day
DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C.

October 17, 2013

Adam S. Walters, Esq.
Partner
Phillips Lytle LLP
3400 HSBC Center
Buffalo, NY 14203

Attorney-Client Privileged and Confidential
Prepared at the Request of Counsel

RE: Preliminary Phase II Environmental Site Assessment
119 Franklin Street, 211 Franklin Street, 202 Franklin Street and 120 West Cornell Street
Olean, New York

Dear Mr. Walters:

Day Environmental, Inc. (DAY) prepared this report describing the results of a preliminary Phase II Environmental Site Assessment (Phase II ESA or study) completed on the property addressed 119 Franklin Street, 211 Franklin Street, 202 Franklin Street and 120 West Cornell Street, Olean, New York (the Site). A project locus map identifying the location of the Site is included as Figure 1.

BACKGROUND

The Site consists of four contiguous parcels of land totaling approximately 14.28 acres. The four parcels that comprise the Site include:

1) 119 Franklin Street (SBL # 94.040-1-20): An approximate 0.19-acre parcel of vacant land.

2) 202 Franklin Street (SBL # 94.040-1-21): An approximate 8.41-acre parcel of land that includes a parking lot, vacant ground, and an athletic field (i.e., Hysol Park).

3) 211 Franklin Street (SBL #94.040-1-21): An approximate 5.54-acre parcel of land, improved with an approximate 280,000-square foot, two-story industrial building with a partial basement.

4) 120 West Connell Street (SBL # 94.040-1-22): An approximate 0.14-acre parcel of vacant land.

The four parcels identified above are currently owned by Goodban Belt LLC (Goodban Belt), and SolEpoxy, Inc., founded in 2010, currently leases the property from Goodban Belt and operates a manufacturing facility on the southern portion of the Site (i.e., the 211 Franklin Street parcel). Products currently manufactured by SolEpoxy include epoxy-molding compounds, insulating coating powders and optically clear molding compounds primarily for use in electrical components. The Site has a long history of industrial usage dating back to the at least 1886. In addition, industrial activities and oil storage facilities with numerous railroad lines to service such operations are/were prevalent in the area surrounding the Site. The Site is part of approximate 500-acre parcel of land that has been designated as a Brownfield Opportunity Area (BOA) due to historic industrial operations.

A Phase I Environmental Site Assessment (Phase I ESA) completed at the Site in October 2013 by DAY identified the following recognized environmental conditions (RECs).

- REC #1 – Historical industrial usage of the Site, including:
  - Industrial manufacturing activities at the Site since at least 1886;
  - Use of chemical and petroleum storage tanks;
  - Use of basements and subsurface vaults for possible chemical waste storage or disposal; and
  - Drain discharges that could contain waste materials generated during past manufacturing operations.

- REC #2 – Potential contaminant migration from off site sources

LIMITATIONS

The findings and conclusions presented in this report are based upon an evaluation of a limited number of samples collected during this study and DAY's interpretation of this data. Conditions between sample locations may vary and, as such, the findings and conclusions presented herein should be considered as a professional opinion. If additional data becomes available in the future, it may be necessary to re-evaluate the opinions expressed in this report.

PHASE II ESA FIELDWORK AND ANALYTICAL LABORATORY TESTING

Between September 10, 2013 and September 13, 2013, test borings designated TB-01 through TB-07 were advanced using a combination of direct-push and rotary drilling methods. Upon completion of drilling, 1-inch diameter monitoring wells constructed of flush-coupled polyvinyl chloride (PVC) well screens and risers were installed in test borings TB-01 through TB-05. The table below summarizes the test borings/monitoring wells completed as part of this preliminary Phase II ESA.

Test Boring	Monitoring Well	Ground Surface Elevation[1] (feet)	Bottom of Test Boring (feet bgs)	Screened Interval (feet bgs)
TB-01	MW-A	95.66	27.0	15.9 – 25.9
TB-02	MW-B	97.84	28.0	18.0 – 28.0
TB-03	MW-C	98.26	28.0	18.0 – 28.0
TB-04	MW-D	99.28	30.0	20.0 – 30.0
TB-05	MW-E	101.91	33.0	23.0 – 33.0
TB-06	--	Not Measured	12.0	N/A
TB-07	--	Not Measured	4.0	N/A

[1]Ground elevation measured to an arbitrary site datum of 100.00 feet established on the rim of a bollard located at the northwest corner of the 211 Franklin Street parcel.

The locations of test boring TB-01 through TB-07 and monitoring wells MW-A through MW-E are presented on the Site Plan included as Figure 2.

Soil samples collected during the advancement of the test borings were observed to evaluate stratigraphic conditions, and for evidence of potential environmental impact (e.g., staining, unusual odors, etc.). In addition, a photoionization detector (PID) was used to scan the air space above the samples collected. Copies of test boring logs for TB-01 through TB-07 that summarize subsurface conditions and PID measurements are included in Attachment A. Monitoring well installation diagrams for MW-A through MW-E are also included in Attachment A.

On September 19, 2013 groundwater monitoring wells MW-A though MW-E were developed for the purpose of removing sediment that accumulated in the well casing during drilling in preparation for sampling. Upon completion, the groundwater in each well was allowed to recharge to pre-development levels before groundwater samples were collected from each monitoring well for subsequent testing. In-situ measurements made at the time of groundwater sampling are summarized below.

WELL ID	TEMP (^{O}C)	pH (su)	ORP (mV)	CONDUCTIVITY (ms/cm)	PID (ppm)	TURBIDITY (NTU)	VISUAL OBSERVATIONS
MW-A	14.8	6.97	-144	0.94	275	>800	Very Cloudy, Chemical Odor, Gray/Black, Petroleum Sheen
MW-B	16.0	6.92	-150	2.13	61.5	>800	Very Cloudy, Chemical Odor, Gray/Black, Petroleum Sheen
MW-C	13.5	7.27	-37	1.21	0.0	>800	Very Cloudy, (opaque) No Odor
MW-D	15.4	7.10	-121	1.43	115	>800	Gray/Black Chemical Odor, Petroleum Sheen
MW-E	14.8	7.22	-18	1.60	0.9	>800	Cloudy, Brown, No Odor

Analytical Laboratory Testing

Select soil samples from the test borings advanced during this study and groundwater samples from each of the monitoring wells installed during this study were submitted for testing by a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory. Specifically, soil samples were delivered under chain-of-custody control to ALS Group USA, Corp. dba ALS Environmental (ALS) in Rochester, New York. Groundwater samples were delivered under chain-of-custody control to Spectrum Analytical Inc. (Spectrum) in Agawam, Massachusetts. The samples submitted for testing and the test parameters are summarized on Table 1 *Phase II Environmental Site Assessment, 211 Franklin Street, Olean, New York, Analytical Laboratory Testing Program.* Copies of the analytical laboratory reports prepared by the analytical laboratories, and executed chain-of-custody documentation, are included in Attachment B.

The analytical laboratory results for the samples tested as part of this Phase II ESA are summarized on the following tables. These tables also include applicable regulatory standards/guidance values and/or cleanup objectives.

Table 2a	*Summary of Detected Volatile Organic Compounds (VOCs) and TICs: Soil Samples*
Table 2b	*Summary of Detected VOCs and TICs: Groundwater Samples*
Table 3a	*Summary of Detected Semi-Volatile Organic Compounds (SVOCs) and TICs: Soil/Fill Samples*
Table 3b	*Summary of Detected SVOCs: Groundwater Samples*
Table 4a	*Summary of TAL Metals + Cyanide: Soil Sample*
Table 4b	*Summary of TAL Metals + Cyanide: Groundwater Samples*

FINDINGS

This section describes the findings of the Phase II ESA based upon the work conducted to date.

Subsurface Conditions

Fill material/reworked soil was encountered in each of the test boings advanced for this study beginning at the ground surface with the exception of TB-05, which was installed though approximately 0.5 feet (ft.) of concrete floor in the warehouse portion of the 211 Franklin Street building. The fill material/reworked soil encountered in TB-01 through TB-07 extended to depths ranging from about 0.5 ft. below ground surface (bgs) in TB-1 to about 11 ft. bgs in TB-05. The fill material typically consisted of reworked soil comprised primarily of sand and gravel intermixed in some locations with brick fragments (i.e., within samples collected from test borings TB-01, TB-02, TB-05, and TB-07), ash (TB-02), concrete fragments (TB-05 and TB-07), apparent epoxy resin residue (TB-07) or coal residue (TB-07). Indigenous soil encountered below the fill generally consisted of fine to coarse sand and fine to coarse gravel, with suspected larger aggregate (e.g. cobbles, boulders). Equipment refusal (i.e., refusal of the direct-push drilling equipment) was encountered in test boring TB-06 at 12.0 ft. bgs. The remaining test borings were advanced to depths between 4 feet bgs (TB-07) and 33 feet bgs (TB-05) without encountering refusal. However, test borings TB-01 and TB-02 had to be offset several feet and re-advanced after encountering suspected larger aggregate in the native soils at depths of approximately 10 feet bgs and 12 feet bgs, respectively. [Note: Test borings TB-01 through TB-05 were initially advanced via direct-push drilling methods, and upon encountering refusal with the direct-push equipment the test borings were subsequently advanced via rotary drilling methodologies and sampled using split spoons.]

Evidence of potential environmental impact (i.e., petroleum-like odors and elevated PID readings) was identified during the advancement of test borings TB-01, TB-02, and TB-04. Specifically, beginning at a depth of about 20 ft. bgs PID readings in excess of 100 parts per million (ppm) were measured above soil samples collected from test boring TB-01, and these samples exhibited a petroleum-like odor. A maximum PID reading of 121 ppm was measured above the bottom-most sample collected from test boring TB-01 at a depth of about 26 ft. bgs, and this sample exhibited petroleum-like odors. The samples collected from test boring TB-02 contained petroleum-like odors, and elevated PID readings, beginning at a depth of about 18.0 ft. bgs. A maximum PID reading of 701 ppm was measured above the bottom-most sample collected from test boring TB-02, at a depth of about 26 ft. bgs, and this sample exhibited petroleum-like odors. The samples collected from test boring TB-04 began to exhibit petroleum-like odors, and elevated PID readings, at a depth of about

26 ft. bgs. A maximum PID reading of 279 ppm was measured above the bottom-most sample collected from test boring TB-04, at a depth of about 29 ft. bgs, and this sample exhibited petroleum-like odors. Apparent field evidence of environmental impact was not observed in the other test borings advanced during this study. Test boring TB-07 was advanced in an area of an approximate 0.1 foot thick layer of a hard solid black substance. However, the soil below the hard solid black substance did not exhibit apparent field evidence of impact.

As shown on Table 2a, the soil sample TB-02 (24') contained detectable concentrations of methylcyclohexane and tert-butylbenzene and soil sample TB-04 (30') contained no detectable concentrations of target list VOCs. However, the both samples TB-02 (24') and TB-04 (30') contained potentially elevated total concentrations of tentatively identified volatile organic compounds (TICs) of 155.2 mg/kg or parts per million (ppm) and 95.1 ppm, respectively. The concentration of the tert-butylbenzene detected in the sample TB-02(24') does not exceed the Unrestricted Use SCO. [Note: to date, the NYSDEC has not published a SCO for methylcyclohexane, and a SCO has not been established for TICs.]

