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planning, permitting, design, construction, operation, maintenance Weston&Sampson®

478 – 480 Union Street, New Bedford
Weston & Sampson Project No. 2100451

September 26, 2013

City of New Bedford
Ms. Michele Paul, LSP, Director
Department of Environmental Stewardship
133 Williams Street
New Bedford, Massachusetts 02740

Re: Additional Phase II Environmental Site Assessment
478 - 480 Union Street
New Bedford, Massachusetts

Dear Ms. Paul:

Weston & Sampson is pleased to submit this letter report summarizing the results of an Additional Phase II Environmental Site Assessment (ESA) performed at 478 - 480 Union Street, New Bedford, Massachusetts (the "Site"). See Figures 1 and 2 for a depiction of the Site. This additional assessment was funded by the United States Environmental Protection Agency (EPA) through a Brownfields Assessment Grant issued to the City of New Bedford. As you are aware, the Site is the location of a historic automobile service garage which utilized numerous historic petroleum underground storage tanks (USTs). This additional assessment was designed to supplement previous investigations at the Site and to perform in-situ soil disposal characterization within planned excavation areas at the Site. The Scope of Services for this additional Phase II ESA was documented in our Additional Phase II ESA Scope of Work, dated July 31, 2013, and our Site Specific Addendum Generic Quality Assurance Project Plan, approved by the EPA on September 5, 2013.

ADDITIONAL PHASE II ESA

Weston & Sampson performed the Additional Phase II ESA field activities on September 11 and 13, 2013. The following is a summary of the results of the assessment:

Soil Boring Installation

On September 11 and 13, 2013, Weston & Sampson documented the advancement of 9 soil borings (D-1 through D-9) at the Site. The borings were advanced by New England Geotech, Inc. utilizing Geoprobe drilling techniques within planned excavation areas with the purpose of characterizing soils for disposal purposes. See Figure 2 for boring locations. Specifically, the borings were advanced as follows:

- Area 1 - Former Gasoline USTs - Northwestern Portion of Site: Three (3) soil borings (D-1, D-2 and D-3) were advanced within the planned excavation area for Area 1.

- Area 2 - Former Gasoline USTs - Northern Portion of Site: Three (3) soil borings (D-4, D-5 and D-6) were advanced within the planned excavation area for Area 2.

- Area 3 - Former Fuel Oil USTs - Western Portion of Site: Three (3) soil borings (D-7, D-8 and D-9) were advanced within the planed excavation are for Area 3.

The borings for Areas 1 and 2 were advanced to a depth of 13 feet below grade surface (bgs), the maximum depth of the planned excavation in these areas. The borings in Area 3 were advanced to a depth of 15 feet bgs, the maximum depth of the planned excavation for this area. Boring logs are provided as Attachment A.

Soil samples were collected at continuous intervals during the advancement of the borings. Each soil sample was field screened with a photoionization detector (PID) for total volatile organic compounds (TVOCs). Field screening was performed to confirm the planned excavation depths. Soil excavation is planned to remove soil exhibiting TVOC concentrations greater than 20 parts per million by volume (ppmv) within each area.

In general, soils encountered consisted of fine to medium sand with some gravel in each of the borings. Fill material was identified in borings D-4 and D-6 between 0-5' bgs. The fill generally consisted of fine to medium sand with pieces of concrete, cinder brick and/or coal.

Soil Sample Field Screening Results

Complete PID field screening results are included in the attached borings logs. In general, PID field screening of soil samples collected from the borings identified the following:

- In Area 1 field PID field screening identified TVOCs concentrations greater than 20 ppmv in samples collected between 12.5-13 feet bgs. Concentrations ranged from 815 to 1,650 ppmv.

- In Area 2 PID field screening identified TVOCs concentrations greater than 20 ppmv in samples collected between 5-13 feet bgs. Concentrations ranged from 1,450 to 2,026 ppmv.

- In Area 3 PID field screening identified TVOCs concentrations greater than 20 ppmv in samples collected between 5-15 feet bgs. Concentrations ranged from 27 to 595 ppmv.

See Table 1a, b and c for current and historic samples with TVOC concentrations above 20 ppmv in each area. As shown in the tables, PID field screening identified >20 ppmv TVOCs in samples collected from 6 -13 feet bgs in Area 1, 5 -13 feet bgs in Area 2 and 5 -15 feet bgs in Area 3.

Soil Sample Analytical Results

Soil samples were collected continuously within each soil boring and were then composited from the depth of the planned excavation in each area (Area 1: 6 to 13 feet bgs; Area 2: 5 to 13 feet; and Area 3: 5 to 15 feet)[1]. One (1) composite sample from each Area was selected for laboratory analysis. Each soil sample was submitted to Con-test Analytical Laboratory in East Longmeadow, Massachusetts for laboratory analysis including: Total Petroleum Hydrocarbons (TPH), Semi-volatile Organic Compounds (SVOCs), 5 Total Metals (arsenic, cadmium, chromium, lead and mercury), ignitability, pH, reactivity, and specific conductance. In addition, 1

1 The depth of the planned excavation area for Area 2 and 3 were adjusted to 5-13 and 5-15 feet bgs respectively based on the field screening results obtained during this assessment.

grab sample was submitted for Volatile Organic Compounds (VOCs) analysis from each Area. The sample with the highest TVOC concentration from each Area was selected as the grab sample pursuant to the approved QAPP.

A summary table of the in-situ disposal characterization analytical results is attached as Table 2. Laboratory analytical reports are attached as Attachment B. As shown in Table 2, analysis of the soil samples identified the following:

- Analysis of composite samples collected from Areas 1, 2 and 3 identified concentrations of TPH, SVOCs, metals and/or specific conductance within Massachusetts Department of Environmental Protection (DEP) Policy # COMM-97-001 Reuse Levels for Massachusetts Lined or Unlined landfills. However, analysis of grab VOC samples collected from each area identified total VOCs concentrations above the Reuse Levels.

- Analysis of the composite and grab VOC samples from each area identified concentrations of targeted analytes within the Acceptance Criteria for soil recycling at Aggregate Industries in Stoughton Massachusetts.

- Additionally, laboratory analysis confirmed that soil from each Area is compliant with Resource Conservation and Recovery Act (RCRA) hazardous waste limits for ignitability, corrosivity, and reactivity, and therefore is not considered to be hazardous waste. Furthermore, Toxicity Characteristic Leaching Procedure (TCLP) was not necessary for metals or organic compounds, as the total concentrations in soils were not above the theoretical levels at which the TCLP criteria may be exceeded.

CONCLUSIONS / RECOMMENDATIONS

Based on the results of our assessment, Weston & Sampson offers the following conclusions and recommendations:

1) With the exception of the grab VOC samples collected from each Area, soil disposal characterization identified concentrations of targeted analytes within Reuse Criteria for Massachusetts Lined / Unlined landfills such as the Crapo Landfill in New Bedford.

2) Although grab VOC sample analysis identified concentrations of VOCs above Reuse Criteria for Massachusetts Lined / Unlined landfills, the grab VOC data is considered worst case and may not be considered a true representation of the soil that will be excavated. Use of additional historic VOC data collected from each area may be an option and may provide more representative data for disposal characterization. This should be evaluated as part of the remedial planning process. It is possible that additional soil disposal characterization may be required to obtain more representative VOCs data of the planned soil excavate.

3) Analysis of the disposal characterization samples from each area identified concentrations within the Acceptance Criteria for soil recycling at Aggregate Industries in Stoughton Massachusetts. As such, off-Site soil recycling (either at Aggregate Industries or other recycling facilities such as ESMI in New Hampshire) should be considered as an option in future remedial planning. Actual locations and cost should be evaluated as part of the cleanup planning process. Additional soil disposal

characterization may be required to collect additional samples of the planned excavate to meet recycling facility testing requirements.

If you have any questions regarding this letter report, please do not hesitate to contact the undersigned at (978) 532-1900.

Very truly yours,
WESTON & SAMPSON

Sean F. Healey
Project Manager

George Naslas, P.G., LSP
Associate

Attachments: Figures, Tables, Attachment A and B

FIGURES

FIGURE 1
NEW BEDFORD, MASSACHUSETTS
478-480 UNION STREET

LOCUS MAP

0 2,000 4,000 Feet

Weston&Sampson

O:\New Bedford\Reports\Union Street Site\Figure 1 - Locus Map.mxd 9/10/2010 12:01:45 PM commonuse

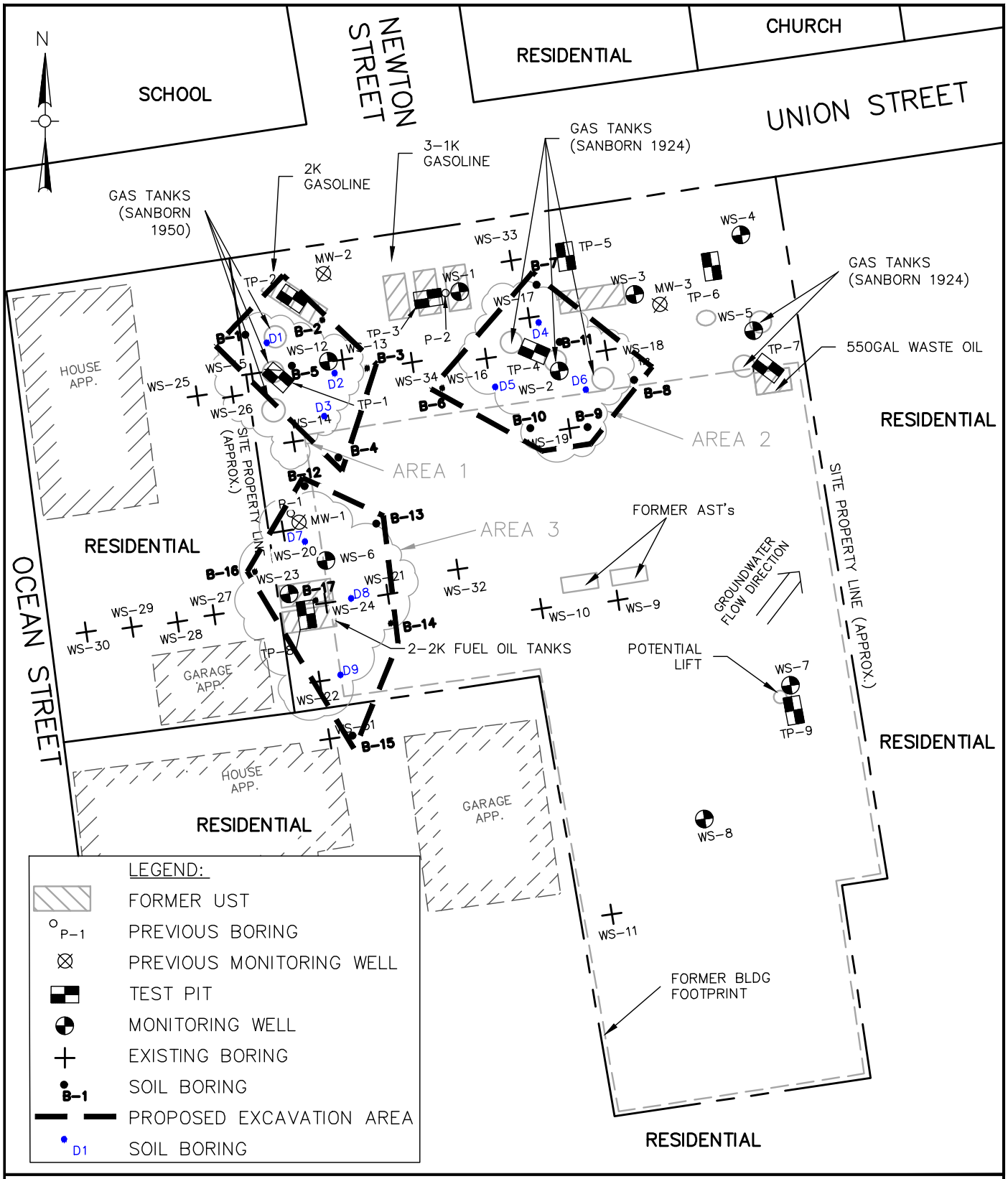

FIGURE 2
478-480 UNION STREET
NEW BEDFORD, MASSACHUSETTS

SITE PLAN

SCALE: 1"=30'

0 30 60

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TABLES

Table 1a Area 1 Field Screening Results > 20 ppmv TVOCs : 0-15’		
Location	**Sample ID**	**TVOCs (ppmv)**
Area of Former Gasoline USTs – Northwestern Portion of Site (1950 Sanborn)	TP-1 (6-9’)118 TP-1 (10-12’)	31.9 360
	WS-12 (13.5-15’) WS-12 (15-16’)	2,478 1,044
	WS-14 (7-10’) WS-14 (13.5-15’)	335.1 173.8
	WS-15 (12.5-13.5’) WS-15 (13.5-15’)	847.1 1,566
	B-1 (13-15’)	2,032
	B-2 (13-15’)	197
	B-3 (13-15’)	120
	B-4 (13-15’)	538
	B-5 (13-15’)	1,950
	D-1 (12.5 -13’)	1,650
	D-2 (12.5–13’)	815

Table 1b Area 2 Field Screening Results > 20 ppmv TVOCs: 0-15’		
Location	**Sample ID**	**TVOCs (ppmv)**
Area of Former Gasoline USTs – Northern Portion of Site (1924 Sanborn)	TP-4 (11.5-12.5’)	249
	WS-2 (10-15’)	518
	WS-16 (10-13’) WS-16 (13-15’)	1,355 1,208
	WS-17 (13-15’)	1,652
	WS-19 (10-15’)	47.6
	WS-34 (13-15’)	194
	B-6 (13-15’)	30
	B-7 (13-15’)	1,270
	B-10 (13-15’)	592
	B-11 (13-15’)	2,175
	D-4 (12-13’)	1,114
	D-5 (5-10’)	1,450
	D-5 (10-13’)	2,026

Table 1c Area 3 Field Screening Results > 20 ppmv TVOCs: 0-15’		
Location	**Sample ID**	**TVOCs (ppmv)**
Area of Former Fuel Oil USTs – Western Portion of Site	TP-8 (7-9’)	78
	WS-6 (8-10’) WS-6 (10-15’)	248 155
	WS-20 (12-14’) WS-20 (14-15’)	12.8 284
	WS-21 (8-10’) WS-21 (10-12’) WS-21 (12-15’)	268.4 211.5 385.9
	WS-22 (11-15’)	141.2
	WS-23 (13-15’)	206.9
	WS-24 (10-12’) WS-24 (12-13’) WS-24 (13-15’)	265.3 281.4 300.4
	WS-27 (13-15’)	162
	WS-28 (13-15’)	163
	WS-29 (10-13’) WS-29 (13-15’)	118 110
	B-12 (13-15’)	289
	B-13 (13-15’)	152
	B-14 (9-10’) B-14 (13-15’)	50 286
	B-16 (13-15’)	295
	B-17 (6-8’) B-17 (8-10’) B-17 (13-15’)	35 220 277
	D-7 (5-10’) D-7 (13-15’)	27 571
	D-8 (9-10’) D-8 (10-15’)	595 298
	D-9 (5-10’) D-9 (10-13’)	179 270

Table 2
Insitu Disposal Characterization Sampling Results
478 - 480 Union Street
New Bedford, MA

