Parameter	Units	40114757001		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD RPD Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	54.7	55.9	109	112	70-130	2	20
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	46.9	48.6	94	97	70-130	4	20
1,1,2-Trichloroethane	ug/L	<0.20	50	50	54.8	56.1	110	112	70-130	2	20
1,1-Dichloroethane	ug/L	<0.24	50	50	51.6	53.1	103	106	70-134	3	20
1,1-Dichloroethene	ug/L	<0.41	50	50	51.7	52.8	103	106	70-139	2	20
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	50.0	51.7	100	103	70-130	3	20
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	45.9	47.5	92	95	50-150	3	20
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	53.0	54.7	106	109	70-130	3	20
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.7	49.5	95	99	70-130	4	20
1,2-Dichloroethane	ug/L	<0.17	50	50	53.0	54.1	106	108	70-132	2	20
1,2-Dichloropropane	ug/L	<0.23	50	50	52.1	53.4	104	107	70-130	2	20
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.3	49.5	97	99	70-130	2	20
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.7	48.8	95	97	70-130	2	20

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1158542		1158543									
				MS		MSD				MSD			
		40114757001	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD
Benzene	ug/L	<0.50	50	50	50.0	51.7	100	103	70-130	3	20		
Bromodichloromethane	ug/L	<0.50	50	50	55.8	56.5	112	113	70-132	1	20		
Bromoform	ug/L	<0.50	50	50	48.4	49.5	97	99	68-130	2	20		
Bromomethane	ug/L	<2.4	50	50	58.4	60.6	116	121	38-141	4	20		
Carbon tetrachloride	ug/L	<0.50	50	50	55.3	57.1	111	114	70-130	3	20		
Chlorobenzene	ug/L	<0.50	50	50	53.7	54.4	107	109	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	48.0	50.0	96	100	66-152	4	20		
Chloroform	ug/L	<2.5	50	50	52.5	53.9	105	108	70-130	2	20		
Chloromethane	ug/L	<0.50	50	50	53.5	56.4	106	112	44-151	5	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.8	48.9	96	98	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.2	48.4	94	97	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	49.3	50.8	99	102	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	55.5	57.5	111	115	29-160	4	20		
Ethylbenzene	ug/L	<0.50	50	50	55.3	56.0	111	112	70-132	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	59.5	59.8	119	120	70-130	1	20		
m&p-Xylene	ug/L	<1.0	100	100	115	117	115	117	70-131	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	48.3	50.4	97	101	48-143	4	20		
Methylene Chloride	ug/L	<0.23	50	50	50.0	51.2	100	102	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	55.9	57.4	112	115	70-131	3	20		
Styrene	ug/L	<0.50	50	50	52.4	53.9	105	108	70-130	3	20		
Tetrachloroethene	ug/L	<0.50	50	50	55.3	56.6	111	113	70-130	2	20		
Toluene	ug/L	<0.50	50	50	54.8	55.7	110	111	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.4	53.7	105	107	70-132	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	47.7	48.8	95	98	70-130	2	20		
Trichloroethene	ug/L	<0.33	50	50	53.7	54.3	107	109	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	54.5	55.3	109	111	50-153	1	20		
Vinyl chloride	ug/L	<0.18	50	50	55.7	57.2	111	114	60-155	3	20		
4-Bromofluorobenzene (S)	%							108	107	70-130			
Dibromofluoromethane (S)	%								98	98	70-130		
Toluene-d8 (S)	%								100	99	70-130		

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QUALITY CONTROL DATA

Project: 1506470 BROADWAY MILL PARKING

Pace Project No.: 40114581

QC Batch: PMST/11195 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40114581003, 40114581004, 40114581005, 40114581006

SAMPLE DUPLICATE: 1159755

Parameter	Units	40114601006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.4	10.3	1	10	

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QUALIFIERS

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSV/28438

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/28445

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

W Non-detect results are reported on a wet weight basis.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1506470 BROADWAY MILL PARKING
Pace Project No.: 40114581

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40114581003	TW-6, 10-12'	EPA 3050	MPRP/11884	EPA 6010	ICP/10568
40114581004	TW-8, 0.5-1.5'	EPA 3050	MPRP/11884	EPA 6010	ICP/10568
40114581005	GP-14 0.8-1.5'	EPA 3050	MPRP/11884	EPA 6010	ICP/10568
40114581006	GP-14 3-4'	EPA 3050	MPRP/11884	EPA 6010	ICP/10568
40114581003	TW-6, 10-12'	EPA 5035/5030B	MSV/28434	EPA 8260	MSV/28438
40114581004	TW-8, 0.5-1.5'	EPA 5035/5030B	MSV/28434	EPA 8260	MSV/28438
40114581005	GP-14 0.8-1.5'	EPA 5035/5030B	MSV/28434	EPA 8260	MSV/28438
40114581006	GP-14 3-4'	EPA 5035/5030B	MSV/28444	EPA 8260	MSV/28445
40114581001	TW-7	EPA 8260	MSV/28421		
40114581002	TW-6	EPA 8260	MSV/28421		
40114757001	TW-8	EPA 8260	MSV/28461		
40114581003	TW-6, 10-12'	ASTM D2974-87	PMST/11195		
40114581004	TW-8, 0.5-1.5'	ASTM D2974-87	PMST/11195		
40114581005	GP-14 0.8-1.5'	ASTM D2974-87	PMST/11195		
40114581006	GP-14 3-4'	ASTM D2974-87	PMST/11195		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Client Name: GEI Consultants