As shown in Table 3a, several target list SVOCs (i.e., primarily polyaromatic hydrocarbons, PAHs) were detected in soil samples TB-02 (24'), TB-04 (30'), and TB-07 (3'), at concentrations below their respective Unrestricted Use SCOs. The soil samples TB-02 (24') and TB-04 (30') contained total concentrations of TICs of 56.6 ppm and 14.44 ppm respectively. The soil sample TB-07 (3') did not contain detectible concentrations of TICs.

As shown in Table 4a, the concentrations of the TAL Metals detected in the soil sample TB-02 (24') do not exceed their respective Unrestricted Use SCOs. Cyanide was not detected in the soil sample TB-02 (24') at a concentration greater than the laboratory detection limit of 0.094 ppm.

Note: Soil sample TB-02 (24') was tested for the presence of polychlorinated biphenyls (PCBs). However, PCBs were not detected in soil sample TB-02 (24') at concentrations above the laboratory method detection limit of 0.019 ppm.

Groundwater

On September 25, 2013, groundwater levels were measured in monitoring wells MW-A though MW-E. Figure 3 includes the calculated groundwater elevation determined for each location referenced to an arbitrary site-wide datum and the groundwater contours for the September 25, 2013 measurements. As depicted on Figure 3, groundwater flow in the area of the Site is generally toward the southeast. This flow direction could be locally modified by nearby pumping, subsurface structures, or other factors.

As shown on Table 2b, the groundwater samples collected from monitoring well MW-A though MW-E on September 19, 2012 contained detectable concentrations of one or more of the target list VOCs: acetone, 2-butanone (MEK), sec-butyl benzene, tert-butylbenzene, naphthalene, and toluene. The concentrations of tert-butylbenzene in MW-A and MW-B exceed the Class GA standard of 5 ug/l or parts per billion (ppb), and the concentration of acetone in MW-B exceed the Class GA guidance value of 50 ppb. The concentrations of the other target list VOCs detected in the groundwater samples from MW-A through MW-E do not exceed their respective Class GA standards

or guidance values. In addition, groundwater samples MW-A, MW-B, and MW-D contained total concentrations of TICs of 122.2 ppb, 615,200 ppb and 60.2 ppb, respectively.

As shown on Table 3b, the SVOCs bis(2-ethylhexyl)phthalate and di-n-butyl phthalate were detected in the groundwater sample collected from MW-E on September 19, 2013, but the concentrations do not exceed their respective groundwater standards.

As shown on Table 4b, TAL Metals in both groundwater samples tested. The concentrations of the following TAL metals, detected in groundwater sample collected from MW-B on September 19, 2013, exceed their respective Class GA standards or guidance values: arsenic, barium, beryllium, chromium, copper, iron, magnesium, manganese, sodium, nickel, lead, thallium, and zinc. The concentrations of the following TAL metals, detected in groundwater sample collected from MW-D on September 19, 2013, exceed their respective Class GA standards or guidance values: chromium, iron, magnesium, manganese, sodium, and lead.

Total petroleum hydrocarbons (TPH)[1] measured in the groundwater samples tested, are summarized below:

MW-A = 139 mg/l or ppm;
MW- B = 483 mg/l;
MW- C = Not detected at a concentration greater than 0.06 mg/l;
MW- D = 7.3 mg/l; and
MW- E = Not detected at a concentration greater than 0.05 mg/l.

The laboratory reported the above concentrations as 'unidentified petroleum product'. However, the laboratory indicated that the GC fingerprint of the petroleum product identified in the groundwater samples tested was similar to #2 Fuel Oil, Ligroin (e.g., mineral spirits, petroleum naphtha, vm&p naphtha, etc.), and/or or other oil, including lubricating and cutting oil, and silicon oil.

QA/QC Results

Quality assurance and quality control measures implemented by Spectrum, and ALS are described in the Analytical Data Packages prepared for the samples tested as part of this study (refer to Attachment B). As indicated in the Analytical Data Packages, the laboratory results are within the applicable acceptable ranges and thus "acceptable". In addition, a trip blank accompanied the groundwater sample containers from the laboratory and, upon return, was tested for TCL VOCs + TICs. Target list VOCs were not detected in the trip blank at concentrations above the laboratory method detection limits. One TIC, identified as 2-2-chloroethoxy-ethanol was reported at a concentration of 1.5 ppb in the Trip Blank. Based upon the above considerations, the analytical laboratory data generated during this study is considered to be acceptable for use during this study.

[1] No regulatory standard or guidance values have been established for TPH. This test is used to evaluate the nature of the petroleum products and relative concentrations.

CONCLUSIONS AND RECOMMENDATIONS

Based upon this preliminary Phase II ESA it is concluded that:

- Historical uses of the Site and adjoining properties (i.e., identified as REC #1 and REC #2 in the Phase I ESA report) remain RECs for the reasons described below:

    - Evidence of apparent contamination (i.e., petroleum-type odors and elevated PID readings) was encountered within the saturated soil in test borings TB-01, and TB-02, and TB-04.

    - Soil samples collected from below the top of the apparent ground water table in test borings TB-02 and TB-04 contained non-target VOC compounds (i.e., TICs) at concentrations of 155.2 mg/Kg (or ppm) and 95.1 ppm (respectively) and non-target SVOC compounds (TICs) at concentrations of 14.44 ppm and 56.6 ppm, respectively. Groundwater samples collected from these locations (i.e., MW-B and MW-D, respectively) contained non-target VOC compounds (TICs) at concentrations of 0.0602 and 615.2 mg/l or ppm, respectively. A saturated soil sample from TB-01 was not tested for VOCs. However, a groundwater sample collected from this location (MW-A) contained concentration of non-target VOC compounds (TICs) at a concentration of 0.1222 ppm.

    - The concentrations of the VOC tert-butylbenzene in the groundwater samples collected from MW-A (i.e., 5.38 ug/l or ppb) and MW-B (3,130 ppb) exceed the Class GA standard of 5 ppb. In addition, the concentration of acetone in the groundwater sample collected from MW-B (i.e., 4,260 ppb) exceeds the Class GA guidance value of 50 ppb.

    - A groundwater sample collected from monitoring well MW-B contained concentrations of the metals arsenic, barium, beryllium, chromium, copper, iron, magnesium, manganese, sodium, nickel, lead, thallium, and zinc that exceeded applicable groundwater standards/guidance values established by the NYSDEC.

Based on the contaminants detected in the samples tested during this study, it appears that the groundwater and saturated soil are impacted by a combination of petroleum products, metals, acetone, and potentially other constituents. While the source of the contamination detected has not been conclusively determined, additional study is required to evaluate the nature and extent of the contamination identified at the Site.

Future studies, and possible remediation, should be conducted per NYSDEC requirements. This Site appears to be a candidate for inclusion in the Brownfield Cleanup Program (BCP), and consideration should be given to conducting future studies and remedial activities within this program.

If there are questions regarding this report, please contact this office.

Very truly yours,
Day Environmental, Inc.

Raymond Kampff
Associate Principal

Figures

Figure 1:	Project Locus Map
Figure 2:	Site Plan depicting test locations
Figure 3:	Groundwater Contour Map for September 25, 2013

Tables

Table 1:	Analytical Laboratory Testing Program
Table 2a:	Summary of Detected Volatile Organic Compounds (VOCs) and TICs: Soil Samples
Table 2b:	Summary of Detected VOCs and TICs: Groundwater Samples
Table 3a:	Summary of Detected Semi-Volatile Organic Compounds (SVOCs) and TICs: Soil/Fill Samples
Table 3b:	Summary of Detected SVOCs: Groundwater Samples
Table 4a:	Summary of TAL Metals + Cyanide: Soil Sample
Table 4b:	Summary of TAL Metals + Cyanide: Groundwater Samples

Attachments

Attachment A:	Test Boring Logs/Monitoring Well Installation Diagrams
Attachment B:	Analytical Laboratory Report/ Chain-of-Custody Documentation

CAH0658/4884S-13

FIGURES

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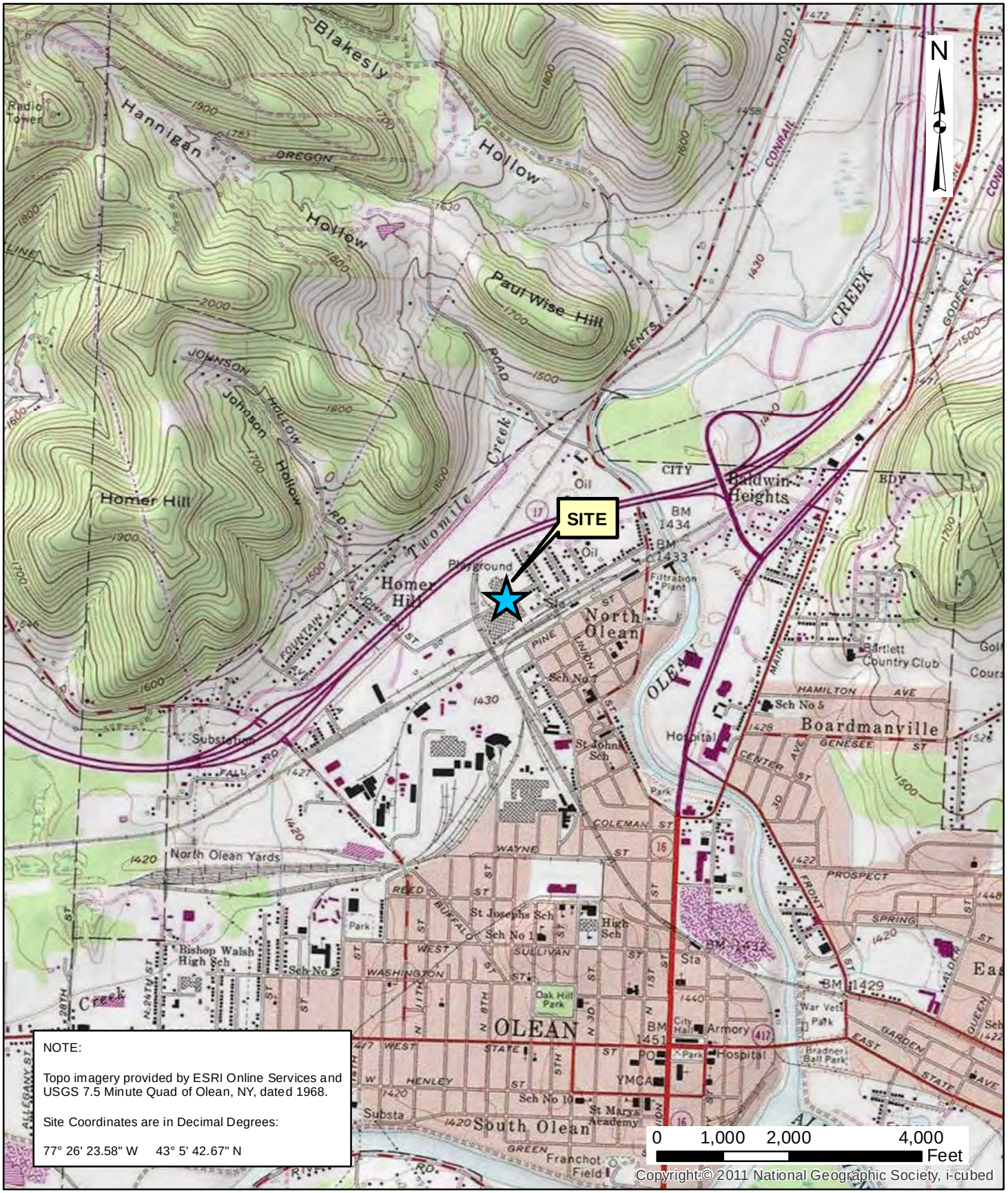
Last Date Saved: 10 Oct 2013



NOTE:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Olean, NY, dated 1968.