Parameter	Units	Reportable Concentrations (RCs)	DEP COMM-97 Disposal Criteria		Aggregate Industries	AREA 1		AREA 2		AREA 3		
		RCS-1	Lined Landfills	Unlined Landfills	Recycling Limits	Area 1 Composite	D-1 (10-13ft)	Area 2 Composite	D-5 (10-13ft)	Area 3 Composite	D-8 (6-10ft)	Dup-1
Total Petroleum Hydrocarbons (TPH)	mg/kg	1,000	5,000	2,500	50,000	**85**		**57**		**2600**		**2900**
Volatile Organic Compounds (VOCs)	mg/kg											
n-Butylbenzene		~	~	~	~	--	**6.8**	--	**1.9**	--	**8**	**7.6**
sec-Butylbenzene		~	~	~	~	--	**1**	--	**0.46**	--	**5.4**	**5.3**
tert-Butylbenzene		100	~	~	~	--	<0.17	--	<0.15	--	**0.34**	**0.34**
Ethylbenzene		40	~	~	~	--	<0.17	--	<0.15	--	**4.4**	**4.6**
Isopropylbenzene		1,000	~	~	~	--	**0.35**	--	<0.15	--	**3.2**	**3.3**
p-Isopropyltoluene		100	~	~	~	--	**1.5**	--	**1.2**	--	**3.9**	**3.9**
Naphthalene		4	~	~	~	--	**0.93**	--	<0.76	--	**28**	**30**
n-Propylbenzene		100	~	~	~	--	**0.93**	--	**0.37**	--	**7.5**	**7.6**
1,2,4-Trimethylbenzene		1,000	~	~	~	--	**5.2**	--	**1.8**	--	**35**	**35**
1,3,5-Trimethylbenzene		10	~	~	~	--	**3.5**	--	**1.0**	--	**12**	**13**
m+p Xylene		300	~	~	~	--	**0.5**	--	<0.30	--	**2.8**	**2.6**
o-Xylene		300	~	~	~	--	<0.17	--	<0.15	--	**0.27**	**0.3**
Total VOCs	mg/kg	~	10	4	500	--	**20.71**	--	**6.73**	--	**110.81**	**113.54**
Semi-Volatile Organic Compounds (SVOCs)	mg/kg											
Anthracene		1,000	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Benzo(a)anthracene		7	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Benzo(a)pyrene		2	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Benzo(b)fluoranthene		7	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Benzo(g,h,i)perylene		1,000	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Benzo(k)fluoranthene		70	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Chrysene		70	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Dibenzo(a,h)anthracene		0.70	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Dibenzofuran		100	~	~	~	<0.37	--	<0.37	--	<0.38	--	**0.40**
Fluoranthene		1,000	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Fluorene		1,000	~	~	~	<0.18	--	<0.18	--	**1.5**	--	**0.87**
Indeno(1,2,3-cd)pyrene		7	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
2-Methylnaphthalene		0.70	~	~	~	<0.18	--	<0.18	--	**10**	--	**6.2**
Naphthalene		4	~	~	~	<0.18	--	<0.18	--	**2.8**	--	**1.7**
Phenanthrene		10	~	~	~	<0.18	--	<0.18	--	**2.4**	--	**1.5**
Pyrene		1,000	~	~	~	<0.18	--	<0.18	--	<0.19	--	<0.19
Total SVOCs	mg/kg	--	100	100	~	ND		ND		**16.7**		**10.67**
8 RCRA Metals	mg/kg											
Arsenic		20	40	40	30	<2.6	--	<2.6	--	<2.8	--	<2.7
Cadmium		2.0	80	30	30	<0.26	--	<0.26	--	<0.28	--	<0.27
Chromium		30	1,000	1,000	500	**12**	--	**15**	--	**13**	--	**14**
Lead		300	2,000	1,000	1,000	**6.7**	--	**39**	--	**2.9**	--	**3.0**
Mercury		20	10	10	10	<0.028	--	<0.027	--	<0.028	--	<0.027
General Chemistry												
Ignitability		~	~	~	>140 F	Absent	--	Absent	--	Absent	--	Absent
pH	Units	~	~	~	> 2 and < 12.5	**8.2**	--	**8.4**	--	**6.6**	--	**6.6**
Reactive Cyanide	mg/kg	~	~	~	Non - Reactive	<4.0	--	<4.0	--	<4.0	--	<4.0
Reactive Sulfide	mg/kg	~	~	~	Non - Reactive	<20	--	<20	--	<20	--	<20
Specific Conductance	ohms/cm	~	8,000	4,000	~	**5.5**	--	**7.9**	--	**5.3**	--	**4.1**

Notes:
1. "<" or ND = Not detected above the laboratory detection limits.
2. -- = Not tested.
3. ~ = No standard.
4. *** standard varies with compound.
5. Only detected compounds are listed.
6. Recycling acceptance limits = 5 ppm total for chlorinated solvents

Data
BOLD = Parameter exceeds laboratory detection limit
BOLD = Parameter exceeds applicable MCP RCS-1 Standard
BOLD = Parameter exceeds MA COMM-97 criteria

ATTACHMENT A
SOIL BORING LOGS

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-1 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/11/13	DATE END 9/11/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/24	0-5		ND	0-6" Top soil 6"- 5' Light brown fine to medium SAND with GRAVEL.		
5			60/40	5-10		ND	Brown to gray fine to medium SAND with some GRAVEL		
10			60/36	10-12.5		0.4	Gray to brown fine to medium SAND with some GRAVEL.		
				12.5 -13		1650	Fine gray silty SAND (Petroluem Odor)		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 13'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-1

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-2 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/11/13	DATE END 9/11/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/36	0-5		ND	Brown fine to medium SAND with some GRAVEL.		
5			60/30	5-10		1.3	Light to dark brown fine to medium SAND and GRAVEL with rock fragments.		
10			60/36	10-12			Light brown fine to medium SAND with some some GRAVEL .		
				12-12.5		4.5	Light brown fine silty SAND (wet).		
15				12.5-13		815	Fine gray blue silty SAND with some fine to medioum SAND (saturated).		
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 13'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-2

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-3 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/11/13	DATE END 9/11/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/30	0-5		ND	Dark brown to gray fine to medium SAND		
5			60/50	5-10		0.3	Light brown to gray fine to medium SAND with some GRAVEL and rock fragments.		
10			60/30	10-12.5			Light gray fine silty SAND with some GRAVEL		
				12.5-13		8.5	Brown to gray fine silty SAND with rock fragments and orange fine to medium SAND at 13' (saturated)		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 13'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-3

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-4 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/11/13	DATE END 9/11/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/36	0-5		ND	Dark brown fine to medium SAND with some concrete, brick and rock fragments. (Fill)		
5			60/55	5-10		ND	Light brown to gray fine to medium SAND with some GRAVEL. (Fill)		
10				10-12		15.5	Brown to gray fine to medium SAND		
				12-13		1114	Gray to blue fine silty SAND with some GRAVEL.		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 13'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-4

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-5 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/13/13	DATE END 9/13/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/60	0-5		ND	Brown to gray fine to medium SAND with some GRAVEL and rock fragments.		
5			60/48	5-10		1450	Brown to gray fine to medium SAND with some GRAVEL and rock fragments. (Petroleum Odor)		
10			60/36	10-13		2026	Gray fine to medium SAND with some some GRAVEL (Strong Petroleum Odor)		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 13'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-5

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-6 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/13/13	DATE END 9/13/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/36	0-5		ND	Brown to gray fine to medium SAND with some GRAVEL and rock fragments. Some cinders & coal (Fill)		
5			60/48	5-10		0.2	Brown to gray fine to medium SAND with some GRAVEL.		
10			60/36	10-13		0.3	Brown to gray fine to medium SAND with some GRAVEL and rock fragments.		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 15'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-6

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-7 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/13/13	DATE END 9/13/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/36	0-5		ND	Brown to gray fine to medium SAND with some GRAVEL, rock fragments and		
5			60/60	5-10		27	Brown to gray fine to medium SAND with some GRAVEL and gray silty SAND.		
10				10-13			Brown to gray fine to medium SAND with some GRAVEL and fine silty SAND.		
				13-15		571	(Strong Petroleum Odor)		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 15'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-7

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-8 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/13/13	DATE END 9/13/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/30	0-5		ND	Brown to gray fine to medium SAND with GRAVEL and rock fragments.		
5				5-10		595	Brown to gray fine to medium SAND with some GRAVEL and rock fragments to 9'. Fine gray silty SAND to 10'. (Strong Petroleum Odor)		
10				10-15		298	Brown to gray fine to medium SAND with some GRAVEL and rock fragments (wet). (Strong Petroleum Odor)		
15									
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 15'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-8

Weston & Sampson	PROJECT 478-480 Union Street New Bedford, MA	REPORT OF BORING No. D-9 SHEET 1 OF 1 Project No. 2100451 CHKD BY SFH

BORING Co.	New England Geotech	BORING LOCATION	See attached plan
FOREMAN	Hayes	GROUND SURFACE ELEV.	DATUM
WSE GEOLOGIST:	Padraic Kavanagh	DATE START 9/13/13	DATE END 3/13/13

SAMPLER: Geoprobe Truck Rig

CASING:

CASING SIZE: N/A Method Direct push

GROUNDWATER READINGS

DATE	TIME	WATER AT	CASING AT	STABILIZATION TIME

DEPTH (feet)	CASING (lb/ft)	SAMPLE No.	PEN/REC (in)	DEPTH (ft)	BLOWS/6"	PID (ppm)	SAMPLE DESCRIPTION Burmister Classification	NOTES	STRATUM DESCRIPTION
			60/48	0-5		ND	Brown to gray fine to medium SAND with some GRAVEL and rock fragments.		
5			60/45	5-10		179	Brown fine to medium SAND with some GRAVEL and rock fragments.		
10				10-13		270	Brown fine to medium SAND with some GRAVEL and rock fragments and some gray silty SAND (Strong Petroleum Odor).		
15				13-15		0.9	Orange to brown fine silty SAND		
20									
25									
30									
35									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/FT	DENSITY	BLOWS/FT	DENSITY
0-4	V. LOOSE	0-2	V. SOFT
4-10	LOOSE	2-4	SOFT
10-30	M. DENSE	4-8	M. STIFF
30-50	DENSE	8-15	STIFF
> 50	V. DENSE	15-30	V. STIFF
		> 30	HARD

REMARKS:

Bottom of boring at 15'

ND = TVOCs Not Detected

NOTES:
1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

BORING No. D-9

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 20, 2013

Sean Healey
Weston & Sampson - Foxborough
100 Foxboro Boulevard, Suite 250
Foxborough, MA 02035

Project Location: Union St., New Bedford
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13I0548

Enclosed are results of analyses for samples received by the laboratory on September 16, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson - Foxborough
100 Foxboro Boulevard, Suite 250
Foxborough, MA 02035
ATTN: Sean Healey

REPORT DATE: 9/20/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0548

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Union St., New Bedford

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
D-1 (10-13ft)	13I0548-01	Soil		SM 2540G	
				SW-846 8260C	
D-5 (10-13ft)	13I0548-02	Soil		SM 2540G	
				SW-846 8260C	
D-8 (6-10ft)	13I0548-03	Soil		SM 2540G	
				SW-846 8260C	
Dup-1	13I0548-04	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1030	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8100 Modified	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
Area 1 Composite	13I0548-05	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1030	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8100 Modified	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
Area 2 Composite	13I0548-06	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1030	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8100 Modified	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson - Foxborough
100 Foxboro Boulevard, Suite 250
Foxborough, MA 02035
ATTN: Sean Healey

REPORT DATE: 9/20/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0548

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Union St., New Bedford

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Area 3 Composite	13I0548-07	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1030	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8100 Modified	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
Trip Blank	13I0548-08	Trip Blank Water		SW-846 8260C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8100 Modified

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

13I0548-04[Dup-1], 13I0548-07[Area 3 Composite]

SW-846 8260C

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene, Carbon Disulfide, Chloroethane, Trichlorofluoromethane (Freon 11)

B081079-BS1, B081079-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Methylene Chloride, Naphthalene

13I0548-01[D-1 (10-13ft)], 13I0548-02[D-5 (10-13ft)], 13I0548-03[D-8 (6-10ft)], 13I0548-04[Dup-1], B080960-BLK1, B080960-BS1, B080960-BSD1, 13I0548-08[Trip Blank], B081079-BLK1, B081079-BS1, B081079-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane

B080960-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

B080960-BSD1

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

Acetone, Bromomethane, Dichlorodifluoromethane (Freon 12)

B080960-BS1, B080960-BSD1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2-Hexanone (MBK), Acetone, Bromomethane, Tetrahydrofuran

13I0548-01[D-1 (10-13ft)], 13I0548-02[D-5 (10-13ft)], 13I0548-03[D-8 (6-10ft)], 13I0548-04[Dup-1], B080960-BLK1, B080960-BS1, B080960-BSD1

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

13I0548-01[D-1 (10-13ft)], 13I0548-03[D-8 (6-10ft)], 13I0548-04[Dup-1]

Elevated reporting limit due to high concentration of non-target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

13I0548-02[D-5 (10-13ft)]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 1,4-Dioxane, 2,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, Bromoform, Chlorodibromomethane, Methylene Chloride, Naphthalene, tert-Amyl Methyl Ether (TAME), tert-Butyl Ethyl Ether (TBEE), Tetrahydrofuran, trans-1,3-Dichloropropene

13I0548-01[D-1 (10-13ft)], 13I0548-02[D-5 (10-13ft)], 13I0548-03[D-8 (6-10ft)], 13I0548-04[Dup-1], B080960-BLK1, B080960-BS1, B080960-BSD1, 13I0548-08[Trip Blank], B081079-BLK1, B081079-BS1, B081079-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane

13I0548-01[D-1 (10-13ft)], 13I0548-02[D-5 (10-13ft)], 13I0548-03[D-8 (6-10ft)], 13I0548-04[Dup-1], 13I0548-08[Trip Blank], B080960-BLK1, B080960-BS1, B080960-BSD1, B081079-BLK1, B081079-BS1, B081079-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane, Carbon Disulfide, Methylene Chloride

B080960-BS1, B080960-BSD1, B081079-BS1, B081079-BSD1

SW-846 8270D

Qualifications:

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

13I0548-04[Dup-1], 13I0548-05[Area 1 Composite], 13I0548-06[Area 2 Composite], 13I0548-07[Area 3 Composite], B081063-BLK1, B081063-BS1, B081063-BSD1, B081063-MSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Pentachlorophenol

13I0548-04[Dup-1], 13I0548-05[Area 1 Composite], 13I0548-06[Area 2 Composite], 13I0548-07[Area 3 Composite], B081063-BLK1, B081063-BS1, B081063-BSD1, B081063-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, Nitrobenzene

B081063-BS1, B081063-BSD1, B081063-MSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, Nitrobenzene

13I0548-04[Dup-1], 13I0548-05[Area 1 Composite], 13I0548-06[Area 2 Composite], 13I0548-07[Area 3 Composite], B081063-BLK1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 9045C

Qualifications:

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

13I0548-04[Dup-1], 13I0548-05[Area 1 Composite], 13I0548-06[Area 2 Composite], 13I0548-07[Area 3 Composite]

SW-846 8100 Modified

TPH (C9-C36) is quantitated against a calibration made with a diesel standard.