Project #:

WO# : 40114581

Courier: FedEx UPS Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes noCustody Seal on Samples Present: yes no Seals intact: yes noPacking Material: Bubble Wrap Bubble Bags None Other _____Thermometer Used: N/A Type of Ice: Wet Blue Dry NoneCooler Temperature: Uncorr: Ro /Corr: _____ Biological Tissue is Frozen: yes noTemp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.



40114581

Samples on ice, cooling process has begun

Person examining contents:

Date: 5-12-15Initials: KEW

			Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date/Time: _____	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>S + W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH +ZnAct	
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≥2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
exceptions: VOA Coliform, TOC, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed	Lab Std #ID of preservative
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>002 3 vials KW 5-12-15</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:

If checked, see attached form for additional comments Person Contacted: Roger Miller Date/Time: 5/12/15

Comments/ Resolution:

Vials w/ headspace contain significant sedimentKW 5-12-15Request for 5-day TAT and revised Project #1506470. 5-12-15 callProject Manager Review: CJLDate: 5/12/15

(Please Print Clearly)

Company Name: *CEI Consultants*
Branch/Location: *GB WI*

Project Contact: *Rocco Miller*
Phone:

Project Number: *1506470*
Project Name: *GP Broadway Mill lot*

Sampled By (Print): *Paul Garvey*
Sampled By (Sign): *P. Garvey*

A=None		B=HCl	C=H ₂ SO ₄	D=HNO ₃	E=D Water	F=Methanol	G=NaOH
H=Sodium Bisulfite Solution		I=Sodium Thiosulfate	J=Other				

FILTERED? (YES/NO)	PICK LATER
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MAIL TO COMPANY:	MAIL TO ADDRESS:
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INVOICE TO ADDRESS:	INVOICE TO COMPANY:
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SA/MC

CHAIN OF CUSTODY
40114757

www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

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40114757

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Data Package Options (billable)		MSI/MSD		Matrix Codes	
<input type="checkbox"/> EPA Level III		<input type="checkbox"/> On your sample		A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge	
<input type="checkbox"/> EPA Level IV		<input type="checkbox"/> NOT needed on your sample		W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe	
PACE LAB #	CLIENT FIELD ID		COLLECTION DATE	TIME	MATRIX
<i>001</i>	<i>TW-8</i>		<i>5-14-15</i>	<i>0945</i>	<i>GW</i>
Analyses Requested <i>VOC</i>					
CLIENT COMMENTS <i>* pls put on same report as 5/12 sample</i> <i>PING -5-14-15</i>					
LAB COMMENTS <i>(Lab Use Only)</i> <i>3-40mlvB</i>					
PAGE Project No. <i>40114757</i>					
Received By: <i>Rocco Miller</i> Date/Time: <i>5-14-15 0958</i>					
Relinquished By: <i>Rocco Miller</i> Date/Time: <i>5-14-15 0958</i>					
Transmit Prelim Rush Results by (complete what you want): Email #1: Email #2: Telephone: Fax:					
Relinquished By: Date/Time: Received By: Date/Time: Received By: Date/Time: Received By: Date/Time:					
Samples on HOLD are subject to special pricing and release of liability					

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: GEI

Project #

WO# : 40114757

Courier: FedEx UPS Client Pace Other:

Tracking #:



40114757

Custody Seal on Cooler/Box Present: yes no Seals intact: yes noCustody Seal on Samples Present: yes no Seals intact: yes noPacking Material: Bubble Wrap Bubble Bags None OtherThermometer Used N/AType of Ice: Wet Blue Dry None Samples on ice, cooling process has begunCooler Temperature Uncorr: ROT /Corr:Biological Tissue is Frozen: yesTemp Blank Present: yes no no

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments:

Person examining contents:

Date: 5-14-15Initials: SCUR

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5. Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <i>Collect time on samples 0915</i> <i>5-14-15</i>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≤2; NaOH+ZnAct ≥9, NaOH ≥12) exceptions: <input checked="" type="checkbox"/> coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments Person Contacted: Paul Guiney Date/Time: 5-14-15

Comments/ Resolution:

Correct sample time is 915. 5-14-15 COTRProject Manager Review: CWFDate: 5-14-15