Site Coordinates are in Decimal Degrees:

77° 26' 23.58" W 43° 5' 42.67" N

Date: 09-19-2013 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: 211 FRANKLIN STREET, OLEAN, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title: Project Locus Map	Project No.: 4884S-13 FIGURE 1

Legend

- Test boring
- Test boring / monitoring well
- Approximate property boundary

TB-01 (MW-A)
TB-02 (MW-B)
TB-03 (MW-C)
TB-04(MW-D)
TB-05 (MW-E)
TB-06
TB-07

I 86
I 86
FRANKLIN ST
FRANKLIN ALY
E CONNELL ST
W CONNELL ST
E PINE ST
W PINE ST
PINE ST
SPRUCE ST
OAK ST

N

NOTE:

Test borings and monitoring wells were tape-measured in the field based on existing site features. These locations are to be considered approximate.

Property boundaries are approximate.

Aerial imagery provided by the New York State GIS Clearinghouse, date 2012.

0 75 150 300 Feet

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DESIGNED BY	RLK	DATE	09-2013
DRAWN BY	CPS	DATE DRAWN	09-2013
SCALE	AS NOTED	DATE ISSUED	09-16-2013

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

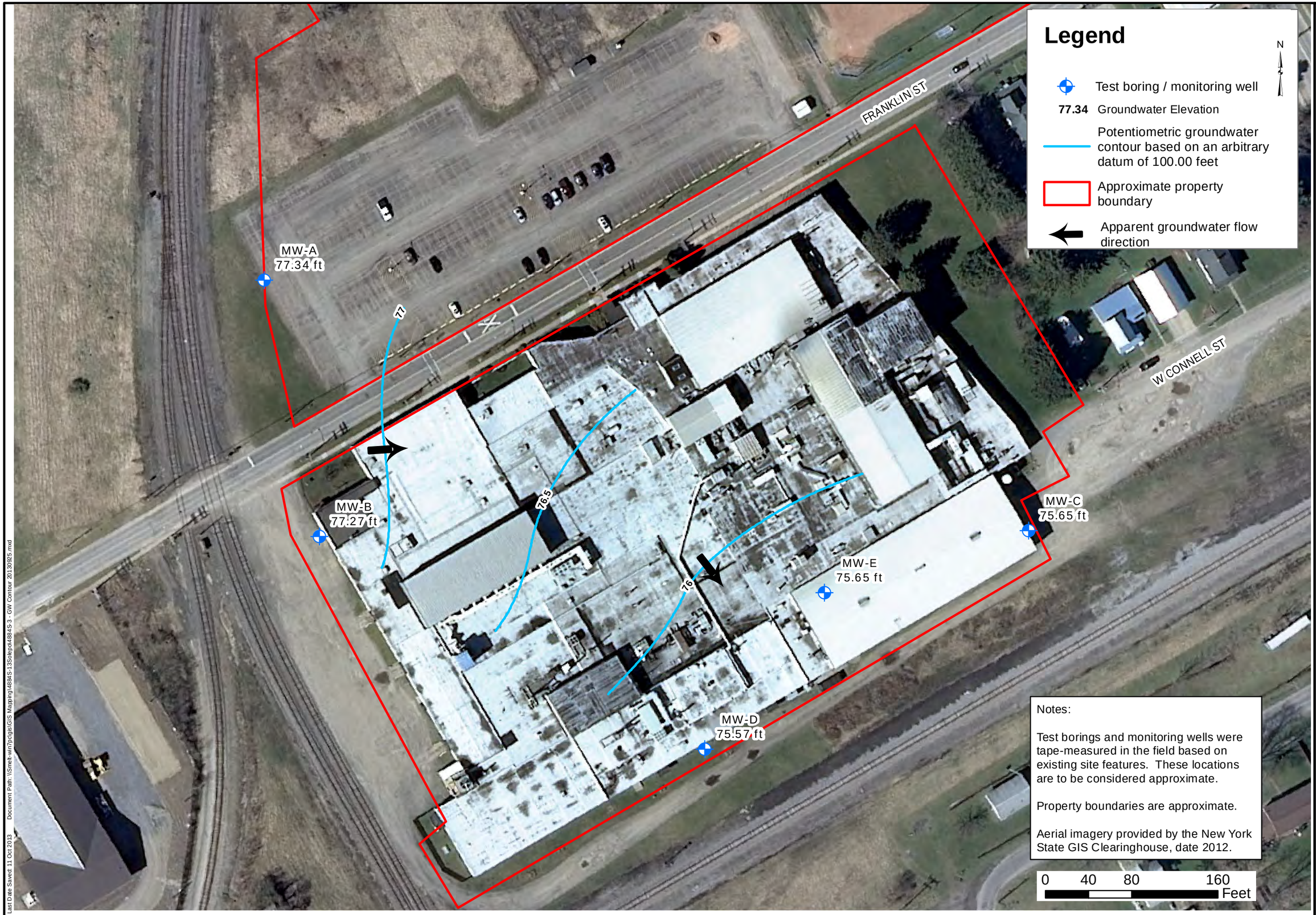
Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Drawing Title
Site Plan

Project No.
4884S-13

FIGURE 2



Legend

N

- Test boring / monitoring well
- 77.34 Groundwater Elevation
- Potentiometric groundwater contour based on an arbitrary datum of 100.00 feet
- Approximate property boundary
- Apparent groundwater flow direction

Notes:

Test borings and monitoring wells were tape-measured in the field based on existing site features. These locations are to be considered approximate.

Property boundaries are approximate.

Aerial imagery provided by the New York State GIS Clearinghouse, date 2012.

0 40 80 160 Feet

DESIGNED BY	DATE
RLK	10-2013
DRAWN BY	DATE DRAWN
CPS	10-2013
SCALE	DATE ISSUED
AS NOTED	10-08-2013

day
DAY ENVIRONMENTAL, INC.
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Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Drawing Title
Groundwater Contour Map for September 25, 2013

Project No.
4884S-13

FIGURE 3

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TABLES

Table 1
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Analytical Laboratory Testing Program

Sample Designation	Date Sampled	Matrix	Test Parameters
TB-02 (24')	9/11/2013	Soil	TCL VOCs + TICs, TCL SVOCs + TICs, PCBs, TAL Metals + Cn
TB-04 (30')	9/12/2013	Soil	TCL VOCs + TICs, TCL SVOCs + TICs
TB-07 (3')	9/13/2013	Soil	TCL SVOCs + TICs
MW-A	9/19/2013	Groundwater	TCL VOCs + TICs, TCL SVOCs + TICs, TPH
MW-B	9/19/2013	Groundwater	TCL VOCs + TICs, TCL SVOCs + TICs, TAL Metals + Cn, TPH
MW-C	9/19/2013	Groundwater	TCL VOCs + TICs, TPH
MW-D	9/19/2013	Groundwater	TCL VOCs + TICs, TCL SVOCs + TICs, TAL Metals + Cn, TPH
MW-E	9/19/2013	Groundwater	TCL VOCs + TICs, TCL SVOCs + TICs, TPH

Notes:

TCL VOCs = United States Environmental Protection Agency (USEPA) Target Compound List (TCL) Volatile Organic Compounds by USEPA Method 8260

TICs = Tentatively Identified Compounds

TCL SVOCs = USEPA TCL Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270

PCBs = Polychlorinated biphenyls (PCBs) by United States Environmental Protection Agency (USEPA) Method 8082A

TAL Metals = USEPA Target Analyte List (TAL) Metals

THP = Total Petroleum Hydrocarbons

Cn = Cyanide

Table 2a
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Volatile Organic Compounds (VOCs) and TICS

Soil Samples

Compound	Unrestricted SCO (1)	Restricted Industrial SCO (2)	Test Location and Sample Date	
			TB-02 (24') 9/11/2013	TB-04 (30') 9/12/2013
Methylcyclohexane	NS	NS	2.7	ND (0.044)
tert-Butylbenzene	5.9	1000	0.16 J	ND (0.056)
Total TICs	NS	NS	155.2	95.1

Notes:

All results and SCO values are in parts per million (ppm)

J = Estimated concentration

ND (0.044) = Not detected at a concentration greater than the laboratory Method Detection Limit shown in parenthesis

NS = No Standard

(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

(2) = Soil Cleanup Objective (SCO) for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

TIC = Tentatively Identified Compound

The compond decahydro-2-methyl-Naphthalene was tentaively identified as a VOC in soil sample TB-12 (30') and TB-15A (24').

Table 2b
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Volatile OrganicCompounds (VOCs) and Tentatively Identified Compounds (TICs)

Groundwater Samples

Compound	Groundwater Standard or Guidance Value (1)	MW-A 09/19/13	MW-B 09/19/13	MW-C 09/19/13	MW-D 09/19/13	MW-E 09/19/13
Acetone	50	10.1	4,260 J,D	ND (2.56)	ND (2.56)	9.53 J
2-Butanone (MEK)	50	2.4 J	ND (1,930) D	ND (1.93)	ND (1.93)	ND (1.93)
sec-Butylbenzene	5	ND (0.82)	ND (820) D	ND (0.82)	1.05	ND (0.82)
tert-Butylbenzene	5	5.38	3,130 D	ND (0.74)	1.90	ND (0.74)
Naphthalene	10	0.59 J	ND (579) D	ND (0.58)	ND (0.58)	ND (0.58)
Toluene	5	ND (0.81)	ND (812) D	0.84 J	ND (0.81)	ND (0.81)
Total TICs	NS	122.2	615,200	None	60.2	None

Notes:

All values reported in µg/l or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

NS = No Standard or Guidance Value

ND (0.82) = Not detected at concentrations above the analytical laboratory detection limits shown in parenthesis

D = Data reported from a dilution

J = Estimated value

5.38 = Exceeds groundwater standard or guidance value

Table 3a
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Semi-Volatile Organic Compounds (SVOCs) and TICS

Soil Samples

Compound	Unrestricted SCO (1)	Restricted Industrial SCO (2)	Test Location and Sample Date		
			TB-02 (24') 9/11/2013	TB-04 (30') 9/12/2013	TB-07 (3') 9/13/2013
Benz(a)anthracene	1	11	ND (0.056)	ND (0.057)	0.260 J
Benzo(a)pyrene	1	1.1	ND (0.061)	ND (0.061)	0.420 J
Benzo(b)fluoranthene	1	11	ND (0.088)	ND (0.089)	0.360 J
Benzo(g,h,i)perylene	100	1,000	ND (0.069)	ND (0.070)	0.360 J
Benzo(k)fluoranthene	0.8	110	ND (0.065)	ND (0.066)	0.350 J
Bis(2-ethylhexyl) Phthalate	NS	NS	0.180 J	0.080 J	ND (0.170)
Chrysene	1	110	0.057 J	ND (0.052)	0.290 J
Fluoranthene	100	1,000	ND (0.058)	ND (0.059)	0.450 J
Indeno(1,2,3-cd)pyrene	0.5	11	ND (0.060)	ND (0.061)	0.300 J
Phenanthrene	100	1,000	0.350 J	ND (0.050)	0.240 J
Pyrene	100	1,000	ND (0.070)	ND (0.071)	0.400 J
Total TICs	NS	NS	56.6	14.44	ND

Notes:
All results and SCO values are in parts per million (ppm)
J = Estimated concentration
ND (0.070) = Not detected at a concentration greater than the laboratory Method Detection Limit shown in parenthesis
NS = No Standard
(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.
(2) = Soil Cleanup Objective (SCO) for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.
TIC = Tentatively Identified Compound

The compond decahydro-2-methyl-Naphthalene was tentaively identified as a SVOC in soil sample TB-12 (30') and TB-15A (24').