SW-846 8260C

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

SW-846 8270D

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-1 (10-13ft) | Sampled: 9/11/2013 09:30

Sample ID: 13I0548-01

Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	8.4	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Benzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Bromobenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Bromochloromethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Bromodichloromethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Bromoform	ND	0.84	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Bromomethane	ND	0.34	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
2-Butanone (MEK)	ND	3.4	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
n-Butylbenzene	6.8	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
sec-Butylbenzene	1.0	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
tert-Butylbenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Carbon Disulfide	ND	1.7	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Carbon Tetrachloride	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Chlorobenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Chlorodibromomethane	ND	0.17	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Chloroethane	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Chloroform	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Chloromethane	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
2-Chlorotoluene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
4-Chlorotoluene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.67	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2-Dibromoethane (EDB)	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Dibromomethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2-Dichlorobenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,3-Dichlorobenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,4-Dichlorobenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1-Dichloroethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2-Dichloroethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1-Dichloroethylene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
cis-1,2-Dichloroethylene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
trans-1,2-Dichloroethylene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2-Dichloropropane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,3-Dichloropropane	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
2,2-Dichloropropane	ND	0.17	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1-Dichloropropene	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
cis-1,3-Dichloropropene	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
trans-1,3-Dichloropropene	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Diethyl Ether	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Diisopropyl Ether (DIPE)	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,4-Dioxane	ND	8.4	mg/Kg dry	4	V-05, V-16	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Ethylbenzene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-1 (10-13ft) | Sampled: 9/11/2013 09:30

Sample ID: 13I0548-01

Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
2-Hexanone (MBK)	ND	1.7	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Isopropylbenzene (Cumene)	0.35	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
p-Isopropyltoluene (p-Cymene)	1.5	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Methylene Chloride	ND	0.84	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
4-Methyl-2-pentanone (MIBK)	ND	1.7	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Naphthalene	0.93	0.84	mg/Kg dry	4	L-04, V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
n-Propylbenzene	0.93	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Styrene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1,1,2-Tetrachloroethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1,2,2-Tetrachloroethane	ND	0.084	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Tetrachloroethylene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Tetrahydrofuran	ND	0.67	mg/Kg dry	4	R-05, V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Toluene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2,3-Trichlorobenzene	ND	0.84	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1,1-Trichloroethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,1,2-Trichloroethane	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Trichloroethylene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Trichlorofluoromethane (Freon 11)	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2,3-Trichloropropane	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,2,4-Trimethylbenzene	5.2	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
1,3,5-Trimethylbenzene	3.5	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
Vinyl Chloride	ND	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
m+p Xylene	0.50	0.34	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD
o-Xylene	ND	0.17	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 10:29	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.7	70-130		9/19/13 10:29
Toluene-d8	106	70-130		9/19/13 10:29
4-Bromofluorobenzene	91.1	70-130		9/19/13 10:29

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-1 (10-13ft)
Sampled: 9/11/2013 09:30

Sample ID: 13I0548-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-5 (10-13ft) | Sampled: 9/13/2013 09:00

Sample ID: 13I0548-02

Sample Matrix: Soil

Sample Flags: RL-06

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	7.6	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Benzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Bromobenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Bromochloromethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Bromodichloromethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Bromoform	ND	0.76	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Bromomethane	ND	0.30	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
2-Butanone (MEK)	ND	3.0	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
n-Butylbenzene	1.9	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
sec-Butylbenzene	0.46	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
tert-Butylbenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Carbon Disulfide	ND	1.5	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Carbon Tetrachloride	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Chlorobenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Chlorodibromomethane	ND	0.15	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Chloroethane	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Chloroform	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Chloromethane	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
2-Chlorotoluene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
4-Chlorotoluene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.61	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2-Dibromoethane (EDB)	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Dibromomethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2-Dichlorobenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,3-Dichlorobenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,4-Dichlorobenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1-Dichloroethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2-Dichloroethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1-Dichloroethylene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
cis-1,2-Dichloroethylene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
trans-1,2-Dichloroethylene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2-Dichloropropane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,3-Dichloropropane	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
2,2-Dichloropropane	ND	0.15	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1-Dichloropropene	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
cis-1,3-Dichloropropene	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
trans-1,3-Dichloropropene	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Diethyl Ether	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Diisopropyl Ether (DIPE)	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,4-Dioxane	ND	7.6	mg/Kg dry	4	V-05, V-16	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Ethylbenzene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-5 (10-13ft) | Sampled: 9/13/2013 09:00

Sample ID: 13I0548-02

Sample Matrix: Soil

Sample Flags: RL-06

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
2-Hexanone (MBK)	ND	1.5	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Isopropylbenzene (Cumene)	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
p-Isopropyltoluene (p-Cymene)	1.2	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Methylene Chloride	ND	0.76	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	1.5	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Naphthalene	ND	0.76	mg/Kg dry	4	L-04, V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
n-Propylbenzene	0.37	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Styrene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1,1,2-Tetrachloroethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.076	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Tetrachloroethylene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Tetrahydrofuran	ND	0.61	mg/Kg dry	4	R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Toluene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2,3-Trichlorobenzene	ND	0.76	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2,4-Trichlorobenzene	ND	0.30	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1,1-Trichloroethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,1,2-Trichloroethane	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Trichloroethylene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Trichlorofluoromethane (Freon 11)	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2,3-Trichloropropane	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,2,4-Trimethylbenzene	1.8	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
1,3,5-Trimethylbenzene	1.0	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
Vinyl Chloride	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
m+p Xylene	ND	0.30	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD
o-Xylene	ND	0.15	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	82.7	70-130		9/19/13 11:00
Toluene-d8	99.2	70-130		9/19/13 11:00
4-Bromofluorobenzene	94.8	70-130		9/19/13 11:00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-5 (10-13ft)
Sampled: 9/13/2013 09:00

Sample ID: 13I0548-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-8 (6-10ft) | Sampled: 9/13/2013 12:00

Sample ID: 13I0548-03

Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	9.3	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Benzene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Bromobenzene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Bromochloromethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Bromodichloromethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Bromoform	ND	0.93	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Bromomethane	ND	0.37	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
2-Butanone (MEK)	ND	3.7	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
n-Butylbenzene	8.0	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
sec-Butylbenzene	5.4	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
tert-Butylbenzene	0.34	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Carbon Disulfide	ND	1.9	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Carbon Tetrachloride	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Chlorobenzene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Chlorodibromomethane	ND	0.19	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Chloroethane	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Chloroform	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Chloromethane	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
2-Chlorotoluene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
4-Chlorotoluene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.74	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2-Dibromoethane (EDB)	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Dibromomethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2-Dichlorobenzene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,3-Dichlorobenzene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,4-Dichlorobenzene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1-Dichloroethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2-Dichloroethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1-Dichloroethylene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
cis-1,2-Dichloroethylene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
trans-1,2-Dichloroethylene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2-Dichloropropane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,3-Dichloropropane	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
2,2-Dichloropropane	ND	0.19	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1-Dichloropropene	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
cis-1,3-Dichloropropene	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
trans-1,3-Dichloropropene	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Diethyl Ether	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Diisopropyl Ether (DIPE)	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,4-Dioxane	ND	9.3	mg/Kg dry	4	V-05, V-16	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Ethylbenzene	4.4	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-8 (6-10ft) | Sampled: 9/13/2013 12:00

Sample ID: 13I0548-03

Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
2-Hexanone (MBK)	ND	1.9	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Isopropylbenzene (Cumene)	3.2	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
p-Isopropyltoluene (p-Cymene)	3.9	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Methylene Chloride	ND	0.93	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
4-Methyl-2-pentanone (MIBK)	ND	1.9	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Naphthalene	28	0.93	mg/Kg dry	4	L-04, V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
n-Propylbenzene	7.5	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Styrene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1,1,2-Tetrachloroethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.093	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Tetrachloroethylene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Tetrahydrofuran	ND	0.74	mg/Kg dry	4	R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Toluene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2,3-Trichlorobenzene	ND	0.93	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1,1-Trichloroethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,1,2-Trichloroethane	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Trichloroethylene	ND	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Trichlorofluoromethane (Freon 11)	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2,3-Trichloropropane	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,2,4-Trimethylbenzene	35	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
1,3,5-Trimethylbenzene	12	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
Vinyl Chloride	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
m+p Xylene	2.8	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD
o-Xylene	0.27	0.19	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 11:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	84.1	70-130		9/19/13 11:31
Toluene-d8	99.0	70-130		9/19/13 11:31
4-Bromofluorobenzene	91.3	70-130		9/19/13 11:31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: D-8 (6-10ft)
Sampled: 9/13/2013 12:00

Sample ID: 13I0548-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1 | Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	9.2	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Benzene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Bromobenzene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Bromochloromethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Bromodichloromethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Bromoform	ND	0.92	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Bromomethane	ND	0.37	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
2-Butanone (MEK)	ND	3.7	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
n-Butylbenzene	7.6	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
sec-Butylbenzene	5.3	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
tert-Butylbenzene	0.34	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Carbon Disulfide	ND	1.8	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Carbon Tetrachloride	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Chlorobenzene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Chlorodibromomethane	ND	0.18	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Chloroethane	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Chloroform	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Chloromethane	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
2-Chlorotoluene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
4-Chlorotoluene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.74	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2-Dibromoethane (EDB)	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Dibromomethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2-Dichlorobenzene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,3-Dichlorobenzene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,4-Dichlorobenzene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1-Dichloroethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2-Dichloroethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1-Dichloroethylene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
cis-1,2-Dichloroethylene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
trans-1,2-Dichloroethylene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2-Dichloropropane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,3-Dichloropropane	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
2,2-Dichloropropane	ND	0.18	mg/Kg dry	4	V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1-Dichloropropene	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
cis-1,3-Dichloropropene	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
trans-1,3-Dichloropropene	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Diethyl Ether	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Diisopropyl Ether (DIPE)	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,4-Dioxane	ND	9.2	mg/Kg dry	4	V-05, V-16	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Ethylbenzene	4.6	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1 | Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
2-Hexanone (MBK)	ND	1.8	mg/Kg dry	4	R-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Isopropylbenzene (Cumene)	3.3	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
p-Isopropyltoluene (p-Cymene)	3.9	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Methylene Chloride	ND	0.92	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	1.8	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Naphthalene	30	0.92	mg/Kg dry	4	L-04, V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
n-Propylbenzene	7.6	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Styrene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1,1,2-Tetrachloroethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.092	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Tetrachloroethylene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Tetrahydrofuran	ND	0.74	mg/Kg dry	4	R-05, V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Toluene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2,3-Trichlorobenzene	ND	0.92	mg/Kg dry	4	R-05, V-05, L-04	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	4	L-04, R-05, V-05	SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1,1-Trichloroethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,1,2-Trichloroethane	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Trichloroethylene	ND	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Trichlorofluoromethane (Freon 11)	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2,3-Trichloropropane	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,2,4-Trimethylbenzene	35	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
1,3,5-Trimethylbenzene	13	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
Vinyl Chloride	ND	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
m+p Xylene	2.6	0.37	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD
o-Xylene	0.30	0.18	mg/Kg dry	4		SW-846 8260C	9/17/13	9/19/13 12:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	81.6	70-130		9/19/13 12:01
Toluene-d8	99.1	70-130		9/19/13 12:01
4-Bromofluorobenzene	89.5	70-130		9/19/13 12:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1 | Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Dibenzofuran	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	V-04, V-20	SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Fluorene	0.87	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2-Methylnaphthalene	6.2	0.38	mg/Kg dry	2		SW-846 8270D	9/18/13	9/20/13 10:26	CMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1 | Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Naphthalene	1.7	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Nitrobenzene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2-Nitrophenol	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:13	CDT
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Pentachlorophenol	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Phenanthrene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:13	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.8	30-130		9/19/13 20:13
Phenol-d6	46.3	30-130		9/19/13 20:13
Nitrobenzene-d5	66.4	30-130		9/19/13 20:13
2-Fluorobiphenyl	47.3	30-130		9/19/13 20:13
2,4,6-Tribromophenol	57.4	30-130		9/19/13 20:13
p-Terphenyl-d14	52.9	30-130		9/19/13 20:13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1
Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	2900	460	mg/Kg dry	50		SW-846 8100 Modified	9/18/13	9/20/13 11:51	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	40-140	S-01	9/20/13 11:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1
Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:07	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:07	OP
Chromium	14	0.54	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:07	OP
Lead	3.0	0.81	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:07	OP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	9/18/13	9/18/13 15:29	SAJ

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Dup-1
Sampled: 9/13/2013 00:00

Sample ID: 13I0548-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ignitability	Absent		present/absent	1		SW-846 1030	9/19/13	9/19/13 22:00	DJM
pH @20.7°C	6.6		pH Units	1	H-03	SW-846 9045C	9/17/13	9/17/13 12:11	VAK
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	9/19/13	9/20/13 15:44	DJM
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	9/19/13	9/20/13 16:22	DJM
Specific conductance	4.1	2.0	µmhos/cm	1		SM18-20 2510B	9/19/13	9/19/13 10:00	VLA
% Solids	89.7		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 1 Composite | Sampled: 9/11/2013 10:00

Sample ID: 13I0548-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-04, V-20	SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 1 Composite
Sampled: 9/11/2013 10:00

Sample ID: 13I0548-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Nitrobenzene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2-Nitrophenol	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 20:44	CDT
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Pentachlorophenol	ND	0.37	mg/Kg dry	1	V-05	SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 20:44	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.1	30-130		9/19/13 20:44
Phenol-d6	41.3	30-130		9/19/13 20:44
Nitrobenzene-d5	47.9	30-130		9/19/13 20:44
2-Fluorobiphenyl	39.4	30-130		9/19/13 20:44
2,4,6-Tribromophenol	42.1	30-130		9/19/13 20:44
p-Terphenyl-d14	46.2	30-130		9/19/13 20:44

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 1 Composite
Sampled: 9/11/2013 10:00

Sample ID: 13I0548-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	85	9.0	mg/Kg dry	1		SW-846 8100 Modified	9/18/13	9/19/13 22:07	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	78.3	40-140		9/19/13 22:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 1 Composite
Sampled: 9/11/2013 10:00

Sample ID: 13I0548-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.6	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 12:23	OP
Cadmium	ND	0.26	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 12:23	OP
Chromium	12	0.53	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 12:23	OP
Lead	6.7	0.79	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 12:23	OP
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	9/18/13	9/18/13 15:30	SAJ

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 1 Composite
Sampled: 9/11/2013 10:00

Sample ID: 13I0548-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ignitability	Absent		present/absent	1		SW-846 1030	9/19/13	9/19/13 22:00	DJM
pH @20.2°C	8.2		pH Units	1	H-03	SW-846 9045C	9/18/13	9/18/13 8:45	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	9/19/13	9/20/13 15:44	DJM
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	9/19/13	9/20/13 16:22	DJM
Specific conductance	5.5	2.0	µmhos/cm	1		SM18-20 2510B	9/19/13	9/19/13 10:00	VLA
% Solids	91.9		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

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Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 2 Composite | Sampled: 9/13/2013 13:00

Sample ID: 13I0548-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-20, V-04	SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 2 Composite
Sampled: 9/13/2013 13:00