Table 3b
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Semi-Volatile OrganicCompounds (SVOCs)

Groundwater Samples

Compound	Groundwater Standard or Guidance Value[(1)]	MW-A 09/19/13		MW-B 09/19/13		MW-C 09/19/13		MW-D 09/19/13		MW-E 09/19/13	
Bis(2-ethylhexyl)phthalate	5	ND (56.7)	D	ND (123)	D	NT		ND (1.05)		1.44	J
Di-n-butyl phthalate	50	ND (52.2)	D	ND (123)	D	NT		ND (0.969)		4.07	J

Notes:

All values reported in µg/l or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

ND (56.7) = Not detected at concentrations above the analytical laboratory detection limits shown in parenthesis

D = Data reported from a dilution

J = Estimated value

Table 4a
Phase II ESA
211 Franklin Street
Olean, NY

Summary of Detected Target Analyte List (TAL) Metals

Soil Samples

Analyte	Unrestricted SCO (1)	Restricted Industrial SCO (2)	TB-02 (24') 9/11/2013
Aluminum	NS	NS	5580
Arsenic	13	16	6.7
Barium	350	10,000	34.5
Calcium	NS	NS	42,200
Chromium	30	6,800	22
Copper	50	10,000	15.3
Iron	NS	NS	15,900
Lead	63	3,900	9.2
Manganese	1,600	10,000	697
Nickel	30	10,000	10.9
Potassium	NS	NS	619
Vanadium	NS	NS	9.8
Zinc	109	10,000	51.6

Notes:

All results and SCO values are in parts per million (ppm)

NS = No Standard

(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

(2) = Soil Cleanup Objective (SCO) for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

Table 4b
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Target Analyte List (TAL) Metals

Groundwater Samples

Analyte	Groundwater Standard or Guidance Value[(1)]	MW-A 09/19/13	MW-B 09/19/13	MW-C 09/19/13	MW-D 09/19/13	MW-E 09/19/13
Aluminum	NS	NT	588,000	NT	28,900	NT
Arsenic	25	NT	1,030	NT	46	NT
Barium	1,000	NT	5,860	NT	42.8	NT
Beryllium	3	NT	25.7	NT	1.6 J	NT
Calcium	NS	NT	2,840,000 D	NT	288,000 D	NT
Cobalt	NS	NT	484	NT	23.3	NT
Chromium	50	NT	2,140	NT	57.4	NT
Copper	200	NT	2,050	NT	167	NT
Iron	300	NT	1,220,000	NT	59,800	NT
Potassium	NS	NT	94,500	NT	9,800	NT
Magnesium	35,000	NT	557,000 D	NT	67,900	NT
Manganese	300	NT	59,500 D	NT	2,730	NT
Sodium	20,000	NT	191,000	NT	98,000	NT
Nickel	100	NT	1,120	NT	57.8	NT
Lead	25	NT	1,850	NT	78.4	NT
Thallium	0.5	NT	48.5 J	NT	ND (2.9)	NT
Vanadium	NS	NT	846	NT	47.2	NT
Zinc	2,000	NT	6,560	NT	471	NT
Mercury	0.7	NT	0.49 J	NT	ND (0.08)	NT
Cyanide	200	NT	ND (3.6)	NT	ND (3.6)	NT

Notes:
All values reported in µg/l or parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000
NS = No Standard or Guidance Value
ND (3.6) = Not detected at concentrations above the analytical laboratory detection limits shown in parenthesis
D = Data reported from a dilution
J = Estimated value
NT = Not Tested
2,140 = Exceeds groundwater standard or guidance value

ATTACHMENT A

TEST BORING LOGS

AND

MONITORING WELL INSTALLATION DIAGRAMS

day
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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push & Split Spoon

Test Boring TB-01

Ground Elevation: Datum:
Date Started: 9/10/2013 Date Ended: 9/10/2013
Borehole Depth: 27.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 18.8' (9/10/13) through augers

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Brown, fine to medium Sand, some Roots, little Red Brick (FILL)	**Monitoring Well MW-A**
2	NA	S-1	0-4	69	NA	NA	0.0	Brown-Red, fine to medium SAND, little coase Gravel, damp	
3							0.0	...Gray-Black, trace fine Gravel	
4							0.0	Gray-Brown, SAND, trace fine Gravel, damp	
5	NA	S-2	4-8	38	NA	NA	0.0		
6							0.0		
7							0.0		
8								...fine to medium SAND	
9	NA	S-3	8-10	10	NA	NA	0.0	Gray-Brown, medium to coarse GRAVEL, some Sand, damp	
10							0.0		**Test boring advanced to 10 feet via direct-push methods and completed to 27 feet with H S A with split spoon samples collected at 5-foot intervals.**
11	NA	S-4	10-12	78	NA	NA	0.2	Gray-Brown, Silty fine to coarse SAND, little medium coarse Gravel, damp	
12							0.0		
13									
14									
15	NA	S-5	14-16	75	54	NA	3.1		
16							14.7		

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-01

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DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push & Split Spoon

Test Boring TB-01

Ground Elevation: Datum:
Date Started: 9/10/2013 Date Ended: 9/10/2013
Borehole Depth: 27.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 18.8'

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							5.0		
18									
19									
20									
21		S-6	20-22	67	57		101 25.7 81.1	Very dense, Gray, Silty fine to coarse SAND and medium to coarse GRAVEL, moist petroleum/chemical odor	
22									
23									
24									
25							13	Gray, Silty fine to medium SAND, wet, petroleum/chemical odor	
26		S-7	25-27	65	44		42.2 121	Dense, Gray, Silty fine to coarse SAND and medium to coarge GRAVEL, wet, petroleum/chemical odor	
27									
28								End of Boring @ 27.0'	
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-01

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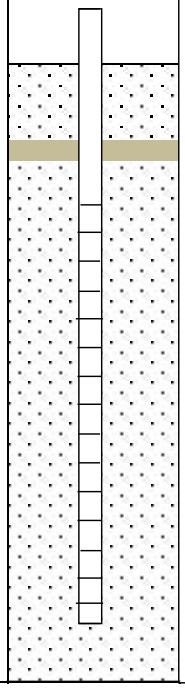
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, New York
DAY Representative: Z. Tennies
Drilling Contractor: Applus

MONITORING WELL MW-A

Ground Elevation: 95.66' Datum: 100'
Date Started: 9/10/2013 Date Ended: 9/10/2013
Water Level (Date): 77.34' (9-25-13)

Refer to Test Boring Log TB-01 for Soil Description



1.16 Height of Stickup (ft)

← Ground Surface
4.0 Depth to Bottom of Bentonite Surface Patch (ft)
Backfill Type Soil
13.9 Depth to Top of Bentonite Seal (ft)
14.9 Depth to Bottom of Bentonite Seal (ft)

15.9 Depth to Top of Well Screen (ft)

4.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

25.9 Depth to Bottom of Well Screen (ft)

27.0 Depth to Bottom of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-A

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Test Boring TB-02

Project #:	4884S-13	Ground Elevation:	Datum:
Project Address:	211 Franklin Street	Date Started: 9/10/2013	Date Ended: 9/11/2013
	Olean, NY	Borehole Depth: 28.0'	Borehole Diameter: 4"
DAY Representative:	Z. Tennies	Completion Method: ■ Well Installed	☐ Backfilled with Grout ☐ Backfilled with Cuttings
Drilling Contractor:	Applus	Water Level (Date): 20.61' (9/11/13) through augers	
Sampling Method:	Direct Push & Split Spoon		

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1		S-1	0-2	100			0.2	Brown, medium to coarse Gravel, some Ash/Brick, damp (FILL)	**Monitoring Well MW-B**
2									
3		S-2	2-4	25	14		0.0	Brown, some Red Brick, trace Sand, damp (FILL)	
4							0.0		
5		S-3	4-6	25	14		0.0		
6							0.0		
7		S-4	6-8	20	5		0.0	...some Brick and Concrete material, damp (FILL)	
8							0.0		**Test boring advanced to 8 feet bgs via direct-push methods and completed to 28 feet bgs with H S A and split spoon samples**
9							0.1		
10							0.0		
11	16 32	S-5	10-12	82.5	74		0.0	Very dense, Gray-Brown, coarse SAND, some fine to coarse Gravel, moist	
12	42 40						0.2	Very dense, Gray-Brown, SILT, fine to coarse Sand, some fine to coarse Gravel, moist	
13	10 35	S-6	12-14	60	65		0.3	Very dense, Gray-Brown, fine to coarse SAND, some fine to coarse Grave,	
14	30 32						0.0	trace Silt, moist	
15	19 23	S-7	14-16	72.5	51		0.1		
	28						1.5		
16	43						2.6	Gray, Silty fine to medium SAND and medium to coarse Gravel, moist	
	50	S-8	16-16.5	10	50		0.0		

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-02

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Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push & Split Spoon

Test Boring TB-02

Ground Elevation: Datum:
Date Started: 9/10/2013 Date Ended: 9/11/2013
Borehole Depth: 28.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 20.61' (9/11/13) through augers

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17									
18	37						41.9	Very dense, Gray-Brown, silty fine to coarse SAND, some medium to coarse	
19	50	S-9	18-19.5	60	50+	117		Gravel, moist, chemical/petroleum odor	
	50/4						55.4		
20									
							8.5		
21	37	S-10	20-21	45	50+	84.5			
	50/4						31.1		
22									
	14						122		
23	24	S-11	22-24	80	51	750		Gray, fine to coarse SAND and fine to coarge GRAVEL, wet, strong chemical/	
	27						359	petroleum odor	
24	20								
	24						605		
25	24	S-12	24-25.8	75			237	...trace Silt	**Petroleum sheen observed at 25.0'**
	50						305		
26	50.3					278	190		
	37						701		
27	50/4	S-13	26-27	43	50+	67.2	283		
28									
								Bottom of Hole @ 28.0'	
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-02

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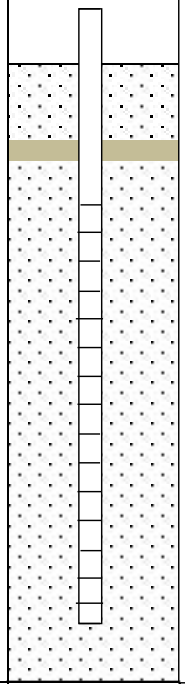
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, New York
DAY Representative: Z. Tennies
Drilling Contractor: Applus

MONITORING WELL MW-B

Ground Elevation: 97.84' Datum: 100'
Date Started: 9/11/2013 Date Ended: 9/11/2013
Water Level (Date): 77.27' (9-25-13)

Refer to Test Boring Log TB-02 for Soil Description



2.48 Height of Stickup (ft)

Ground Surface
2.0 Depth to Bottom of Concrete Surface Patch (ft)
Backfill Type Concrete
16.0 Depth to Top of Bentonite Seal (ft)
17.0 Depth to Bottom of Bentonite Seal (ft)

18.0 Depth to Top of Well Screen (ft)

4.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

28.0 Depth to Bottom of Well Screen (ft)

28.0 Depth to Bottom of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-B

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Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Split Spoon

Test Boring TB-03

Ground Elevation: Datum:
Date Started: 9/11/2013 Date Ended: 9/11/2013
Borehole Depth: 28.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 22.73' (9/12/13) through augers

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	4 5 6 6	S-1		100	11		0.2 0.0 0.2	Gray-Brown, some crushed Rock, some fine to coarse Sand, damp (FILL)	**Monitoring Well MW-C**
3	5 6 5 6	S-2		50	11		0.0 0.0 0.0		
5	6 7 6 8	S-3		43	13		0.0 0.0 0.0	Dense, Brown, Silty medium to coarse SAND, some medium to coarse Gravel, damp	
7	4 4 7 7	S-4		56	11		0.0 0.0 0.0	...very dense, trace fine Gravel, moist ...some fine Gravel	
9	4 6 4 5	S-5		39	10		0.0 0.0 0.0	Dense, Brown, medium to coarse SAND and fine to medium GRAVEL, little Silt, moist	
11	10 14 20 25	S-6		59	34		0.0 0.0 0.0	...very dense, Gray-Brown	
13	10 20 23 25	S-7		58	43		0.0 0.0 0.0		
15	8 28 39 45	S-8		59	67		0.2 0.0 0.0 0.0		

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-03

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Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Split Spoon

Test Boring TB-03

Ground Elevation: Datum:
Date Started: 9/11/2013 Date Ended: 9/11/2013
Borehole Depth: 28.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 22.73' (9/12/13)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	35 44 50/4	S-9		58	94		0.0 0.4 0.0	Very dense, Gray-Brown, medium to coarse SAND and fine to coarse GRAVEL, little Silt, moist	
18									
19	17 39 40 25	S-10		46	79		0.0 0.0 0.0		
20									
21	10 11 10 9	S-11		58	21		0.0 0.0 0.0		
22									
23	10 8 10 18	S-12		27	18		0.0 0.0 0.0	Medium dense, Gray-Brown, fine to coarse SAND, some fine to coarse GRAVEL, little Silt, wet	
24									
25	15 20 23 17	S-13		73	43		0.8 0.2 0.0 0.2	Very dense, Gray-Brown, fine to coarse SAND and fine to medium GRAVEL, trace Silt	
26									
27	18 20 17 9	S-14		65	37		0.0 0.0 0.0	...some fine rounded Gravel	
28								End of Boring @ 28.0'	
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-03

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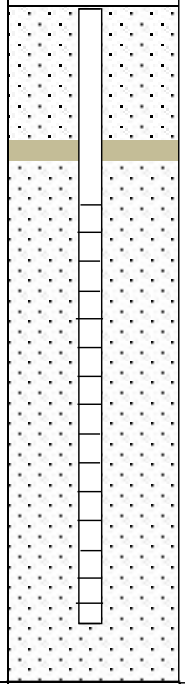
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, New York
DAY Representative: Z. Tennies
Drilling Contractor: Applus

MONITORING WELL MW-C

Ground Elevation: 98.26' Datum: 100'
Date Started: 9/11/2013 Date Ended: 9/12/2013
Water Level (Date): 75.65' (9-25-13)

Refer to Test Boring Log TB-03 for Soil Description



← Ground Surface

0.43 Depth to Well Casing (ft)

2.0 Depth to Bottom of Bentonite Surface Patch (ft)
Backfill Type Bentonite/Soil
16.0 Depth to Top of Bentonite Seal (ft)
17.0 Depth to Bottom of Bentonite Seal (ft)

18.0 Depth to Top of Well Screen (ft)

4.0 Diameter of Borehole (in)

Backfill Type Sand

1.5 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

28.0 Depth to Bottom of Well Screen (ft)

28.0 Depth to Bottom of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-C

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ENVIRONMENTAL CONSULTANTS

DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Split Spoon

Test Boring TB-04

Ground Elevation: Datum:
Date Started: 9/12/2013 Date Ended: 9/12/2013
Borehole Depth: 30.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 23.7' (9/12/13) through augers

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	7 5	S-1	0-2	32	11		0.0	Brown, Sand and Gravel, little Roots, damp (FILL)	**Monitoring Well MW-D**
2	6 5						0.0		
3	4 4	S-2	2-4	56	9		0.0	Loose Brown, coarse SAND, some fine to medium Gravel, trace Silt, damp	
4	5 5						0.0		
5	7 6	S-3	4-6	33	14		0.0	...medium dense	
6	8 12						0.0		
7	15 18	S-4	6-8	61	39		0.0	Dense, Brown, fine to coarse SAND and coarse GRAVEL, trace Silt, damp	
8	21 30						0.0		
9	15 22	S-5	8-10	46	52		0.0	...very dense	
10	30 40						0.0		
11									
12									
13									
14									
15									
16	9 17	S-6	15-16	58	58		0.0	...some Silt, moist	
	41						0.0		

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-04

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Project #: 4884S-13
Project Address: 211 Franklin Street
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DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Split Spoon

Test Boring TB-04

Ground Elevation: Datum:
Date Started: 9/12/2013 Date Ended: 9/12/2013
Borehole Depth: 30.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 23.73' (9/12/13)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	35						0.0 0.0	Very dense, Brown, medium to coarse SAND and fine to coarse GRAVEL, some Silt, moist	
18									
19									
20									
21									
22									
23	17 32 36 31	S-7	22-24	73	68		0.0 0.0 0.0 0.0		
24									
25	31 45 50/5	S-8	24-26	44			0.0 0.0 0.0 0.0	...Gray-Brown, little Silt	
26									
27	18 25 32 20	S-9	26-28	55	57		37.6 157 153 60.1	Very dense, Dark Gray, fine to coarse SAND and fine to coarse Gravel, some Silt, wet ...petroleum odor	
28									
29	8 17 23 27	S-10	28-30	70	40		184 279 170 236	...Dense, fine to coarse SAND and medium to coarse GRAVEL, petroleum odor	
30									
31								End of Boring @ 30.0'	
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-04

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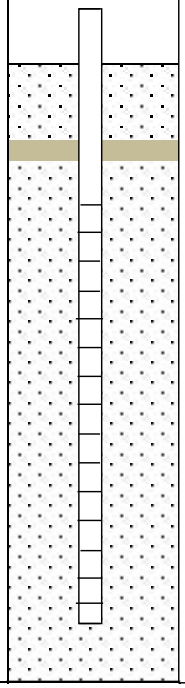
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, New York
DAY Representative: Z. Tennies
Drilling Contractor: Applus

MONITORING WELL MW-D

Ground Elevation: 99.28' Datum: 100'
Date Started: 9/12/2013 Date Ended: 9/12/2013
Water Level (Date): 75.57' (9-25-13)

Refer to Test Boring Log TB-04 for Soil Description



0.17 Height of Stickup (ft)

Ground Surface
2.0 Depth to Bottom of Bentonite Surface Patch (ft)
Backfill Type Soil
18.0 Depth to Top of Bentonite Seal (ft)
18.0 Depth to Bottom of Bentonite Seal (ft)

20.0 Depth to Top of Well Screen (ft)

4.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

30.0 Depth to Bottom of Well Screen (ft)

30.0 Depth to Bottom of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-D

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Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push & Split Spoon

Test Boring TB-05

Ground Elevation: Datum:
Date Started: 9/12/2013 Date Ended: 9/13/2013
Borehole Depth: 33.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 26.63' (9/13/13) through augers

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	CONCRETE	**Monitoring Well MW-E**
1							0.0	Brown, Sand and Gravel, with some Red Brick and Concrete, damp (FILL)	
2		S-1	0-4	51			0.0		
3							0.0		
4							0.0		
5							0.0		
6		S-2	4-8	73			0.0		
7							0.0		
8							0.0		
9							0.0		
10		S-3	8-12	75			0.0		
11							0.0	Brown, medium to coarse SAND and fine GRAVEL, moist	
12							0.0		
13							0.0		
14		S-4	12-16	85			0.0		
15							0.0	Brown, Silty medium to coarse SAND, some fine Gravel, moist	
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-05

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Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push & Split Spoon

Test Boring TB-05

Ground Elevation: Datum:
Date Started: 9/12/2013 Date Ended: 9/13/2013
Borehole Depth: 33.0' Borehole Diameter: 4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 26.63' (9/13/13)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17									**Test boring advanced to 16.6 feet bgs via direct push methods and completed to 33.0 feet bgs with H S A with split spoon samples colelcted at 5-foot intervals**
18			16-20						
19									
20		S-5	20-21	10.5			0.0	Brown, Silty fine to coarse SAND, some fine Gravel, moist	
21									
22									
23									
24									
25									
26		S-6	25-27					...wet	
27									
28									
29									
30							0.6	...Gray-Brown, some fine to coarse Gravel	
31		S-7	30-32				0.2 0.4		
32								Bottom of Hole @ 33.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-05

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AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

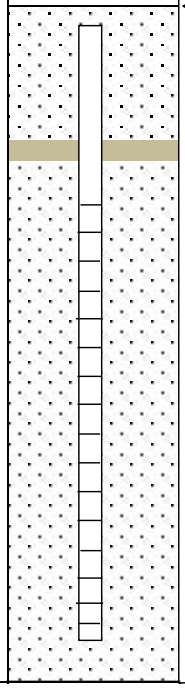
Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, New York
DAY Representative: Z. Tennies
Drilling Contractor: Applus

MONITORING WELL MW-E

Ground Elevation: 101.91' Datum: 100'
Date Started: 9/13/2013 Date Ended: 9/13/2013

Water Level (Date): 75.65' (9-25-13)

Refer to Test Boring Log TB-05 for Soil Description



Ground Surface

0.14 Depth to Well Casing (ft)

2.0 Depth to Bottom of Bentonite Surface Patch (ft)
Backfill Type Concrete/Soil
21.0 Depth to Top of Bentonite Seal (ft)
22.0 Depth to Bottom of Bentonite Seal (ft)

23.0 Depth to Top of Well Screen (ft)

4.0 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

33.0 Depth to Bottom of Well Screen (ft)

33.0 Depth to Bottom of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-E

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push

Test Boring TB-06

Ground Elevation: Datum:
Date Started: 9/10/2013 Date Ended: 9/10/2013
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.7	Brown, some Roots, damp (FILL)	
								Red-Brown, Silty SAND, some fine to medium Gravel, damp	
2	NA	S-1	0-4	58	NA	NA	0.6		
3							0.3		
4							0.2		
5							1.2		
								...Silty fine to medium SAND and coarse GRAVEL	
6	NA	S-2	4-8	45	NA	NA	0.0		
7							0.3		
8							0.3		
9							0.2		
10	NA	S-3	8-12	86	NA	NA	0.4		
11							0.3		
12							0.0		
								Equipment Refusal @ 12.0'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-06

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
Project Address: 211 Franklin Street
Olean, NY
DAY Representative: Z. Tennies
Drilling Contractor: Applus
Sampling Method: Direct Push

Test Boring TB-07

Ground Elevation: Datum:
Date Started: 9/13/2013 Date Ended: 9/13/2013
Borehole Depth: 4.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Brown-Black, some epoxy resin residue, some red brick, damp (FILL)	
2	NA	S-1	0-4	55	NA	NA	0.4	Black, Silty, fine to medium SAND, with some Coal residue, some crushed Concrete, damp (FILL)	
3							0.2	Brown, medium to coarse SAND, some medium Gravel, moist	
4							0.0		
5								Bottom of Hole @ 4.0'	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-07

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ATTACHMENT B

ANALYTICAL LABORATORY REPORTS

AND

CHAIN-OF-CUSTODY DOCUMENTATION

Report Date:
03-Oct-13 16:42

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606
Attn: Ray Kampff

Project: 211 Franklin St - Olean, NY
Project #: 48845-13

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB77308-01	MW-A	Ground Water	19-Sep-13 16:00	20-Sep-13 09:00
SB77308-02	MW-B	Ground Water	19-Sep-13 16:20	20-Sep-13 09:00
SB77308-03	MW-C	Ground Water	19-Sep-13 13:55	20-Sep-13 09:00
SB77308-04	MW-D	Ground Water	19-Sep-13 15:30	20-Sep-13 09:00
SB77308-05	MW-E	Ground Water	19-Sep-13 15:30	20-Sep-13 09:00
SB77308-06	Trip Blank	Trip Blank	19-Sep-13 00:00	20-Sep-13 09:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 41 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 1.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Samples:

SB77308-01 *MW-A*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-02 *MW-B*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-03 *MW-C*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-04 *MW-D*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-05 *MW-E*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

EPA 245.1/7470A

Spikes:

1323504-MS1 *Source: SB77308-02*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Mercury

1323504-MSD1 *Source: SB77308-02*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Mercury

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Mercury

1323504-PS1 *Source: SB77308-02*

EPA 245.1/7470A

Spikes:

1323504-PS1 *Source: SB77308-02*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Mercury

Duplicates:

1323504-DUP1 *Source: SB77308-02*

The Reporting Limit has been raised to account for matrix interference.