Sample ID: 13I0548-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Nitrobenzene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2-Nitrophenol	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:15	CDT
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Pentachlorophenol	ND	0.37	mg/Kg dry	1	V-05	SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:15	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2	30-130		9/19/13 21:15
Phenol-d6	51.8	30-130		9/19/13 21:15
Nitrobenzene-d5	60.7	30-130		9/19/13 21:15
2-Fluorobiphenyl	50.6	30-130		9/19/13 21:15
2,4,6-Tribromophenol	48.6	30-130		9/19/13 21:15
p-Terphenyl-d14	58.1	30-130		9/19/13 21:15

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 2 Composite
Sampled: 9/13/2013 13:00

Sample ID: 13I0548-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	57	9.1	mg/Kg dry	1		SW-846 8100 Modified	9/18/13	9/19/13 22:24	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	73.9	40-140		9/19/13 22:24

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 2 Composite
Sampled: 9/13/2013 13:00

Sample ID: 13I0548-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.6	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:12	OP
Cadmium	ND	0.26	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:12	OP
Chromium	15	0.53	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:12	OP
Lead	39	0.79	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:12	OP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	9/17/13	9/18/13 13:42	SAJ

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 2 Composite
Sampled: 9/13/2013 13:00

Sample ID: 13I0548-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ignitability	Absent		present/absent	1		SW-846 1030	9/19/13	9/19/13 22:00	DJM
pH @18.1°C	8.4		pH Units	1	H-03	SW-846 9045C	9/18/13	9/18/13 8:45	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	9/19/13	9/20/13 15:44	DJM
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	9/19/13	9/20/13 16:22	DJM
Specific conductance	7.9	2.0	µmhos/cm	1		SM18-20 2510B	9/19/13	9/19/13 10:00	VLA
% Solids	91.4		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

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Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 3 Composite | Sampled: 9/13/2013 14:00

Sample ID: 13I0548-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-04, V-20	SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Fluorene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2-Methylnaphthalene	10	0.77	mg/Kg dry	4		SW-846 8270D	9/18/13	9/20/13 10:58	CMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 3 Composite
Sampled: 9/13/2013 14:00

Sample ID: 13I0548-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Naphthalene	2.8	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Nitrobenzene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2-Nitrophenol	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/18/13	9/19/13 21:46	CDT
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Pentachlorophenol	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Phenanthrene	2.4	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/13	9/19/13 21:46	CDT

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	73.2	30-130		9/19/13 21:46
Phenol-d6	69.5	30-130		9/19/13 21:46
Nitrobenzene-d5	111	30-130		9/19/13 21:46
2-Fluorobiphenyl	65.7	30-130		9/19/13 21:46
2,4,6-Tribromophenol	89.9	30-130		9/19/13 21:46
p-Terphenyl-d14	77.9	30-130		9/19/13 21:46

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 3 Composite
Sampled: 9/13/2013 14:00

Sample ID: 13I0548-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	2600	470	mg/Kg dry	50		SW-846 8100 Modified	9/18/13	9/20/13 11:33	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	40-140	S-01	9/20/13 11:33

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 3 Composite
Sampled: 9/13/2013 14:00

Sample ID: 13I0548-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:18	OP
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:18	OP
Chromium	13	0.56	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:18	OP
Lead	2.9	0.84	mg/Kg dry	1		SW-846 6010C	9/17/13	9/20/13 13:18	OP
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	9/17/13	9/18/13 13:44	SAJ

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Project Location: Union St., New Bedford
Sample Description:
Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Area 3 Composite
Sampled: 9/13/2013 14:00

Sample ID: 13I0548-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ignitability	Absent		present/absent	1		SW-846 1030	9/19/13	9/19/13 22:00	DJM
pH @19.6°C	6.6		pH Units	1	H-03	SW-846 9045C	9/18/13	9/18/13 8:45	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	9/19/13	9/20/13 15:44	DJM
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	9/19/13	9/20/13 16:22	DJM
Specific conductance	5.3	2.0	µmhos/cm	1		SM18-20 2510B	9/19/13	9/19/13 10:00	VLA
% Solids	87.9		% Wt	1		SM 2540G	9/18/13	9/19/13 11:54	MLA

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Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Trip Blank | Sampled: 9/13/2013 00:00

Sample ID: 13I0548-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0020	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Bromochloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Bromoform	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
n-Butylbenzene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Carbon Tetrachloride	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Chlorodibromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Chloroethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
cis-1,3-Dichloropropene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Diethyl Ether	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,4-Dioxane	ND	0.20	mg/Kg wet	1	V-05, V-16	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF

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Project Location: Union St., New Bedford | Sample Description: | Work Order: 13I0548

Date Received: 9/16/2013

Field Sample #: Trip Blank | Sampled: 9/13/2013 00:00

Sample ID: 13I0548-08

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Methylene Chloride	ND	0.010	mg/Kg wet	1	L-04, V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Naphthalene	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-05	SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2,3-Trichlorobenzene	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2,4-Trichlorobenzene	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/18/13	9/18/13 14:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		9/18/13 14:26
Toluene-d8	90.1	70-130		9/18/13 14:26
4-Bromofluorobenzene	92.8	70-130		9/18/13 14:26

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13I0548-01 [D-1 (10-13ft)]	B081083	09/18/13
13I0548-02 [D-5 (10-13ft)]	B081083	09/18/13
13I0548-03 [D-8 (6-10ft)]	B081083	09/18/13
13I0548-04 [Dup-1]	B081083	09/18/13
13I0548-05 [Area 1 Composite]	B081083	09/18/13
13I0548-06 [Area 2 Composite]	B081083	09/18/13
13I0548-07 [Area 3 Composite]	B081083	09/18/13

SM18-20 2510B

Lab Number [Field ID]	Batch	Initial [g]	Date
13I0548-04 [Dup-1]	B081174	1.00	09/19/13
13I0548-05 [Area 1 Composite]	B081174	1.00	09/19/13
13I0548-06 [Area 2 Composite]	B081174	1.00	09/19/13
13I0548-07 [Area 3 Composite]	B081174	1.00	09/19/13

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B081181	50.0	50.0	09/19/13
13I0548-05 [Area 1 Composite]	B081181	50.0	50.0	09/19/13
13I0548-06 [Area 2 Composite]	B081181	50.0	50.0	09/19/13
13I0548-07 [Area 3 Composite]	B081181	50.0	50.0	09/19/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B080991	1.04	50.0	09/17/13
13I0548-05 [Area 1 Composite]	B080991	1.03	50.0	09/17/13
13I0548-06 [Area 2 Composite]	B080991	1.04	50.0	09/17/13
13I0548-07 [Area 3 Composite]	B080991	1.01	50.0	09/17/13

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-06 [Area 2 Composite]	B081025	0.605	50.0	09/17/13
13I0548-07 [Area 3 Composite]	B081025	0.614	50.0	09/17/13

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B081070	0.609	50.0	09/18/13
13I0548-05 [Area 1 Composite]	B081070	0.592	50.0	09/18/13

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B081064	30.0	1.00	09/18/13
13I0548-05 [Area 1 Composite]	B081064	30.1	1.00	09/18/13
13I0548-06 [Area 2 Composite]	B081064	30.1	1.00	09/18/13
13I0548-07 [Area 3 Composite]	B081064	30.1	1.00	09/18/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
13I0548-01 [D-1 (10-13ft)]	B080960	24.1	17.8	0.25	50	09/17/13
13I0548-02 [D-5 (10-13ft)]	B080960	24.8	17.2	0.25	50	09/17/13
13I0548-03 [D-8 (6-10ft)]	B080960	22.0	17.8	0.25	50	09/17/13
13I0548-04 [Dup-1]	B080960	20.7	17.1	0.25	50	09/17/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-08 [Trip Blank]	B081079	5.00	10.0	09/18/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B081063	30.2	1.00	09/18/13
13I0548-05 [Area 1 Composite]	B081063	30.1	1.00	09/18/13
13I0548-06 [Area 2 Composite]	B081063	30.4	1.00	09/18/13
13I0548-07 [Area 3 Composite]	B081063	30.3	1.00	09/18/13

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B081179	25.1	250	09/19/13
13I0548-05 [Area 1 Composite]	B081179	25.1	250	09/19/13
13I0548-06 [Area 2 Composite]	B081179	25.1	250	09/19/13
13I0548-07 [Area 3 Composite]	B081179	25.1	250	09/19/13

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0548-04 [Dup-1]	B081180	25.1	250	09/19/13
13I0548-05 [Area 1 Composite]	B081180	25.1	250	09/19/13
13I0548-06 [Area 2 Composite]	B081180	25.1	250	09/19/13
13I0548-07 [Area 3 Composite]	B081180	25.1	250	09/19/13

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
13I0548-04 [Dup-1]	B081053	20.0	09/17/13

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Sample Extraction Data

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
13I0548-05 [Area 1 Composite]	B081054	20.0	09/18/13
13I0548-06 [Area 2 Composite]	B081054	20.0	09/18/13
13I0548-07 [Area 3 Composite]	B081054	20.0	09/18/13