Mercury

Samples:

SB77308-02 *MW-B*

The Reporting Limit has been raised to account for matrix interference.

Mercury

SW846 6010C

Spikes:

1323503-MS1 *Source: SB77308-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum
Calcium
Iron
Magnesium

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Potassium

1323503-MSD1 *Source: SB77308-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum
Calcium
Iron
Magnesium

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Potassium

1323503-PS1 *Source: SB77308-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum
Calcium
Iron
Magnesium
Sodium

SW846 6010C

Duplicates:

1323503-DUP1 *Source: SB77308-02*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium
Manganese

The Reporting Limit has been raised to account for matrix interference.

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc

Samples:

SB77308-02 *MW-B*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium
Manganese

The Reporting Limit has been raised to account for matrix interference.

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc

SW846 6010C

Samples:

SB77308-04 *MW-D*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium

The Reporting Limit has been raised to account for matrix interference.

Silver

SW846 8100Mod.

Samples:

SB77308-01 *MW-A*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB77308-02 *MW-B*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8260C

Calibration:

1309039

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
1,4-Dioxane
2-Hexanone (MBK)
4-Isopropyltoluene
4-Methyl-2-pentanone (MIBK)
Acrylonitrile
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Hexachlorobutadiene
Naphthalene
n-Butylbenzene
n-Propylbenzene
sec-Butylbenzene
Styrene
Tert-amyl methyl ether
Tert-Butanol / butyl alcohol
tert-Butylbenzene
Tetrahydrofuran
trans-1,3-Dichloropropene

SW846 8260C

Calibration:

1309039

This affected the following samples:

1323343-BLK1
1323343-BS1
1323343-BSD1
MW-B
MW-E
S311250-ICV1
S311665-CCV1
Trip Blank

1309057

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,3,5-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
Tert-Butanol / butyl alcohol
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1323478-BLK1
1323478-BS1
1323478-BSD1
MW-A
MW-C
MW-D
S311651-ICV1
S311744-CCV1

S311250-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,4-Dioxane (131%)
2-Hexanone (MBK) (124%)
4-Methyl-2-pentanone (MIBK) (126%)
Acetone (123%)
Tert-Butanol / butyl alcohol (125%)
Tetrahydrofuran (121%)

This affected the following samples:

1323343-BLK1
1323343-BS1
1323343-BSD1
MW-B
MW-E
S311665-CCV1
Trip Blank

S311651-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dichlorodifluoromethane (Freon12) (127%)
Trichlorofluoromethane (Freon 11) (121%)

SW846 8260C

Calibration:

S311651-ICV1

This affected the following samples:

1323478-BLK1
1323478-BS1
1323478-BSD1
MW-A
MW-C
MW-D
S311744-CCV1

Laboratory Control Samples:

1323343 BS/BSD

Ethyl tert-butyl ether percent recoveries (67/70) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-B
MW-E
Trip Blank

Tert-amyl methyl ether percent recoveries (61/72) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-B
MW-E
Trip Blank

Samples:

S311665-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Ethyl tert-butyl ether (-24.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,4-Dioxane (-21.8%)
Tert-amyl methyl ether (-29.0%)
Tert-Butanol / butyl alcohol (-23.9%)

This affected the following samples:

1323343-BLK1
1323343-BS1
1323343-BSD1
MW-B
MW-E
Trip Blank

SB77308-02 *MW-B*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.

4-Bromofluorobenzene

SW846 8270D

Calibration:

SW846 8270D

Calibration:

1309046

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
3,3´-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
Benzidine
Benzoic acid
Di-n-octyl phthalate
Hexachlorocyclopentadiene
Pentachlorophenol

This affected the following samples:

1323267-BLK1
1323267-BS1
1323267-BSD1
MW-A
MW-B
MW-D
MW-E
S311567-ICV1
S311763-CCV1
S311874-CCV1

S311567-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

4-Nitrophenol (121%)
Benzidine (77%)

This affected the following samples:

1323267-BLK1
1323267-BS1
1323267-BSD1
MW-A
MW-B
MW-D
MW-E
S311763-CCV1
S311874-CCV1

Laboratory Control Samples:

1323267 BS/BSD

Pyridine percent recoveries (39/43) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-A
MW-B
MW-D
MW-E

1323267 BSD

Benzidine RPD 56% (20%) is outside individual acceptance criteria.

Hexachlorocyclopentadiene RPD 23% (20%) is outside individual acceptance criteria.

SW846 8270D

Samples:

S311763-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Nitroaniline (23.0%)
3-Nitroaniline (20.3%)
Bis(2-chloroisopropyl)ether (34.4%)
Bis(2-ethylhexyl)phthalate (25.5%)
Butyl benzyl phthalate (25.5%)
N-Nitrosodi-n-propylamine (20.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrophenol (42.0%)
4,6-Dinitro-2-methylphenol (32.2%)

This affected the following samples:

1323267-BLK1
1323267-BS1
1323267-BSD1

S311874-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrotoluene (20.3%)
2-Nitroaniline (24.1%)
3-Nitroaniline (20.9%)
Bis(2-chloroisopropyl)ether (23.6%)
Bis(2-ethylhexyl)phthalate (32.8%)
Butyl benzyl phthalate (30.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrophenol (37.0%)
4,6-Dinitro-2-methylphenol (29.7%)
Benzidine (41.4%)

This affected the following samples:

MW-A
MW-B
MW-D
MW-E

SB77308-01 *MW-A*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

2,4,6-Tribromophenol
2-Fluorobiphenyl
2-Fluorophenol
Nitrobenzene-d5
Phenol-d5
Terphenyl-dl4

SB77308-02 *MW-B*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SW846 8270D

Samples:

SB77308-02 *MW-B*

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

2,4,6-Tribromophenol
2-Fluorobiphenyl
2-Fluorophenol
Nitrobenzene-d5
Phenol-d5
Terphenyl-dl4