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080960 - SW-846 5035										
Blank (B080960-BLK1)				Prepared: 09/17/13 Analyzed: 09/19/13						
Acetone	ND	2.5	mg/Kg wet							R-05
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromochloromethane	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.25	mg/Kg wet							V-05
Bromomethane	ND	0.10	mg/Kg wet							R-05
2-Butanone (MEK)	ND	1.0	mg/Kg wet							V-05
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							
Carbon Disulfide	ND	0.50	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.050	mg/Kg wet							V-05
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.20	mg/Kg wet							L-04, R-05, V-05
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Diethyl Ether	ND	0.10	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							V-16, V-05
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							R-05
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.25	mg/Kg wet							L-04, V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B080960 - SW-846 5035												
Blank (B080960-BLK1)				Prepared: 09/17/13 Analyzed: 09/19/13								
n-Propylbenzene	ND	0.050	mg/Kg wet									
Styrene	ND	0.050	mg/Kg wet									
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet									
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet									
Tetrachloroethylene	ND	0.050	mg/Kg wet									
Tetrahydrofuran	ND	0.20	mg/Kg wet								R-05, V-05	
Toluene	ND	0.050	mg/Kg wet									
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								L-04, R-05, V-05	
1,2,4-Trichlorobenzene	ND	0.10	mg/Kg wet								L-04, R-05, V-05	
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet									
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet									
Trichloroethylene	ND	0.050	mg/Kg wet									
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet									
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet									
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet									
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet									
Vinyl Chloride	ND	0.10	mg/Kg wet									
m+p Xylene	ND	0.10	mg/Kg wet									
o-Xylene	ND	0.050	mg/Kg wet									
Surrogate: 1,2-Dichloroethane-d4	*0.0230*		mg/Kg wet	0.0250		92.2		70-130				
Surrogate: Toluene-d8	*0.0242*		mg/Kg wet	0.0250		96.6		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0233*		mg/Kg wet	0.0250		93.1		70-130				
LCS (B080960-BS1)				Prepared: 09/17/13 Analyzed: 09/19/13								
Acetone	0.169	0.057	mg/Kg wet	0.113		149		40-160			L-14, R-05	†
tert-Amyl Methyl Ether (TAME)	0.0104	0.00057	mg/Kg wet	0.0113		91.8		70-130				
Benzene	0.0110	0.0011	mg/Kg wet	0.0113		97.4		70-130				
Bromobenzene	0.0110	0.0011	mg/Kg wet	0.0113		96.8		70-130				
Bromochloromethane	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130				
Bromodichloromethane	0.00975	0.0011	mg/Kg wet	0.0113		86.0		70-130				
Bromoform	0.00813	0.0057	mg/Kg wet	0.0113		71.7		70-130			V-05	
Bromomethane	0.00748	0.0023	mg/Kg wet	0.0113		66.0		40-160			R-05, V-20, L-14	†
2-Butanone (MEK)	0.120	0.023	mg/Kg wet	0.113		106		40-160			V-05	†
n-Butylbenzene	0.0113	0.0011	mg/Kg wet	0.0113		99.3		70-130				
sec-Butylbenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130				
tert-Butylbenzene	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0108	0.00057	mg/Kg wet	0.0113		95.2		70-130				
Carbon Disulfide	0.0119	0.011	mg/Kg wet	0.0113		105		70-130				
Carbon Tetrachloride	0.00940	0.0011	mg/Kg wet	0.0113		82.9		70-130				
Chlorobenzene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130				
Chlorodibromomethane	0.00847	0.0011	mg/Kg wet	0.0113		74.7		70-130			V-05	
Chloroethane	0.0115	0.0023	mg/Kg wet	0.0113		102		70-130				
Chloroform	0.0104	0.0023	mg/Kg wet	0.0113		92.2		70-130				
Chloromethane	0.00974	0.0023	mg/Kg wet	0.0113		85.9		40-160				†
2-Chlorotoluene	0.0114	0.0011	mg/Kg wet	0.0113		100		70-130				
4-Chlorotoluene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.00738	0.0045	mg/Kg wet	0.0113		**65.1**	*	70-130			L-04, R-05, V-05	
1,2-Dibromoethane (EDB)	0.0109	0.00057	mg/Kg wet	0.0113		95.9		70-130				
Dibromomethane	0.0106	0.0011	mg/Kg wet	0.0113		93.4		70-130				
1,2-Dichlorobenzene	0.0114	0.0011	mg/Kg wet	0.0113		101		70-130				
1,3-Dichlorobenzene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130				
1,4-Dichlorobenzene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B080960 - SW-846 5035												
LCS (B080960-BS1)				Prepared: 09/17/13 Analyzed: 09/19/13								
Dichlorodifluoromethane (Freon 12)	0.00668	0.0023	mg/Kg wet	0.0113		58.9		40-160			L-14	†
1,1-Dichloroethane	0.0110	0.0011	mg/Kg wet	0.0113		96.8		70-130				
1,2-Dichloroethane	0.00977	0.0011	mg/Kg wet	0.0113		86.2		70-130				
1,1-Dichloroethylene	0.0110	0.0011	mg/Kg wet	0.0113		97.0		70-130				
cis-1,2-Dichloroethylene	0.0105	0.0011	mg/Kg wet	0.0113		92.4		70-130				
trans-1,2-Dichloroethylene	0.0110	0.0011	mg/Kg wet	0.0113		97.1		70-130				
1,2-Dichloropropane	0.0113	0.0011	mg/Kg wet	0.0113		99.6		70-130				
1,3-Dichloropropane	0.0109	0.00057	mg/Kg wet	0.0113		96.1		70-130				
2,2-Dichloropropane	0.00794	0.0011	mg/Kg wet	0.0113		70.1		70-130			V-05	
1,1-Dichloropropene	0.0108	0.0023	mg/Kg wet	0.0113		95.0		70-130				
cis-1,3-Dichloropropene	0.00976	0.00057	mg/Kg wet	0.0113		86.1		70-130				
trans-1,3-Dichloropropene	0.0120	0.00057	mg/Kg wet	0.0113		106		70-130				
Diethyl Ether	0.0111	0.0023	mg/Kg wet	0.0113		98.2		70-130				
Diisopropyl Ether (DIPE)	0.0118	0.00057	mg/Kg wet	0.0113		104		70-130				
1,4-Dioxane	0.110	0.057	mg/Kg wet	0.113		97.3		40-160			V-05, V-16	†
Ethylbenzene	0.0116	0.0011	mg/Kg wet	0.0113		103		70-130				
Hexachlorobutadiene	0.0110	0.0011	mg/Kg wet	0.0113		97.5		70-130				
2-Hexanone (MBK)	0.112	0.011	mg/Kg wet	0.113		99.0		40-160			R-05	†
Isopropylbenzene (Cumene)	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130				
p-Isopropyltoluene (p-Cymene)	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130				
Methyl tert-Butyl Ether (MTBE)	0.0109	0.0011	mg/Kg wet	0.0113		96.1		70-130				
Methylene Chloride	0.0133	0.0057	mg/Kg wet	0.0113		117		70-130			V-20	
4-Methyl-2-pentanone (MIBK)	0.0962	0.011	mg/Kg wet	0.113		84.9		40-160				†
Naphthalene	0.00698	0.0057	mg/Kg wet	0.0113		**61.6**	*	70-130			L-04, V-05	
n-Propylbenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130				
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130				
1,1,1,2-Tetrachloroethane	0.0116	0.0011	mg/Kg wet	0.0113		102		70-130				
1,1,2,2-Tetrachloroethane	0.0107	0.00057	mg/Kg wet	0.0113		94.6		70-130				
Tetrachloroethylene	0.0113	0.0011	mg/Kg wet	0.0113		99.6		70-130				
Tetrahydrofuran	0.00986	0.0045	mg/Kg wet	0.0113		87.0		70-130			R-05, V-05	
Toluene	0.0111	0.0011	mg/Kg wet	0.0113		97.6		70-130				
1,2,3-Trichlorobenzene	0.00661	0.0057	mg/Kg wet	0.0113		**58.3**	*	70-130			L-04, R-05, V-05	
1,2,4-Trichlorobenzene	0.00678	0.0023	mg/Kg wet	0.0113		**59.8**	*	70-130			L-04, R-05, V-05	
1,1,1-Trichloroethane	0.00963	0.0011	mg/Kg wet	0.0113		85.0		70-130				
1,1,2-Trichloroethane	0.0109	0.0011	mg/Kg wet	0.0113		96.2		70-130				
Trichloroethylene	0.0106	0.0011	mg/Kg wet	0.0113		93.3		70-130				
Trichlorofluoromethane (Freon 11)	0.0100	0.0023	mg/Kg wet	0.0113		88.4		70-130				
1,2,3-Trichloropropane	0.0107	0.0023	mg/Kg wet	0.0113		94.3		70-130				
1,2,4-Trimethylbenzene	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130				
1,3,5-Trimethylbenzene	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130				
Vinyl Chloride	0.00934	0.0023	mg/Kg wet	0.0113		82.4		70-130				
m+p Xylene	0.0242	0.0023	mg/Kg wet	0.0227		107		70-130				
o-Xylene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0247*		mg/Kg wet	0.0283		87.0		70-130				
Surrogate: Toluene-d8	*0.0279*		mg/Kg wet	0.0283		98.6		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0280*		mg/Kg wet	0.0283		98.9		70-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B080960 - SW-846 5035													
LCS Dup (B080960-BSD1)				Prepared: 09/17/13 Analyzed: 09/19/13									
Acetone	0.131	0.057	mg/Kg wet	0.113		116		40-160	**25.1**	*	20	R-05	†
tert-Amyl Methyl Ether (TAME)	0.0104	0.00057	mg/Kg wet	0.0113		91.9		70-130	0.109		20		
Benzene	0.0112	0.0011	mg/Kg wet	0.0113		98.5		70-130	1.12		20		
Bromobenzene	0.0112	0.0011	mg/Kg wet	0.0113		99.0		70-130	2.25		20		
Bromochloromethane	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130	0.287		20		
Bromodichloromethane	0.00981	0.0011	mg/Kg wet	0.0113		86.6		70-130	0.695		20		
Bromoform	0.00797	0.0057	mg/Kg wet	0.0113		70.3		70-130	1.97		20	V-05	
Bromomethane	0.00972	0.0023	mg/Kg wet	0.0113		85.8		40-160	**26.1**	*	20	R-05, V-20	†
2-Butanone (MEK)	0.0982	0.023	mg/Kg wet	0.113		86.6		40-160	19.8		20	V-05	†
n-Butylbenzene	0.0111	0.0011	mg/Kg wet	0.0113		97.7		70-130	1.62		20		
sec-Butylbenzene	0.0122	0.0011	mg/Kg wet	0.0113		107		70-130	0.936		20		
tert-Butylbenzene	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130	0.0963		20		
tert-Butyl Ethyl Ether (TBEE)	0.0108	0.00057	mg/Kg wet	0.0113		95.0		70-130	0.210		20		
Carbon Disulfide	0.0116	0.011	mg/Kg wet	0.0113		102		70-130	2.80		20		
Carbon Tetrachloride	0.00954	0.0011	mg/Kg wet	0.0113		84.2		70-130	1.56		20		
Chlorobenzene	0.0116	0.0011	mg/Kg wet	0.0113		102		70-130	1.27		20		
Chlorodibromomethane	0.00816	0.0011	mg/Kg wet	0.0113		72.0		70-130	3.68		20	V-05	
Chloroethane	0.0117	0.0023	mg/Kg wet	0.0113		103		70-130	1.17		20		
Chloroform	0.0105	0.0023	mg/Kg wet	0.0113		92.9		70-130	0.756		20		
Chloromethane	0.00970	0.0023	mg/Kg wet	0.0113		85.6		40-160	0.350		20		†
2-Chlorotoluene	0.0114	0.0011	mg/Kg wet	0.0113		100		70-130	0.299		20		
4-Chlorotoluene	0.0116	0.0011	mg/Kg wet	0.0113		102		70-130	0.390		20		
1,2-Dibromo-3-chloropropane (DBCP)	0.00600	0.0045	mg/Kg wet	0.0113		**52.9**	*	70-130	**20.7**	*	20	L-04, R-05, V-05	
1,2-Dibromoethane (EDB)	0.0101	0.00057	mg/Kg wet	0.0113		89.4		70-130	7.02		20		
Dibromomethane	0.0102	0.0011	mg/Kg wet	0.0113		90.1		70-130	3.60		20		
1,2-Dichlorobenzene	0.0113	0.0011	mg/Kg wet	0.0113		99.6		70-130	1.40		20		
1,3-Dichlorobenzene	0.0116	0.0011	mg/Kg wet	0.0113		102		70-130	0.972		20		
1,4-Dichlorobenzene	0.0114	0.0011	mg/Kg wet	0.0113		101		70-130	1.96		20		
Dichlorodifluoromethane (Freon 12)	0.00675	0.0023	mg/Kg wet	0.0113		59.6		40-160	1.18		20	L-14	†
1,1-Dichloroethane	0.0110	0.0011	mg/Kg wet	0.0113		96.9		70-130	0.103		20		
1,2-Dichloroethane	0.00947	0.0011	mg/Kg wet	0.0113		83.6		70-130	3.06		20		
1,1-Dichloroethylene	0.0111	0.0011	mg/Kg wet	0.0113		98.3		70-130	1.33		20		
cis-1,2-Dichloroethylene	0.0105	0.0011	mg/Kg wet	0.0113		93.0		70-130	0.647		20		
trans-1,2-Dichloroethylene	0.0125	0.0011	mg/Kg wet	0.0113		110		70-130	12.5		20		
1,2-Dichloropropane	0.0114	0.0011	mg/Kg wet	0.0113		101		70-130	1.30		20		
1,3-Dichloropropane	0.0106	0.00057	mg/Kg wet	0.0113		93.9		70-130	2.32		20		
2,2-Dichloropropane	0.00788	0.0011	mg/Kg wet	0.0113		**69.5**	*	70-130	0.860		20	L-07, V-05	
1,1-Dichloropropene	0.0110	0.0023	mg/Kg wet	0.0113		97.5		70-130	2.60		20		
cis-1,3-Dichloropropene	0.00971	0.00057	mg/Kg wet	0.0113		85.7		70-130	0.466		20		
trans-1,3-Dichloropropene	0.0113	0.00057	mg/Kg wet	0.0113		100		70-130	5.25		20		
Diethyl Ether	0.0112	0.0023	mg/Kg wet	0.0113		98.7		70-130	0.508		20		
Diisopropyl Ether (DIPE)	0.0117	0.00057	mg/Kg wet	0.0113		103		70-130	0.676		20		
1,4-Dioxane	0.0963	0.057	mg/Kg wet	0.113		85.0		40-160	13.5		20	V-05, V-16	†
Ethylbenzene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130	0.777		20		
Hexachlorobutadiene	0.0107	0.0011	mg/Kg wet	0.0113		94.5		70-130	3.12		20		
2-Hexanone (MBK)	0.0904	0.011	mg/Kg wet	0.113		79.8		40-160	**21.5**	*	20	R-05	†
Isopropylbenzene (Cumene)	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130	0.190		20		
p-Isopropyltoluene (p-Cymene)	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130	0.291		20		
Methyl tert-Butyl Ether (MTBE)	0.0113	0.0011	mg/Kg wet	0.0113		99.7		70-130	3.68		20		
Methylene Chloride	0.0131	0.0057	mg/Kg wet	0.0113		116		70-130	1.03		20	V-20	
4-Methyl-2-pentanone (MIBK)	0.0823	0.011	mg/Kg wet	0.113		72.6		40-160	15.6		20		†
Naphthalene	0.00577	0.0057	mg/Kg wet	0.0113		**50.9**	*	70-130	19.0		20	L-04, V-05	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B080960 - SW-846 5035												
LCS Dup (B080960-BSD1)				Prepared: 09/17/13 Analyzed: 09/19/13								
n-Propylbenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130	0.855		20	
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130	0.0936		20	
1,1,1,2-Tetrachloroethane	0.0112	0.0011	mg/Kg wet	0.0113		99.2		70-130	3.17		20	
1,1,2,2-Tetrachloroethane	0.00976	0.00057	mg/Kg wet	0.0113		86.1		70-130	9.41		20	
Tetrachloroethylene	0.0113	0.0011	mg/Kg wet	0.0113		99.5		70-130	0.100		20	
Tetrahydrofuran	0.00791	0.0045	mg/Kg wet	0.0113		**69.8**	*	70-130	**21.9**	*	20	V-05, L-07A, R-05
Toluene	0.0108	0.0011	mg/Kg wet	0.0113		95.2		70-130	2.49		20	
1,2,3-Trichlorobenzene	0.00486	0.0057	mg/Kg wet	0.0113		**42.9**	*	70-130	**30.4**	*	20	L-04, R-05, V-05
1,2,4-Trichlorobenzene	0.00542	0.0023	mg/Kg wet	0.0113		**47.8**	*	70-130	**22.3**	*	20	L-04, R-05, V-05
1,1,1-Trichloroethane	0.00970	0.0011	mg/Kg wet	0.0113		85.6		70-130	0.703		20	
1,1,2-Trichloroethane	0.0105	0.0011	mg/Kg wet	0.0113		92.6		70-130	3.81		20	
Trichloroethylene	0.0102	0.0011	mg/Kg wet	0.0113		89.6		70-130	4.05		20	
Trichlorofluoromethane (Freon 11)	0.00997	0.0023	mg/Kg wet	0.0113		88.0		70-130	0.454		20	
1,2,3-Trichloropropane	0.00946	0.0023	mg/Kg wet	0.0113		83.5		70-130	12.1		20	
1,2,4-Trimethylbenzene	0.0123	0.0011	mg/Kg wet	0.0113		108		70-130	0.929		20	
1,3,5-Trimethylbenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130	0.959		20	
Vinyl Chloride	0.00936	0.0023	mg/Kg wet	0.0113		82.6		70-130	0.242		20	
m+p Xylene	0.0241	0.0023	mg/Kg wet	0.0227		106		70-130	0.375		20	
o-Xylene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130	0.663		20	
Surrogate: 1,2-Dichloroethane-d4	*0.0246*		mg/Kg wet	0.0283		87.0		70-130				
Surrogate: Toluene-d8	*0.0279*		mg/Kg wet	0.0283		98.5		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0280*		mg/Kg wet	0.0283		98.8		70-130				
Batch B081079 - SW-846 5035												
Blank (B081079-BLK1)				Prepared & Analyzed: 09/18/13								
Acetone	ND	0.10	mg/Kg wet									V-05
tert-Amyl Methyl Ether (TAME)	ND	0.0020	mg/Kg wet									V-05
Benzene	ND	0.0020	mg/Kg wet									
Bromobenzene	ND	0.0020	mg/Kg wet									
Bromochloromethane	ND	0.0020	mg/Kg wet									
Bromodichloromethane	ND	0.0020	mg/Kg wet									
Bromoform	ND	0.010	mg/Kg wet									
Bromomethane	ND	0.010	mg/Kg wet									
2-Butanone (MEK)	ND	0.040	mg/Kg wet									V-05
n-Butylbenzene	ND	0.0040	mg/Kg wet									
sec-Butylbenzene	ND	0.0020	mg/Kg wet									
tert-Butylbenzene	ND	0.0020	mg/Kg wet									
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet									V-05
Carbon Disulfide	ND	0.0060	mg/Kg wet									
Carbon Tetrachloride	ND	0.0040	mg/Kg wet									
Chlorobenzene	ND	0.0020	mg/Kg wet									
Chlorodibromomethane	ND	0.010	mg/Kg wet									
Chloroethane	ND	0.010	mg/Kg wet									
Chloroform	ND	0.0040	mg/Kg wet									
Chloromethane	ND	0.010	mg/Kg wet									
2-Chlorotoluene	ND	0.0020	mg/Kg wet									
4-Chlorotoluene	ND	0.0020	mg/Kg wet									
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.010	mg/Kg wet									
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet									
Dibromomethane	ND	0.0020	mg/Kg wet									
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet									
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet									

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081079 - SW-846 5035										
Blank (B081079-BLK1)				Prepared & Analyzed: 09/18/13						
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0040	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet							V-05
Diethyl Ether	ND	0.010	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.20	mg/Kg wet							V-05, V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0040	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							V-05
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.010	mg/Kg wet							V-05, L-04
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							V-05
Naphthalene	ND	0.010	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.010	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-05
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.010	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.010	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0506*		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	*0.0485*		mg/Kg wet	0.0500		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0423*		mg/Kg wet	0.0500		84.7	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B081079 - SW-846 5035												
LCS (B081079-BS1)				Prepared & Analyzed: 09/18/13								
Acetone	0.167	0.10	mg/Kg wet	0.200		83.6		40-160			V-05	†
tert-Amyl Methyl Ether (TAME)	0.0169	0.0020	mg/Kg wet	0.0200		84.5		70-130			V-05	
Benzene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130				
Bromobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101		70-130				
Bromochloromethane	0.0239	0.0020	mg/Kg wet	0.0200		120		70-130				
Bromodichloromethane	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130				
Bromoform	0.0199	0.010	mg/Kg wet	0.0200		99.4		70-130				
Bromomethane	0.0183	0.010	mg/Kg wet	0.0200		91.4		40-160				†
2-Butanone (MEK)	0.162	0.040	mg/Kg wet	0.200		81.0		40-160			V-05	†
n-Butylbenzene	0.0224	0.0040	mg/Kg wet	0.0200		112		70-130				
sec-Butylbenzene	0.0242	0.0020	mg/Kg wet	0.0200		121		70-130				
tert-Butylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		111		70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0181	0.0010	mg/Kg wet	0.0200		90.5		70-130			V-05	
Carbon Disulfide	0.0275	0.0060	mg/Kg wet	0.0200		**138**	*	70-130			L-02, V-20	
Carbon Tetrachloride	0.0246	0.0040	mg/Kg wet	0.0200		123		70-130				
Chlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130				
Chlorodibromomethane	0.0204	0.010	mg/Kg wet	0.0200		102		70-130				
Chloroethane	0.0268	0.010	mg/Kg wet	0.0200		**134**	*	70-130			L-02	
Chloroform	0.0230	0.0040	mg/Kg wet	0.0200		115		70-130				
Chloromethane	0.0202	0.010	mg/Kg wet	0.0200		101		40-160				†
2-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130				
4-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0205	0.010	mg/Kg wet	0.0200		103		70-130				
1,2-Dibromoethane (EDB)	0.0197	0.0020	mg/Kg wet	0.0200		98.4		70-130				
Dibromomethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
1,2-Dichlorobenzene	0.0207	0.0020	mg/Kg wet	0.0200		103		70-130				
1,3-Dichlorobenzene	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130				
1,4-Dichlorobenzene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130				
Dichlorodifluoromethane (Freon 12)	0.0193	0.010	mg/Kg wet	0.0200		96.7		40-160				†
1,1-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130				
1,2-Dichloroethane	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130				
1,1-Dichloroethylene	0.0274	0.0040	mg/Kg wet	0.0200		**137**	*	70-130			L-02	
cis-1,2-Dichloroethylene	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130				
trans-1,2-Dichloroethylene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130				
1,2-Dichloropropane	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130				
1,3-Dichloropropane	0.0204	0.0010	mg/Kg wet	0.0200		102		70-130				
2,2-Dichloropropane	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130				
1,1-Dichloropropene	0.0237	0.0020	mg/Kg wet	0.0200		118		70-130				
cis-1,3-Dichloropropene	0.0178	0.0040	mg/Kg wet	0.0200		89.2		70-130				
trans-1,3-Dichloropropene	0.0175	0.010	mg/Kg wet	0.0200		87.7		70-130			V-05	
Diethyl Ether	0.0218	0.010	mg/Kg wet	0.0200		109		70-130				
Diisopropyl Ether (DIPE)	0.0232	0.0010	mg/Kg wet	0.0200		116		70-130				
1,4-Dioxane	0.176	0.20	mg/Kg wet	0.200		88.0		40-160			V-05, V-16	†
Ethylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130				
Hexachlorobutadiene	0.0210	0.0040	mg/Kg wet	0.0200		105		70-130				
2-Hexanone (MBK)	0.163	0.020	mg/Kg wet	0.200		81.5		40-160			V-05	†
Isopropylbenzene (Cumene)	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130				
p-Isopropyltoluene (p-Cymene)	0.0240	0.0020	mg/Kg wet	0.0200		120		70-130				
Methyl tert-Butyl Ether (MTBE)	0.0193	0.0040	mg/Kg wet	0.0200		96.7		70-130				
Methylene Chloride	0.00960	0.010	mg/Kg wet	0.0200		**48.0**	*	70-130			L-04, V-05	
4-Methyl-2-pentanone (MIBK)	0.169	0.020	mg/Kg wet	0.200		84.7		40-160			V-05	†
Naphthalene	0.0206	0.010	mg/Kg wet	0.0200		103		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B081079 - SW-846 5035												
LCS (B081079-BS1)				Prepared & Analyzed: 09/18/13								
n-Propylbenzene	0.0240	0.0020	mg/Kg wet	0.0200		120		70-130				
Styrene	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130				
1,1,1,2-Tetrachloroethane	0.0212	0.010	mg/Kg wet	0.0200		106		70-130				
1,1,2,2-Tetrachloroethane	0.0219	0.0010	mg/Kg wet	0.0200		109		70-130				
Tetrachloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
Tetrahydrofuran	0.0171	0.010	mg/Kg wet	0.0200		85.6		70-130			V-05	
Toluene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130				
1,2,3-Trichlorobenzene	0.0198	0.010	mg/Kg wet	0.0200		99.0		70-130				
1,2,4-Trichlorobenzene	0.0192	0.010	mg/Kg wet	0.0200		96.1		70-130				
1,1,1-Trichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
1,1,2-Trichloroethane	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130				
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
Trichlorofluoromethane (Freon 11)	0.0283	0.010	mg/Kg wet	0.0200		**142**	*	70-130			L-02	
1,2,3-Trichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130				
1,2,4-Trimethylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		112		70-130				
1,3,5-Trimethylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130				
Vinyl Chloride	0.0229	0.010	mg/Kg wet	0.0200		114		70-130				
m+p Xylene	0.0450	0.0040	mg/Kg wet	0.0400		112		70-130				
o-Xylene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0477*		mg/Kg wet	0.0500		95.4		70-130				
Surrogate: Toluene-d8	*0.0502*		mg/Kg wet	0.0500		100		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0478*		mg/Kg wet	0.0500		95.6		70-130				
LCS Dup (B081079-BSD1)				Prepared & Analyzed: 09/18/13								
Acetone	0.177	0.10	mg/Kg wet	0.200		88.4		40-160	5.61	20	V-05	†
tert-Amyl Methyl Ether (TAME)	0.0170	0.0020	mg/Kg wet	0.0200		85.0		70-130	0.590	20	V-05	
Benzene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130	1.97	20		
Bromobenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8		70-130	1.49	20		
Bromochloromethane	0.0242	0.0020	mg/Kg wet	0.0200		121		70-130	0.998	20		
Bromodichloromethane	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	2.11	20		
Bromoform	0.0196	0.010	mg/Kg wet	0.0200		98.1		70-130	1.32	20		
Bromomethane	0.0201	0.010	mg/Kg wet	0.0200		100		40-160	9.29	20		†
2-Butanone (MEK)	0.165	0.040	mg/Kg wet	0.200		82.3		40-160	1.60	20	V-05	†
n-Butylbenzene	0.0221	0.0040	mg/Kg wet	0.0200		111		70-130	1.26	20		
sec-Butylbenzene	0.0240	0.0020	mg/Kg wet	0.0200		120		70-130	0.498	20		
tert-Butylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	1.08	20		
tert-Butyl Ethyl Ether (TBEE)	0.0184	0.0010	mg/Kg wet	0.0200		91.8		70-130	1.43	20	V-05	
Carbon Disulfide	0.0278	0.0060	mg/Kg wet	0.0200		**139**	*	70-130	1.08	20	L-02, V-20	
Carbon Tetrachloride	0.0251	0.0040	mg/Kg wet	0.0200		125		70-130	1.77	20		
Chlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130	1.14	20		
Chlorodibromomethane	0.0202	0.010	mg/Kg wet	0.0200		101		70-130	0.987	20		
Chloroethane	0.0272	0.010	mg/Kg wet	0.0200		**136**	*	70-130	1.56	20	L-02	
Chloroform	0.0234	0.0040	mg/Kg wet	0.0200		117		70-130	1.64	20		
Chloromethane	0.0208	0.010	mg/Kg wet	0.0200		104		40-160	2.73	20		†
2-Chlorotoluene	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130	0.464	20		
4-Chlorotoluene	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130	1.01	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0194	0.010	mg/Kg wet	0.0200		97.0		70-130	5.61	20		
1,2-Dibromoethane (EDB)	0.0192	0.0020	mg/Kg wet	0.0200		95.9		70-130	2.57	20		
Dibromomethane	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130	1.71	20		
1,2-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101		70-130	1.86	20		
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130	3.00	20		
1,4-Dichlorobenzene	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130	1.92	20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B081079 - SW-846 5035												
LCS Dup (B081079-BSD1)				Prepared & Analyzed: 09/18/13								
Dichlorodifluoromethane (Freon 12)	0.0197	0.010	mg/Kg wet	0.0200		98.6		40-160	1.95	20		†
1,1-Dichloroethane	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130	3.33	20		
1,2-Dichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130	2.25	20		
1,1-Dichloroethylene	0.0279	0.0040	mg/Kg wet	0.0200		**140**	*	70-130	2.10	20	L-02	
cis-1,2-Dichloroethylene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130	1.54	20		
trans-1,2-Dichloroethylene	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130	2.21	20		
1,2-Dichloropropane	0.0223	0.0020	mg/Kg wet	0.0200		112		70-130	0.357	20		
1,3-Dichloropropane	0.0204	0.0010	mg/Kg wet	0.0200		102		70-130	0.0982	20		
2,2-Dichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130	1.18	20		
1,1-Dichloropropene	0.0240	0.0020	mg/Kg wet	0.0200		120		70-130	1.51	20		
cis-1,3-Dichloropropene	0.0174	0.0040	mg/Kg wet	0.0200		87.0		70-130	2.50	20		
trans-1,3-Dichloropropene	0.0172	0.010	mg/Kg wet	0.0200		86.0		70-130	1.96	20	V-05	
Diethyl Ether	0.0219	0.010	mg/Kg wet	0.0200		110		70-130	0.641	20		
Diisopropyl Ether (DIPE)	0.0237	0.0010	mg/Kg wet	0.0200		118		70-130	1.96	20		
1,4-Dioxane	0.150	0.20	mg/Kg wet	0.200		75.0		40-160	15.9	20	V-05, V-16	†
Ethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130	0.266	20		
Hexachlorobutadiene	0.0215	0.0040	mg/Kg wet	0.0200		107		70-130	1.98	20		
2-Hexanone (MBK)	0.156	0.020	mg/Kg wet	0.200		78.1		40-160	4.27	20	V-05	†
Isopropylbenzene (Cumene)	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130	0.640	20		
p-Isopropyltoluene (p-Cymene)	0.0239	0.0020	mg/Kg wet	0.0200		120		70-130	0.167	20		
Methyl tert-Butyl Ether (MTBE)	0.0197	0.0040	mg/Kg wet	0.0200		98.7		70-130	2.05	20		
Methylene Chloride	0.0101	0.010	mg/Kg wet	0.0200		**50.4**	*	70-130	4.88	20	L-04, V-05	
4-Methyl-2-pentanone (MIBK)	0.163	0.020	mg/Kg wet	0.200		81.6		40-160	3.68	20	V-05	†
Naphthalene	0.0203	0.010	mg/Kg wet	0.0200		101		70-130	1.57	20		
n-Propylbenzene	0.0239	0.0020	mg/Kg wet	0.0200		120		70-130	0.584	20		
Styrene	0.0227	0.0020	mg/Kg wet	0.0200		114		70-130	0.964	20		
1,1,1,2-Tetrachloroethane	0.0205	0.010	mg/Kg wet	0.0200		102		70-130	3.36	20		
1,1,2,2-Tetrachloroethane	0.0215	0.0010	mg/Kg wet	0.0200		107		70-130	1.85	20		
Tetrachloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	0.780	20		
Tetrahydrofuran	0.0165	0.010	mg/Kg wet	0.0200		82.4		70-130	3.81	20	V-05	
Toluene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130	1.13	20		
1,2,3-Trichlorobenzene	0.0193	0.010	mg/Kg wet	0.0200		96.5		70-130	2.56	20		
1,2,4-Trichlorobenzene	0.0188	0.010	mg/Kg wet	0.0200		94.2		70-130	2.00	20		
1,1,1-Trichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	3.07	20		
1,1,2-Trichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130	2.22	20		
Trichloroethylene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130	2.13	20		
Trichlorofluoromethane (Freon 11)	0.0295	0.010	mg/Kg wet	0.0200		**148**	*	70-130	4.15	20	L-02	
1,2,3-Trichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.6		70-130	5.96	20		
1,2,4-Trimethylbenzene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130	0.719	20		
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130	2.08	20		
Vinyl Chloride	0.0232	0.010	mg/Kg wet	0.0200		116		70-130	1.48	20		
m+p Xylene	0.0447	0.0040	mg/Kg wet	0.0400		112		70-130	0.625	20		
o-Xylene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130	1.85	20		
Surrogate: 1,2-Dichloroethane-d4	*0.0477*		mg/Kg wet	0.0500		95.3		70-130				
Surrogate: Toluene-d8	*0.0495*		mg/Kg wet	0.0500		99.1		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0470*		mg/Kg wet	0.0500		94.0		70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081063 - SW-846 3546										
Blank (B081063-BLK1)				Prepared: 09/18/13 Analyzed: 09/19/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-04, V-20
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							V-20
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							V-20
Di-n-octylphthalate	ND	0.67	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							V-20
2-Nitrophenol	ND	0.34	mg/Kg wet							V-20
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							V-05
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B081063 - SW-846 3546											
Blank (B081063-BLK1)				Prepared: 09/18/13 Analyzed: 09/19/13							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*6.26*		mg/Kg wet	6.67		94.0	30-130				
Surrogate: Phenol-d6	*6.18*		mg/Kg wet	6.67		92.7	30-130				
Surrogate: Nitrobenzene-d5	*4.00*		mg/Kg wet	3.33		120	30-130				
Surrogate: 2-Fluorobiphenyl	*3.16*		mg/Kg wet	3.33		94.9	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.18*		mg/Kg wet	6.67		92.8	30-130				
Surrogate: p-Terphenyl-d14	*3.75*		mg/Kg wet	3.33		113	30-130				
LCS (B081063-BS1)				Prepared: 09/18/13 Analyzed: 09/19/13							
Acenaphthene	1.64	0.17	mg/Kg wet	1.67		98.6	40-140				
Acenaphthylene	1.66	0.17	mg/Kg wet	1.67		99.4	40-140				
Acetophenone	1.57	0.34	mg/Kg wet	1.67		94.3	40-140				
Aniline	1.41	0.34	mg/Kg wet	1.67		84.3	40-140				
Anthracene	1.69	0.17	mg/Kg wet	1.67		101	40-140				
Benzo(a)anthracene	1.71	0.17	mg/Kg wet	1.67		103	40-140				
Benzo(a)pyrene	1.68	0.17	mg/Kg wet	1.67		101	40-140				
Benzo(b)fluoranthene	1.62	0.17	mg/Kg wet	1.67		97.1	40-140				
Benzo(g,h,i)perylene	1.76	0.17	mg/Kg wet	1.67		106	40-140				
Benzo(k)fluoranthene	1.58	0.17	mg/Kg wet	1.67		94.9	40-140				
Bis(2-chloroethoxy)methane	1.70	0.34	mg/Kg wet	1.67		102	40-140				
Bis(2-chloroethyl)ether	1.61	0.34	mg/Kg wet	1.67		96.3	40-140				
Bis(2-chloroisopropyl)ether	1.44	0.34	mg/Kg wet	1.67		86.7	40-140				
Bis(2-Ethylhexyl)phthalate	1.84	0.34	mg/Kg wet	1.67		110	40-140				
4-Bromophenylphenylether	1.81	0.34	mg/Kg wet	1.67		108	40-140				
Butylbenzylphthalate	1.86	0.34	mg/Kg wet	1.67		112	40-140				
4-Chloroaniline	1.64	0.66	mg/Kg wet	1.67		98.2	15-140				†
2-Chloronaphthalene	1.50	0.34	mg/Kg wet	1.67		90.2	40-140				
2-Chlorophenol	1.58	0.34	mg/Kg wet	1.67		95.0	30-130				
Chrysene	1.65	0.17	mg/Kg wet	1.67		98.8	40-140				
Dibenz(a,h)anthracene	1.78	0.17	mg/Kg wet	1.67		107	40-140				
Dibenzofuran	1.69	0.34	mg/Kg wet	1.67		102	40-140				
Di-n-butylphthalate	1.76	0.34	mg/Kg wet	1.67		106	40-140				
1,2-Dichlorobenzene	1.42	0.34	mg/Kg wet	1.67		85.3	40-140				
1,3-Dichlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140				
1,4-Dichlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.6	40-140				
3,3-Dichlorobenzidine	1.73	0.17	mg/Kg wet	1.67		104	40-140				
2,4-Dichlorophenol	1.64	0.34	mg/Kg wet	1.67		98.3	30-130				
Diethylphthalate	1.74	0.34	mg/Kg wet	1.67		104	40-140				
2,4-Dimethylphenol	1.79	0.34	mg/Kg wet	1.67		107	30-130				
Dimethylphthalate	1.73	0.34	mg/Kg wet	1.67		104	40-140				
2,4-Dinitrophenol	0.696	0.66	mg/Kg wet	1.67		41.8	15-140			V-04, V-06	†
2,4-Dinitrotoluene	2.04	0.34	mg/Kg wet	1.67		123	40-140			V-06	
2,6-Dinitrotoluene	2.00	0.34	mg/Kg wet	1.67		120	40-140			V-06	
Di-n-octylphthalate	1.78	0.67	mg/Kg wet	1.67		107	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.83	0.34	mg/Kg wet	1.67		110	40-140				
Fluoranthene	1.61	0.17	mg/Kg wet	1.67		96.8	40-140				
Fluorene	1.65	0.17	mg/Kg wet	1.67		99.1	40-140				
Hexachlorobenzene	1.82	0.34	mg/Kg wet	1.67		109	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B081063 - SW-846 3546											