Sample Acceptance Check Form

Client:	Day Environmental, Inc.
Project:	211 Franklin St - Olean, NY / 48845-13
Work Order:	SB77308
Sample(s) received on:	9/20/2013
Received by:	Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-A	48845-13	Ground Water	19-Sep-13 16:00	20-Sep-13
SB77308-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.65	U	µg/l	1.00	0.65	1	SW846 8260C	30-Sep-13	30-Sep-13	JEG	1323478	X
67-64-1	Acetone	**10.1**		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
71-43-2	Benzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.60	U	µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.14	U	µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	**2.40**	J	µg/l	10.0	1.93	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.56	U	µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.82	U	µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**5.38**		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1.28	U	µg/l	2.00	1.28	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.55	U	µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.00	U	µg/l	2.00	1.00	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.47	U	µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.79	U	µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1.20	U	µg/l	2.00	1.20	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.34	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.45	U	µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.68	U	µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.49	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.83	U	µg/l	1.00	0.83	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.77	U	µg/l	1.00	0.77	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.87	U	µg/l	1.00	0.87	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.95	U	µg/l	1.00	0.95	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.49	U	µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.66	U	µg/l	10.0	0.66	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-A	48845-13	Ground Water	19-Sep-13 16:00	20-Sep-13
SB77308-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.62	U	µg/l	1.00	0.62	1	SW846 8260C	30-Sep-13	30-Sep-13	JEG	1323478	X
99-87-6	4-Isopropyltoluene	< 0.61	U	µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.76	U	µg/l	10.0	2.76	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.95	U	µg/l	2.00	0.95	1	"	"	"	"	"	X
91-20-3	Naphthalene	**0.59**	J	µg/l	1.00	0.58	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.32	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.38	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.36	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.63	U	µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.64	U	µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.88	U	µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.44	U	µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 8.64	U	µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 12.0	U	µg/l	20.0	12.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 0.74	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
64-17-5	Ethanol	< 35.0	U	µg/l	400	35.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-A	48845-13	Ground Water	19-Sep-13 16:00	20-Sep-13
SB77308-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
488-23-3	Benzene, 1,2,3,4-tetramethyl-	22.9	TIC	µg/l			1	SW846 8260C TICs	30-Sep-13	30-Sep-13	JEG	1323478	
95-93-2	Benzene, 1,2,4,5-tetramethyl-	19.6	TIC	µg/l			1	"	"	"	"	"	
3454-07-7	Benzene, 1-ethenyl-4-ethyl-	10.8	TIC	µg/l			1	"	"	"	"	"	
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	13.4	TIC	µg/l			1	"	"	"	"	"	
	Cyclohexane, 1,1,3-trimethyl-	10.7	TIC	µg/l			1	"	"	"	"	"	
	Cyclohexane, 1,1-dimethyl-	12.5	TIC	µg/l			1	"	"	"	"	"	
	Cyclohexane, 1,2-dimethyl-,...	19.0	TIC	µg/l			1	"	"	"	"	"	
004850-28-6	Cyclopentane, 1,2,4-trimeth...	13.3	TIC	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R05										
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 50.0	U, D	µg/l	278	50.0	50	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
208-96-8	Acenaphthylene	< 48.3	U, D	µg/l	278	48.3	50	"	"	"	"	"	X
62-53-3	Aniline	< 35.0	U, D	µg/l	278	35.0	50	"	"	"	"	"	X
120-12-7	Anthracene	< 50.0	U, D	µg/l	278	50.0	50	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 41.7	U, D	µg/l	278	41.7	50	"	"	"	"	"	
92-87-5	Benzidine	< 243	U, D	µg/l	278	243	50	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 66.1	U, D	µg/l	278	66.1	50	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 48.3	U, D	µg/l	278	48.3	50	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 47.2	U, D	µg/l	278	47.2	50	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 50.0	U, D	µg/l	278	50.0	50	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 61.7	U, D	µg/l	278	61.7	50	"	"	"	"	"	X
65-85-0	Benzoic acid	< 121	U, D	µg/l	278	121	50	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 51.7	U, D	µg/l	278	51.7	50	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 38.9	U, D	µg/l	278	38.9	50	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 46.7	U, D	µg/l	278	46.7	50	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 54.4	U, D	µg/l	278	54.4	50	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 56.7	U, D	µg/l	278	56.7	50	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 47.2	U, D	µg/l	278	47.2	50	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 57.2	U, D	µg/l	278	57.2	50	"	"	"	"	"	X
86-74-8	Carbazole	< 178	U, D	µg/l	278	178	50	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 52.8	U, D	µg/l	278	52.8	50	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 31.1	U, D	µg/l	278	31.1	50	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 48.3	U, D	µg/l	278	48.3	50	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 53.3	U, D	µg/l	278	53.3	50	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 49.4	U, D	µg/l	278	49.4	50	"	"	"	"	"	X
218-01-9	Chrysene	< 63.3	U, D	µg/l	278	63.3	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-A	48845-13	Ground Water	19-Sep-13 16:00	20-Sep-13
SB77308-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R05										
Prepared by method SW846 3510C													
53-70-3	Dibenzo (a,h) anthracene	< 51.7	U, D	µg/l	278	51.7	50	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
132-64-9	Dibenzofuran	< 48.9	U, D	µg/l	278	48.9	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 54.4	U, D	µg/l	278	54.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 53.3	U, D	µg/l	278	53.3	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 55.6	U, D	µg/l	278	55.6	50	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 37.8	U, D	µg/l	278	37.8	50	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 45.6	U, D	µg/l	278	45.6	50	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 47.8	U, D	µg/l	278	47.8	50	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 50.6	U, D	µg/l	278	50.6	50	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 45.0	U, D	µg/l	278	45.0	50	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 52.2	U, D	µg/l	278	52.2	50	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 37.2	U, D	µg/l	278	37.2	50	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 159	U, D	µg/l	278	159	50	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 52.2	U, D	µg/l	278	52.2	50	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 52.2	U, D	µg/l	278	52.2	50	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 43.3	U, D	µg/l	278	43.3	50	"	"	"	"	"	X
206-44-0	Fluoranthene	< 53.3	U, D	µg/l	278	53.3	50	"	"	"	"	"	X
86-73-7	Fluorene	< 50.0	U, D	µg/l	278	50.0	50	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 51.7	U, D	µg/l	278	51.7	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 46.1	U, D	µg/l	278	46.1	50	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 262	U, D	µg/l	278	262	50	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 56.1	U, D	µg/l	278	56.1	50	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 51.1	U, D	µg/l	278	51.1	50	"	"	"	"	"	X
78-59-1	Isophorone	< 46.1	U, D	µg/l	278	46.1	50	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 50.6	U, D	µg/l	278	50.6	50	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 53.3	U, D	µg/l	278	53.3	50	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 52.2	U, D	µg/l	556	52.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 49.4	U, D	µg/l	278	49.4	50	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 45.6	U, D	µg/l	278	45.6	50	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 35.6	U, D	µg/l	278	35.6	50	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 40.0	U, D	µg/l	1110	40.0	50	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 52.8	U, D	µg/l	278	52.8	50	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 57.2	U, D	µg/l	278	57.2	50	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 155	U, D	µg/l	1110	155	50	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 56.1	U, D	µg/l	278	56.1	50	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 51.1	U, D	µg/l	278	51.1	50	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 53.3	U, D	µg/l	278	53.3	50	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 45.0	U, D	µg/l	1110	45.0	50	"	"	"	"	"	X
85-01-8	Phenanthrene	< 48.3	U, D	µg/l	278	48.3	50	"	"	"	"	"	X
108-95-2	Phenol	< 52.8	U, D	µg/l	278	52.8	50	"	"	"	"	"	X
129-00-0	Pyrene	< 71.1	U, D	µg/l	278	71.1	50	"	"	"	"	"	X
110-86-1	Pyridine	< 53.9	U, D	µg/l	278	53.9	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 51.1	U, D	µg/l	278	51.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-A SB77308-01	48845-13	Ground Water	19-Sep-13 16:00	20-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3510C			R05										
90-12-0	1-Methylnaphthalene	< 51.7	U, D	µg/l	278	51.7	50	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	
95-95-4	2,4,5-Trichlorophenol	< 46.1	U, D	µg/l	278	46.1	50	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 43.3	U, D	µg/l	278	43.3	50	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 50.6	U, D	µg/l	278	50.6	50	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 53.3	U, D	µg/l	278	53.3	50	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*0*	S01, U		*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*0*	S01, U		*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*0*	S01, U		*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*0*	S01, U		*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*0*	S01, U		*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*0*	S01, U		*15-110 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3510C			GS1										
8006-61-9	Gasoline	< 1.1	U, D	mg/l	1.1	1.1	5	SW846 8100Mod.	27-Sep-13	30-Sep-13	SEP	1323309	
68476-30-2	Fuel Oil #2	**Calculated as**		mg/l	1.1	0.9	5	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.1	U, D	mg/l	1.1	0.1	5	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 1.0	U, D	mg/l	1.1	1.0	5	"	"	"	"	"	
M09800000	Motor Oil	< 0.9	U, D	mg/l	1.1	0.9	5	"	"	"	"	"	
8032-32-4	Ligroin	< 0.3	U, D	mg/l	1.1	0.3	5	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.3	U, D	mg/l	1.1	0.3	5	"	"	"	"	"	
	Hydraulic Oil	< 0.1	U, D	mg/l	1.1	0.1	5	"	"	"	"	"	
	Dielectric Fluid	< 0.3	U, D	mg/l	1.1	0.3	5	"	"	"	"	"	
	Unidentified	**139**	D	mg/l	1.1	0.3	5	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/l	1.1	0.1	5	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**139**	D	mg/l	1.1	0.1	5	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*66*			*40-140 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-B	48845-13	Ground Water	19-Sep-13 16:20	20-Sep-13
SB77308-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 647	U, D	µg/l	1000	647	1000	SW846 8260C	27-Sep-13	27-Sep-13	naa	1323343	X
67-64-1	Acetone	**4,260**	J, D	µg/l	10000	2560	1000	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 475	U, D	µg/l	500	475	1000	"	"	"	"	"	X
71-43-2	Benzene	< 669	U, D	µg/l	1000	669	1000	"	"	"	"	"	X
108-86-1	Bromobenzene	< 721	U, D	µg/l	1000	721	1000	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 710	U, D	µg/l	1000	710	1000	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 479	U, D	µg/l	500	479	1000	"	"	"	"	"	X
75-25-2	Bromoform	< 603	U, D	µg/l	1000	603	1000	"	"	"	"	"	X
74-83-9	Bromomethane	< 1140	U, D	µg/l	2000	1140	1000	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1930	U, D	µg/l	10000	1930	1000	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 562	U, D	µg/l	1000	562	1000	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 820	U, D	µg/l	1000	820	1000	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**3,130**	D	µg/l	1000	745	1000	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1280	U, D	µg/l	2000	1280	1000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 549	U, D	µg/l	1000	549	1000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 654	U, D	µg/l	1000	654	1000	"	"	"	"	"	X
75-00-3	Chloroethane	< 1000	U, D	µg/l	2000	1000	1000	"	"	"	"	"	X
67-66-3	Chloroform	< 689	U, D	µg/l	1000	689	1000	"	"	"	"	"	X
74-87-3	Chloromethane	< 1470	U, D	µg/l	2000	1470	1000	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 791	U, D	µg/l	1000	791	1000	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 731	U, D	µg/l	1000	731	1000	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1200	U, D	µg/l	2000	1200	1000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 343	U, D	µg/l	500	343	1000	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 361	U, D	µg/l	500	361	1000	"	"	"	"	"	X
74-95-3	Dibromomethane	< 666	U, D	µg/l	1000	666	1000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 668	U, D	µg/l	1000	668	1000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 712	U, D	µg/l	1000	712	1000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 624	U, D	µg/l	1000	624	1000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 447	U, D	µg/l	2000	447	1000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 680	U, D	µg/l	1000	680	1000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 781	U, D	µg/l	1000	781	1000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 488	U, D	µg/l	1000	488	1000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 716	U, D	µg/l	1000	716	1000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 832	U, D	µg/l	1000	832	1000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 771	U, D	µg/l	1000	771	1000	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 807	U, D	µg/l	1000	807	1000	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 872	U, D	µg/l	1000	872	1000	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 636	U, D	µg/l	1000	636	1000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 364	U, D	µg/l	500	364	1000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 499	U, D	µg/l	500	499	1000	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 951	U, D	µg/l	1000	951	1000	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 489	U, D	µg/l	500	489	1000	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 658	U, D	µg/l	10000	658	1000	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-B	48845-13	Ground Water	19-Sep-13 16:20	20-Sep-13