LCS (B081063-BS1)				Prepared: 09/18/13 Analyzed: 09/19/13							
Hexachlorobutadiene	1.54	0.34	mg/Kg wet	1.67		92.5	40-140				
Hexachloroethane	1.44	0.34	mg/Kg wet	1.67		86.5	40-140				
Indeno(1,2,3-cd)pyrene	1.80	0.17	mg/Kg wet	1.67		108	40-140				
Isophorone	1.67	0.34	mg/Kg wet	1.67		100	40-140				
2-Methylnaphthalene	1.56	0.17	mg/Kg wet	1.67		93.5	40-140				
2-Methylphenol	1.60	0.34	mg/Kg wet	1.67		95.8	30-130				
3/4-Methylphenol	1.58	0.34	mg/Kg wet	1.67		95.0	30-130				
Naphthalene	1.51	0.17	mg/Kg wet	1.67		90.4	40-140				
Nitrobenzene	1.76	0.34	mg/Kg wet	1.67		106	40-140			V-06	
2-Nitrophenol	1.81	0.34	mg/Kg wet	1.67		109	30-130			V-06	
4-Nitrophenol	1.73	0.66	mg/Kg wet	1.67		104	15-140				†
Pentachlorophenol	0.952	0.34	mg/Kg wet	1.67		57.1	30-130			V-05	
Phenanthrene	1.68	0.17	mg/Kg wet	1.67		101	40-140				
Phenol	1.44	0.34	mg/Kg wet	1.67		86.5	15-140				†
Pyrene	1.92	0.17	mg/Kg wet	1.67		115	40-140				
1,2,4-Trichlorobenzene	1.53	0.34	mg/Kg wet	1.67		91.9	40-140				
2,4,5-Trichlorophenol	1.60	0.34	mg/Kg wet	1.67		96.2	30-130				
2,4,6-Trichlorophenol	1.63	0.34	mg/Kg wet	1.67		97.7	30-130				
Surrogate: 2-Fluorophenol	*6.00*		mg/Kg wet	6.67		90.1	30-130				
Surrogate: Phenol-d6	*5.90*		mg/Kg wet	6.67		88.6	30-130				
Surrogate: Nitrobenzene-d5	*3.78*		mg/Kg wet	3.33		113	30-130				
Surrogate: 2-Fluorobiphenyl	*3.13*		mg/Kg wet	3.33		94.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.07*		mg/Kg wet	6.67		106	30-130				
Surrogate: p-Terphenyl-d14	*3.77*		mg/Kg wet	3.33		113	30-130				
LCS Dup (B081063-BSD1)				Prepared: 09/18/13 Analyzed: 09/19/13							
Acenaphthene	1.65	0.17	mg/Kg wet	1.67		99.1	40-140	0.486	30		
Acenaphthylene	1.68	0.17	mg/Kg wet	1.67		101	40-140	1.58	30		
Acetophenone	1.52	0.34	mg/Kg wet	1.67		91.1	40-140	3.50	30		
Aniline	1.40	0.34	mg/Kg wet	1.67		84.2	40-140	0.166	30		
Anthracene	1.75	0.17	mg/Kg wet	1.67		105	40-140	3.38	30		
Benzo(a)anthracene	1.75	0.17	mg/Kg wet	1.67		105	40-140	2.54	30		
Benzo(a)pyrene	1.70	0.17	mg/Kg wet	1.67		102	40-140	1.22	30		
Benzo(b)fluoranthene	1.65	0.17	mg/Kg wet	1.67		98.9	40-140	1.84	30		
Benzo(g,h,i)perylene	1.80	0.17	mg/Kg wet	1.67		108	40-140	2.21	30		
Benzo(k)fluoranthene	1.59	0.17	mg/Kg wet	1.67		95.4	40-140	0.568	30		
Bis(2-chloroethoxy)methane	1.67	0.34	mg/Kg wet	1.67		100	40-140	1.54	30		
Bis(2-chloroethyl)ether	1.56	0.34	mg/Kg wet	1.67		93.3	40-140	3.14	30		
Bis(2-chloroisopropyl)ether	1.43	0.34	mg/Kg wet	1.67		85.6	40-140	1.21	30		
Bis(2-Ethylhexyl)phthalate	1.84	0.34	mg/Kg wet	1.67		110	40-140	0.181	30		
4-Bromophenylphenylether	1.78	0.34	mg/Kg wet	1.67		107	40-140	1.28	30		
Butylbenzylphthalate	1.87	0.34	mg/Kg wet	1.67		112	40-140	0.732	30		
4-Chloroaniline	1.64	0.66	mg/Kg wet	1.67		98.2	15-140	0.0203	30		†
2-Chloronaphthalene	1.50	0.34	mg/Kg wet	1.67		90.0	40-140	0.222	30		
2-Chlorophenol	1.55	0.34	mg/Kg wet	1.67		93.1	30-130	2.00	30		
Chrysene	1.67	0.17	mg/Kg wet	1.67		100	40-140	1.25	30		
Dibenz(a,h)anthracene	1.80	0.17	mg/Kg wet	1.67		108	40-140	1.04	30		
Dibenzofuran	1.72	0.34	mg/Kg wet	1.67		103	40-140	1.58	30		
Di-n-butylphthalate	1.83	0.34	mg/Kg wet	1.67		110	40-140	3.66	30		
1,2-Dichlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.9	40-140	0.564	30		
1,3-Dichlorobenzene	1.40	0.34	mg/Kg wet	1.67		83.9	40-140	0.502	30		
1,4-Dichlorobenzene	1.40	0.34	mg/Kg wet	1.67		84.2	40-140	0.763	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B081063 - SW-846 3546											
LCS Dup (B081063-BSD1)				Prepared: 09/18/13 Analyzed: 09/19/13							
3,3-Dichlorobenzidine	1.76	0.17	mg/Kg wet	1.67		106	40-140	2.10	30		
2,4-Dichlorophenol	1.65	0.34	mg/Kg wet	1.67		99.1	30-130	0.750	30		
Diethylphthalate	1.79	0.34	mg/Kg wet	1.67		107	40-140	2.95	30		
2,4-Dimethylphenol	1.75	0.34	mg/Kg wet	1.67		105	30-130	2.34	30		
Dimethylphthalate	1.75	0.34	mg/Kg wet	1.67		105	40-140	1.49	30		
2,4-Dinitrophenol	0.685	0.66	mg/Kg wet	1.67		41.1	15-140	1.69	30	V-04, V-06	†
2,4-Dinitrotoluene	2.16	0.34	mg/Kg wet	1.67		130	40-140	5.77	30	V-06	
2,6-Dinitrotoluene	2.11	0.34	mg/Kg wet	1.67		126	40-140	5.17	30	V-06	
Di-n-octylphthalate	1.75	0.67	mg/Kg wet	1.67		105	40-140	1.72	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.82	0.34	mg/Kg wet	1.67		109	40-140	0.366	30		
Fluoranthene	1.69	0.17	mg/Kg wet	1.67		102	40-140	4.70	30		
Fluorene	1.70	0.17	mg/Kg wet	1.67		102	40-140	2.92	30		
Hexachlorobenzene	1.79	0.34	mg/Kg wet	1.67		108	40-140	1.51	30		
Hexachlorobutadiene	1.53	0.34	mg/Kg wet	1.67		91.8	40-140	0.694	30		
Hexachloroethane	1.45	0.34	mg/Kg wet	1.67		86.7	40-140	0.254	30		
Indeno(1,2,3-cd)pyrene	1.85	0.17	mg/Kg wet	1.67		111	40-140	2.41	30		
Isophorone	1.67	0.34	mg/Kg wet	1.67		100	40-140	0.140	30		
2-Methylnaphthalene	1.55	0.17	mg/Kg wet	1.67		93.3	40-140	0.214	30		
2-Methylphenol	1.50	0.34	mg/Kg wet	1.67		90.3	30-130	5.98	30		
3/4-Methylphenol	1.39	0.34	mg/Kg wet	1.67		83.2	30-130	13.3	30		
Naphthalene	1.51	0.17	mg/Kg wet	1.67		90.7	40-140	0.331	30		
Nitrobenzene	1.78	0.34	mg/Kg wet	1.67		107	40-140	1.07	30	V-06	
2-Nitrophenol	1.83	0.34	mg/Kg wet	1.67		110	30-130	0.933	30	V-06	
4-Nitrophenol	2.00	0.66	mg/Kg wet	1.67		120	15-140	14.6	30		†
Pentachlorophenol	0.939	0.34	mg/Kg wet	1.67		56.3	30-130	1.37	30	V-05	
Phenanthrene	1.72	0.17	mg/Kg wet	1.67		103	40-140	2.25	30		
Phenol	1.47	0.34	mg/Kg wet	1.67		88.1	15-140	1.90	30		†
Pyrene	1.93	0.17	mg/Kg wet	1.67		116	40-140	0.606	30		
1,2,4-Trichlorobenzene	1.54	0.34	mg/Kg wet	1.67		92.3	40-140	0.413	30		
2,4,5-Trichlorophenol	1.64	0.34	mg/Kg wet	1.67		98.5	30-130	2.44	30		
2,4,6-Trichlorophenol	1.67	0.34	mg/Kg wet	1.67		100	30-130	2.39	30		
Surrogate: 2-Fluorophenol	*6.00*		mg/Kg wet	6.67		90.0	30-130				
Surrogate: Phenol-d6	*5.74*		mg/Kg wet	6.67		86.0	30-130				
Surrogate: Nitrobenzene-d5	*3.79*		mg/Kg wet	3.33		114	30-130				
Surrogate: 2-Fluorobiphenyl	*3.07*		mg/Kg wet	3.33		92.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.48*		mg/Kg wet	6.67		112	30-130				
Surrogate: p-Terphenyl-d14	*3.72*		mg/Kg wet	3.33		112	30-130				
Matrix Spike Dup (B081063-MSD1)		**Source: 13I0548-05**		Prepared: 09/18/13 Analyzed: 09/19/13							
Acenaphthene	1.46	0.18	mg/Kg dry	1.81	ND	80.7	40-140		30		
Acenaphthylene	1.48	0.18	mg/Kg dry	1.81	ND	81.6	40-140		30		
Acetophenone	1.77	0.37	mg/Kg dry	1.81	ND	97.4	40-140		30		
Aniline	1.16	0.37	mg/Kg dry	1.81	ND	63.9	40-140		30		
Anthracene	1.54	0.18	mg/Kg dry	1.81	ND	85.2	40-140		30		
Benzo(a)anthracene	1.55	0.18	mg/Kg dry	1.81	ND	85.2	40-140		30		
Benzo(a)pyrene	1.49	0.18	mg/Kg dry	1.81	ND	82.2	40-140		30		
Benzo(b)fluoranthene	1.32	0.18	mg/Kg dry	1.81	ND	72.6	40-140		30		
Benzo(g,h,i)perylene	1.48	0.18	mg/Kg dry	1.81	ND	81.9	40-140		30		
Benzo(k)fluoranthene	1.27	0.18	mg/Kg dry	1.81	ND	69.8	40-140		30		
Bis(2-chloroethoxy)methane	1.46	0.37	mg/Kg dry	1.81	ND	80.5	40-140		30		
Bis(2-chloroethyl)ether	1.40	0.37	mg/Kg dry	1.81	ND	77.4	40-140		30		
Bis(2-chloroisopropyl)ether	1.13	0.37	mg/Kg dry	1.81	ND	62.5	40-140		30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081063 - SW-846 3546										
Matrix Spike Dup (B081063-MSD1)		**Source: 13I0548-05**		Prepared: 09/18/13 Analyzed: 09/19/13						
Bis(2-Ethylhexyl)phthalate	1.63	0.37	mg/Kg dry	1.81	ND	89.7	40-140		30	
4-Bromophenylphenylether	1.63	0.37	mg/Kg dry	1.81	ND	89.9	40-140		30	
Butylbenzylphthalate	1.73	0.37	mg/Kg dry	1.81	ND	95.1	40-140		30	
4-Chloroaniline	1.39	0.72	mg/Kg dry	1.81	ND	76.7	40-140		30	
2-Chloronaphthalene	1.43	0.37	mg/Kg dry	1.81	ND	78.9	40-140		30	
2-Chlorophenol	1.33	0.37	mg/Kg dry	1.81	ND	73.4	30-130		30	
Chrysene	1.46	0.18	mg/Kg dry	1.81	ND	80.4	40-140		30	
Dibenz(a,h)anthracene	1.55	0.18	mg/Kg dry	1.81	ND	85.6	40-140		30	
Dibenzofuran	1.49	0.37	mg/Kg dry	1.81	ND	82.2	40-140		30	
Di-n-butylphthalate	1.62	0.37	mg/Kg dry	1.81	ND	89.3	40-140		30	
1,2-Dichlorobenzene	1.17	0.37	mg/Kg dry	1.81	ND	64.3	40-140		30	
1,3-Dichlorobenzene	1.16	0.37	mg/Kg dry	1.81	ND	63.9	40-140		30	
1,4-Dichlorobenzene	1.14	0.37	mg/Kg dry	1.81	ND	62.9	40-140		30	
3,3-Dichlorobenzidine	1.65	0.18	mg/Kg dry	1.81	ND	91.2	40-140		30	
2,4-Dichlorophenol	1.52	0.37	mg/Kg dry	1.81	ND	84.1	30-130		30	
Diethylphthalate	1.51	0.37	mg/Kg dry	1.81	ND	83.3	40-140		30	
2,4-Dimethylphenol	1.61	0.37	mg/Kg dry	1.81	ND	88.8	30-130		30	
Dimethylphthalate	1.53	0.37	mg/Kg dry	1.81	ND	84.4	40-140		30	
2,4-Dinitrophenol	0.968	0.72	mg/Kg dry	1.81	ND	53.4	30-130		30	V-04, V-06
2,4-Dinitrotoluene	1.78	0.37	mg/Kg dry	1.81	ND	98.0	40-140		30	V-06
2,6-Dinitrotoluene	1.81	0.37	mg/Kg dry	1.81	ND	99.6	40-140		30	V-06
Di-n-octylphthalate	1.26	0.73	mg/Kg dry	1.81	ND	69.4	40-140		30	
1,2-Diphenylhydrazine (as Azobenzene)	1.64	0.37	mg/Kg dry	1.81	ND	90.6	40-140		30	
Fluoranthene	1.46	0.18	mg/Kg dry	1.81	ND	80.3	40-140		30	
Fluorene	1.44	0.18	mg/Kg dry	1.81	ND	79.5	40-140		30	
Hexachlorobenzene	1.62	0.37	mg/Kg dry	1.81	ND	89.5	40-140		30	
Hexachlorobutadiene	1.40	0.37	mg/Kg dry	1.81	ND	77.5	40-140		30	
Hexachloroethane	1.31	0.37	mg/Kg dry	1.81	ND	72.5	40-140		30	
Indeno(1,2,3-cd)pyrene	1.58	0.18	mg/Kg dry	1.81	ND	87.2	40-140		30	
Isophorone	1.52	0.37	mg/Kg dry	1.81	ND	83.7	40-140		30	
2-Methylnaphthalene	1.67	0.18	mg/Kg dry	1.81	0.155	83.4	40-140		30	
2-Methylphenol	1.31	0.37	mg/Kg dry	1.81	ND	72.1	30-130		30	
3/4-Methylphenol	1.13	0.37	mg/Kg dry	1.81	ND	62.1	30-130		30	
Naphthalene	1.40	0.18	mg/Kg dry	1.81	ND	77.3	40-140		30	
Nitrobenzene	1.49	0.37	mg/Kg dry	1.81	ND	82.3	40-140		30	V-06
2-Nitrophenol	1.59	0.37	mg/Kg dry	1.81	ND	87.8	30-130		30	V-06
4-Nitrophenol	1.61	0.72	mg/Kg dry	1.81	ND	89.0	30-130		30	
Pentachlorophenol	0.964	0.37	mg/Kg dry	1.81	ND	53.2	30-130		30	V-05
Phenanthrene	1.55	0.18	mg/Kg dry	1.81	ND	85.7	40-140		30	
Phenol	1.42	0.37	mg/Kg dry	1.81	ND	78.2	30-130		30	
Pyrene	1.83	0.18	mg/Kg dry	1.81	ND	101	40-140		30	
1,2,4-Trichlorobenzene	1.37	0.37	mg/Kg dry	1.81	ND	75.5	40-140		30	
2,4,5-Trichlorophenol	1.44	0.37	mg/Kg dry	1.81	ND	79.7	30-130		30	
2,4,6-Trichlorophenol	1.54	0.37	mg/Kg dry	1.81	ND	84.8	30-130		30	
Surrogate: 2-Fluorophenol	*5.59*		mg/Kg dry	7.25		77.1	30-130			
Surrogate: Phenol-d6	*5.44*		mg/Kg dry	7.25		75.0	30-130			
Surrogate: Nitrobenzene-d5	*3.52*		mg/Kg dry	3.63		97.0	30-130			
Surrogate: 2-Fluorobiphenyl	*3.07*		mg/Kg dry	3.63		84.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.30*		mg/Kg dry	7.25		86.9	30-130			
Surrogate: p-Terphenyl-d14	*3.63*		mg/Kg dry	3.63		100	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081064 - SW-846 3546										
Blank (B081064-BLK1)				Prepared: 09/18/13 Analyzed: 09/19/13						
TPH (C9-C36)	ND	8.3	mg/Kg wet							
Surrogate: o-Terphenyl	*2.81*		mg/Kg wet	3.33		84.3	40-140			
LCS (B081064-BS1)				Prepared: 09/18/13 Analyzed: 09/19/13						
TPH (C9-C36)	30.9	8.3	mg/Kg wet	33.3		92.7	40-140			
Surrogate: o-Terphenyl	*3.09*		mg/Kg wet	3.33		92.7	40-140			
LCS Dup (B081064-BSD1)				Prepared: 09/18/13 Analyzed: 09/19/13						
TPH (C9-C36)	29.4	8.3	mg/Kg wet	33.3		88.1	40-140	5.14	30	
Surrogate: o-Terphenyl	*2.98*		mg/Kg wet	3.33		89.5	40-140			
Matrix Spike (B081064-MS1)	**Source: 13I0548-05**			Prepared: 09/18/13 Analyzed: 09/19/13						
TPH (C9-C36)	109	9.0	mg/Kg dry	35.9	84.6	66.8	40-140			
Surrogate: o-Terphenyl	*3.17*		mg/Kg dry	3.59		88.3	40-140			
Matrix Spike Dup (B081064-MSD1)	**Source: 13I0548-05**			Prepared: 09/18/13 Analyzed: 09/19/13						
TPH (C9-C36)	127	9.0	mg/Kg dry	35.9	84.6	118	40-140	15.6	30	
Surrogate: o-Terphenyl	*2.86*		mg/Kg dry	3.59		79.7	40-140			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080991 - SW-846 3050B										
Blank (B080991-BLK1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Arsenic	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
LCS (B080991-BS1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Arsenic	212	5.0	mg/Kg wet	182		117	83-117.6			
Cadmium	69.7	0.50	mg/Kg wet	60.4		115	83.1-116.9			
Chromium	137	1.0	mg/Kg wet	125		110	81.6-117.6			
Lead	147	1.5	mg/Kg wet	136		108	82.4-117.8			
LCS Dup (B080991-BSD1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Arsenic	212	5.0	mg/Kg wet	182		116	83-117.6	0.160	30	
Cadmium	70.3	0.50	mg/Kg wet	60.4		116	83.1-116.9	0.896	30	
Chromium	140	0.99	mg/Kg wet	125		112	81.6-117.6	2.23	30	
Lead	145	1.5	mg/Kg wet	136		107	82.4-117.8	1.16	30	
Duplicate (B080991-DUP1)	**Source: 13I0548-05**			Prepared: 09/17/13 Analyzed: 09/20/13						
Arsenic	ND	2.5	mg/Kg dry		ND			NC	35	
Cadmium	ND	0.25	mg/Kg dry		ND			NC	35	
Chromium	9.09	0.50	mg/Kg dry		12.2			29.0	35	
Lead	5.25	0.75	mg/Kg dry		6.72			24.6	35	
MRL Check (B080991-MRL1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Lead	0.717	0.70	mg/Kg wet	0.705		102	80-120			
Matrix Spike (B080991-MS1)	**Source: 13I0548-05**			Prepared: 09/17/13 Analyzed: 09/20/13						
Arsenic	23.4	2.5	mg/Kg dry	25.0	ND	93.4	75-125			
Cadmium	23.6	0.25	mg/Kg dry	25.0	ND	94.2	75-125			
Chromium	38.2	0.50	mg/Kg dry	25.0	12.2	104	75-125			
Lead	29.3	0.75	mg/Kg dry	25.0	6.72	90.4	75-125			
Matrix Spike Dup (B080991-MSD1)	**Source: 13I0548-05**			Prepared: 09/17/13 Analyzed: 09/20/13						
Arsenic	26.4	2.7	mg/Kg dry	27.2	ND	97.1	75-125	12.1	35	
Cadmium	26.3	0.27	mg/Kg dry	27.2	ND	96.7	75-125	10.8	35	
Chromium	40.9	0.54	mg/Kg dry	27.2	12.2	106	75-125	6.90	35	
Lead	32.5	0.81	mg/Kg dry	27.2	6.72	95.0	75-125	10.3	35	
Batch B081025 - SW-846 7471										
Blank (B081025-BLK1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Mercury	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081025 - SW-846 7471										
LCS (B081025-BS1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Mercury	3.83	0.33	mg/Kg wet	4.05		94.6	71.6-128.1			
LCS Dup (B081025-BSD1)				Prepared: 09/17/13 Analyzed: 09/18/13						
Mercury	4.27	0.33	mg/Kg wet	4.05		106	71.6-128.1	10.9	30	
Batch B081070 - SW-846 7471										
Blank (B081070-BLK1)				Prepared & Analyzed: 09/18/13						
Mercury	ND	0.025	mg/Kg wet							
LCS (B081070-BS1)				Prepared & Analyzed: 09/18/13						
Mercury	3.60	0.33	mg/Kg wet	4.05		88.8	71.6-128.1			
LCS Dup (B081070-BSD1)				Prepared & Analyzed: 09/18/13						
Mercury	3.58	0.33	mg/Kg wet	4.05		88.5	71.6-128.1	0.397	30	
Duplicate (B081070-DUP1)		**Source: 13I0548-05**		Prepared & Analyzed: 09/18/13						
Mercury	ND	0.027	mg/Kg dry		ND			NC	35	
Matrix Spike (B081070-MS1)		**Source: 13I0548-05**		Prepared & Analyzed: 09/18/13						
Mercury	0.181	0.027	mg/Kg dry	0.181	ND	100	75-125			
Matrix Spike Dup (B081070-MSD1)		**Source: 13I0548-05**		Prepared & Analyzed: 09/18/13						
Mercury	0.174	0.027	mg/Kg dry	0.181	ND	96.3	75-125	3.80	35	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081053 - SW-846 9045C										
LCS (B081053-BS1)				Prepared & Analyzed: 09/17/13						
pH	6.02		pH Units	6.00		100	99-102			
Batch B081054 - SW-846 9045C										
LCS (B081054-BS1)				Prepared & Analyzed: 09/18/13						
pH	5.99		pH Units	6.00		99.8	99-102			
Batch B081083 - % Solids										
Duplicate (B081083-DUP5)		**Source: 13I0548-05**		Prepared: 09/18/13 Analyzed: 09/19/13						
% Solids	90.9		% Wt		91.9			1.09	20	
Batch B081174 - SM18-20 2510B										
Blank (B081174-BLK1)				Prepared & Analyzed: 09/19/13						
Specific conductance	ND	2.0	µmhos/cm							
LCS (B081174-BS1)				Prepared & Analyzed: 09/19/13						
Specific conductance	150	2.0	µmhos/cm	147		99.3	86.7-102			
Duplicate (B081174-DUP1)		**Source: 13I0548-07**		Prepared & Analyzed: 09/19/13						
Specific conductance	5.7	2.0	µmhos/cm		5.3			7.47	22.4	
Batch B081179 - SW-846 9014										
Blank (B081179-BLK1)				Prepared: 09/19/13 Analyzed: 09/20/13						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B081179-BS1)				Prepared: 09/19/13 Analyzed: 09/20/13						
Reactive Cyanide	9.0	0.40	mg/Kg	10.0		90.5	81.3-112			
Batch B081180 - SW-846 9030A										
Blank (B081180-BLK1)				Prepared: 09/19/13 Analyzed: 09/20/13						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B081180-BS1)				Prepared: 09/19/13 Analyzed: 09/20/13						
Reactive Sulfide	12	2.0	mg/Kg	14.4		82.6	15.2-146			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-03	Sample received after recommended holding time was exceeded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
RL-06	Elevated reporting limit due to high concentration of non-target compounds. MA CAM reporting limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 1030 in Soil	
Ignitability	NY,NH,CT,NC,ME,VA
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,AIHA,ME,NC,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methyl tert-Butyl Ether (MTBE)	NY

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Analyte	Certifications
SW-846 8260C in Soil	
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH

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Analyte	Certifications
SW-846 8270D in Soil	
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 9014 in Soil	
Reactive Cyanide	NY,CT
SW-846 9030A in Soil	
Reactive Sulfide	CT,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1310548

Rev. 04.05.12

Page ____ of ____

Company Name: WESTON & SAMPSON
Address: 100 FOXBORO BLVD. FOXBORO, MA
Attention: SEAN HEALEY
Project Location: UNION ST. NEW BEDFORD
Sampled By: P. KAVANAGH 781-710-4391

Telephone: 1800 SAMPSON
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: HEALEYS@WSBINC.COM
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes ____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOCs	Disposal Crit.										
# of Containers								3	2										
** Preservation								1M	1										
***Container Code								2B	G										
-01	D-1 (10-13')	9:30	9/11/13		X			X	X										
-02	D-5 (10-13')	9:00	9/13/13		X			X											
-03	D-8 (6-10')	12:00	9/13/13		X			X											
-04	* DUP-1		9/13/13	X	X			X											
-05	AREA 1 COMPOSITE	10:00	9/11/13	X															
-06	AREA 2 COMPOSITE	13:00	9/13/13	X															
-07	AREA 3 COMPOSITE	14:00	9/13/13	X															
-05	MATRIX SPIKE (AREA 1)	10:00	9/11/13	X															
-05	MATRIX SPIKE DUP		9/11/13	X															
-08	TRIP BLANK				X			X											

Comments: D-1 (10-13) IS FROM AREA 1 *(VOC SAMPLES WERE GRAB)
D-5 (10-13') IS FROM AREA 2
D-8 (6-10') IS FROM AREA 3
Disposal list attached and Trip blank on jar # [illegible] 9/11/13

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Relinquished by: (signature)	Date/Time:
Paul Kavanagh	9/16 7:30
Received by: (signature)	Date/Time:
[illegible] 9/16/13	1030
Relinquished by: (signature)	Date/Time:
[illegible] 9/16/13	1730
Received by: (signature)	Date/Time:
[illegible] 9/16/13	1730

Turnaround
☐ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require Lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ____

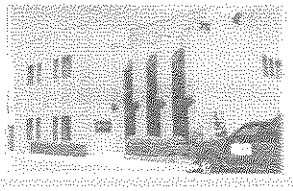
NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston & Sampson RECEIVED BY: JMM DATE: 9/16/13

1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
2) Does the chain agree with the samples? Yes No
   If not, explain:
3) Are all the samples in good condition? Yes No
   If not, explain:
4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4-8c

5) Are there Dissolved samples for the lab to filter? Yes No
   Who was notified _____ Date _____ Time _____
6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
   Who was notified _____ Date _____ Time _____
7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A _____
9) Do all samples have the proper Base pH: Yes No N/A _____
10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	10
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	15	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	3

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 5
Bisulfate 10 # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? Date/Time:

Doc #277 Rev. 4 August 2013 Log-In Technician Initials: JMH Date/Time: 9/16/13 1730

Meghan Kelley

From: Healey, Sean [healeys@wseinc.com]
Sent: Tuesday, September 17, 2013 4:12 PM
To: Meghan Kelley (mkelley@contestlabs.com)
Subject: RE: Samples

Hi

For Union we need the disposal criteria for MA Landfills minus the PCBs. So we need..

- TPH
- VOCs (8260)
- SVOCs
- Arsenic
- Cadmium
- Chromium
- Lead
- Mercury
- Conductivity
- Ignitability
- Corrosivity
- Reactivity

From: Healey, Sean
Sent: Tuesday, September 17, 2013 4:02 PM
To: Meghan Kelley (mkelley@contestlabs.com)
Subject: Samples

Hi Meghan

I left you a message yesterday on the samples for Union and also the composite sample for Newport.

Questions:

Are we on track for Union results on Friday? Or Monday morning first thing?

Did you have enough sample for Newport to run the Aggregate disposal package?

Sean F. Healey, LSP
Project Manager
Weston&Sampson®
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Foxborough, Massachusetts 02035
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Office: 978-977-0110 ext. 7404
Fax: 978-573-4120

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