SB77308-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			R05										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 621	U, D	µg/l	1000	621	1000	SW846 8260C	27-Sep-13	27-Sep-13	naa	1323343	X
99-87-6	4-Isopropyltoluene	< 609	U, D	µg/l	1000	609	1000	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 652	U, D	µg/l	1000	652	1000	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2760	U, D	µg/l	10000	2760	1000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 947	U, D	µg/l	2000	947	1000	"	"	"	"	"	X
91-20-3	Naphthalene	< 579	U, D	µg/l	1000	579	1000	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 758	U, D	µg/l	1000	758	1000	"	"	"	"	"	X
100-42-5	Styrene	< 615	U, D	µg/l	1000	615	1000	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 672	U, D	µg/l	1000	672	1000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 317	U, D	µg/l	500	317	1000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 743	U, D	µg/l	1000	743	1000	"	"	"	"	"	X
108-88-3	Toluene	< 812	U, D	µg/l	1000	812	1000	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 376	U, D	µg/l	1000	376	1000	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 360	U, D	µg/l	1000	360	1000	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 784	U, D	µg/l	1000	784	1000	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 582	U, D	µg/l	1000	582	1000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 642	U, D	µg/l	1000	642	1000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 755	U, D	µg/l	1000	755	1000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 628	U, D	µg/l	1000	628	1000	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 736	U, D	µg/l	1000	736	1000	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 757	U, D	µg/l	1000	757	1000	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 744	U, D	µg/l	1000	744	1000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 807	U, D	µg/l	1000	807	1000	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1640	U, D	µg/l	2000	1640	1000	"	"	"	"	"	X
95-47-6	o-Xylene	< 882	U, D	µg/l	1000	882	1000	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1440	U, D	µg/l	2000	1440	1000	"	"	"	"	"	
60-29-7	Ethyl ether	< 693	U, D	µg/l	1000	693	1000	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 719	U, D	µg/l	1000	719	1000	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 782	U, D	µg/l	1000	782	1000	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 727	U, D	µg/l	1000	727	1000	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 8640	U, D	µg/l	10000	8640	1000	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 12000	U, D	µg/l	20000	12000	1000	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 737	U, D	µg/l	5000	737	1000	"	"	"	"	"	X
64-17-5	Ethanol	< 35000	U, D	µg/l	400000	35000	1000	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*139*	SGCMSV OC		*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-B	48845-13	Ground Water	19-Sep-13 16:20	20-Sep-13
SB77308-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
000591-21-9	1,3-Dimethylcyclohexane, c&t	**116,000**	TIC, D	µg/l			1000	SW846 8260C TICs	27-Sep-13	27-Sep-13	naa	1323343	
003728-56-1	1-Ethyl-4-methylcyclohexane	**69,400**	TIC, D	µg/l			1000	"	"	"	"	"	
	Cyclohexane, 1,1,3-trimethyl-	**78,300**	TIC, D	µg/l			1000	"	"	"	"	"	
	Cyclohexane, 1,2-dimethyl-	**57,800**	TIC, D	µg/l			1000	"	"	"	"	"	
006236-88-0	Cyclohexane, 1-ethyl-4-meth...	**104,000**	TIC, D	µg/l			1000	"	"	"	"	"	
	Heptane, 2,5-dimethyl-	**102,000**	TIC, D	µg/l			1000	"	"	"	"	"	
	Undecane, 5,6-dimethyl-	**87,700**	TIC, D	µg/l			1000	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R05										
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 108	U, D	µg/l	602	108	100	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
208-96-8	Acenaphthylene	< 105	U, D	µg/l	602	105	100	"	"	"	"	"	X
62-53-3	Aniline	< 75.9	U, D	µg/l	602	75.9	100	"	"	"	"	"	X
120-12-7	Anthracene	< 108	U, D	µg/l	602	108	100	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 90.4	U, D	µg/l	602	90.4	100	"	"	"	"	"	
92-87-5	Benzidine	< 527	U, D	µg/l	602	527	100	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 143	U, D	µg/l	602	143	100	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 105	U, D	µg/l	602	105	100	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 102	U, D	µg/l	602	102	100	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 108	U, D	µg/l	602	108	100	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 134	U, D	µg/l	602	134	100	"	"	"	"	"	X
65-85-0	Benzoic acid	< 261	U, D	µg/l	602	261	100	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 112	U, D	µg/l	602	112	100	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 84.3	U, D	µg/l	602	84.3	100	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 101	U, D	µg/l	602	101	100	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 118	U, D	µg/l	602	118	100	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 123	U, D	µg/l	602	123	100	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 102	U, D	µg/l	602	102	100	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 124	U, D	µg/l	602	124	100	"	"	"	"	"	X
86-74-8	Carbazole	< 387	U, D	µg/l	602	387	100	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 114	U, D	µg/l	602	114	100	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 67.5	U, D	µg/l	602	67.5	100	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 105	U, D	µg/l	602	105	100	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 116	U, D	µg/l	602	116	100	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 107	U, D	µg/l	602	107	100	"	"	"	"	"	X
218-01-9	Chrysene	< 137	U, D	µg/l	602	137	100	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 112	U, D	µg/l	602	112	100	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 106	U, D	µg/l	602	106	100	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 118	U, D	µg/l	602	118	100	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-B	48845-13	Ground Water	19-Sep-13 16:20	20-Sep-13
SB77308-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R05										
Prepared by method SW846 3510C													
541-73-1	1,3-Dichlorobenzene	< 116	U, D	µg/l	602	116	100	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
106-46-7	1,4-Dichlorobenzene	< 120	U, D	µg/l	602	120	100	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 81.9	U, D	µg/l	602	81.9	100	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 98.8	U, D	µg/l	602	98.8	100	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 104	U, D	µg/l	602	104	100	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 110	U, D	µg/l	602	110	100	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 97.6	U, D	µg/l	602	97.6	100	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 113	U, D	µg/l	602	113	100	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 80.7	U, D	µg/l	602	80.7	100	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 346	U, D	µg/l	602	346	100	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 113	U, D	µg/l	602	113	100	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 113	U, D	µg/l	602	113	100	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 94.0	U, D	µg/l	602	94.0	100	"	"	"	"	"	X
206-44-0	Fluoranthene	< 116	U, D	µg/l	602	116	100	"	"	"	"	"	X
86-73-7	Fluorene	< 108	U, D	µg/l	602	108	100	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 112	U, D	µg/l	602	112	100	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 100	U, D	µg/l	602	100	100	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 569	U, D	µg/l	602	569	100	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 122	U, D	µg/l	602	122	100	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 111	U, D	µg/l	602	111	100	"	"	"	"	"	X
78-59-1	Isophorone	< 100	U, D	µg/l	602	100	100	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 110	U, D	µg/l	602	110	100	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 116	U, D	µg/l	602	116	100	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 113	U, D	µg/l	1200	113	100	"	"	"	"	"	X
91-20-3	Naphthalene	< 107	U, D	µg/l	602	107	100	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 98.8	U, D	µg/l	602	98.8	100	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 77.1	U, D	µg/l	602	77.1	100	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 86.7	U, D	µg/l	2410	86.7	100	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 114	U, D	µg/l	602	114	100	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 124	U, D	µg/l	602	124	100	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 336	U, D	µg/l	2410	336	100	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 122	U, D	µg/l	602	122	100	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 111	U, D	µg/l	602	111	100	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 116	U, D	µg/l	602	116	100	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 97.6	U, D	µg/l	2410	97.6	100	"	"	"	"	"	X
85-01-8	Phenanthrene	< 105	U, D	µg/l	602	105	100	"	"	"	"	"	X
108-95-2	Phenol	< 114	U, D	µg/l	602	114	100	"	"	"	"	"	X
129-00-0	Pyrene	< 154	U, D	µg/l	602	154	100	"	"	"	"	"	X
110-86-1	Pyridine	< 117	U, D	µg/l	602	117	100	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 111	U, D	µg/l	602	111	100	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 112	U, D	µg/l	602	112	100	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 100	U, D	µg/l	602	100	100	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 94.0	U, D	µg/l	602	94.0	100	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-B SB77308-02	48845-13	Ground Water	19-Sep-13 16:20	20-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds			R05										
Prepared by method SW846 3510C													
82-68-8	Pentachloronitrobenzene	< 110	U, D	µg/l	602	110	100	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 116	U, D	µg/l	602	116	100	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*0*	S01, U		*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*0*	S01, U		*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*0*	S01, U		*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*0*	S01, U		*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*0*	S01, U		*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*0*	S01, U		*15-110 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC			GS1										
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 11.4	U, D	mg/l	11.8	11.4	50	SW846 8100Mod.	27-Sep-13	01-Oct-13	SEP	1323309	
68476-30-2	Fuel Oil #2	**Calculated as**		mg/l	11.8	8.8	50	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 1.2	U, D	mg/l	11.8	1.2	50	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 10.1	U, D	mg/l	11.8	10.1	50	"	"	"	"	"	
M09800000	Motor Oil	< 9.5	U, D	mg/l	11.8	9.5	50	"	"	"	"	"	
8032-32-4	Ligroin	< 2.9	U, D	mg/l	11.8	2.9	50	"	"	"	"	"	
J00100000	Aviation Fuel	< 2.9	U, D	mg/l	11.8	2.9	50	"	"	"	"	"	
	Hydraulic Oil	< 1.2	U, D	mg/l	11.8	1.2	50	"	"	"	"	"	
	Dielectric Fluid	< 2.9	U, D	mg/l	11.8	2.9	50	"	"	"	"	"	
	Unidentified	**483**	D	mg/l	11.8	2.9	50	"	"	"	"	"	
	Other Oil	**Calculated as**		mg/l	11.8	1.2	50	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**483**	D	mg/l	11.8	1.2	50	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*58*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Lab Preserved**		N/A			1	EPA 200/6000 methods	25-Sep-13	25-Sep-13	LNB	1323140	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0086	R01, U,LIV	mg/l	0.100	0.0086	1	SW846 6010C	30-Sep-13	01-Oct-13	edt	1323503	X
7429-90-5	Aluminum	**588**	R01,LIV	mg/l	0.250	0.0760	1	"	"	"	"	"	X
7440-38-2	Arsenic	**1.03**	R01,LIV	mg/l	0.0400	0.0181	1	"	"	"	"	"	X
7440-39-3	Barium	**5.86**	R01,LIV	mg/l	0.0500	0.0068	1	"	"	"	"	"	X
7440-41-7	Beryllium	**0.0257**	R01,LIV	mg/l	0.0200	0.0018	1	"	"	"	"	"	X
7440-70-2	Calcium	**2,840**	GS1, D,LIV	mg/l	2.00	0.367	2	"	"	01-Oct-13	"	"	X
7440-43-9	Cadmium	< 0.0082	R01, U,LIV	mg/l	0.0250	0.0082	1	"	"	01-Oct-13	"	"	X
7440-48-4	Cobalt	**0.484**	R01,LIV	mg/l	0.0500	0.0027	1	"	"	"	"	"	X
7440-47-3	Chromium	**2.14**	R01,LIV	mg/l	0.0500	0.0093	1	"	"	"	"	"	X
7440-50-8	Copper	**2.05**	R01,LIV	mg/l	0.0500	0.0110	1	"	"	"	"	"	X
7439-89-6	Iron	**1,220**	R01,LIV	mg/l	0.150	0.0745	1	"	"	01-Oct-13	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-B SB77308-02	48845-13	Ground Water	19-Sep-13 16:20	20-Sep-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-09-7	Potassium	**94.5**	R01,LIV	mg/l	5.00	0.595	1	SW846 6010C	30-Sep-13	01-Oct-13	JLM	1323503	X
7439-95-4	Magnesium	**557**	GS1, D,LIV	mg/l	0.200	0.0250	2	"	"	01-Oct-13	"	"	X
7439-96-5	Manganese	**59.5**	GS1, D,LIV	mg/l	0.0400	0.0230	2	"	"	"	"	"	X
7440-23-5	Sodium	**191**	R01,LIV	mg/l	2.50	0.325	1	"	"	01-Oct-13	"	"	X
7440-02-0	Nickel	**1.12**	R01,LIV	mg/l	0.0500	0.0073	1	"	"	01-Oct-13	"	"	X
7439-92-1	Lead	**1.85**	R01,LIV	mg/l	0.0750	0.0200	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0142	R01, U,LIV	mg/l	0.0600	0.0142	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0302	R01, U,LIV	mg/l	0.150	0.0302	1	"	"	"	"	"	X
7440-28-0	Thallium	**0.0485**	R01, J,LIV	mg/l	0.0500	0.0294	1	"	"	"	"	"	X
7440-62-2	Vanadium	**0.846**	R01,LIV	mg/l	0.0500	0.0094	1	"	"	"	"	"	X
7440-66-6	Zinc	**6.56**	R01,LIV	mg/l	0.0500	0.0196	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	**0.00049**	R01, J,LIV	mg/l	0.00080	0.00031	1	EPA 245.1/7470A	30-Sep-13	02-Oct-13	LR	1323504	X
General Chemistry Parameters													
57-12-5	Cyanide (total)	< 0.00360	U	mg/l	0.00500	0.00360	1	EPA 335.4 / SW846 9012B	01-Oct-13	01-Oct-13	RLT	1323632	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-C	48845-13	Ground Water	19-Sep-13 13:55	20-Sep-13
SB77308-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.65	U	µg/l	1.00	0.65	1	SW846 8260C	30-Sep-13	30-Sep-13	JEG	1323478	X
67-64-1	Acetone	< 2.56	U	µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
71-43-2	Benzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.60	U	µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.14	U	µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.93	U	µg/l	10.0	1.93	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.56	U	µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.82	U	µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1.28	U	µg/l	2.00	1.28	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.55	U	µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.00	U	µg/l	2.00	1.00	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.47	U	µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.79	U	µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1.20	U	µg/l	2.00	1.20	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.34	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.45	U	µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.68	U	µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.49	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.83	U	µg/l	1.00	0.83	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.77	U	µg/l	1.00	0.77	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.87	U	µg/l	1.00	0.87	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.95	U	µg/l	1.00	0.95	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.49	U	µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.66	U	µg/l	10.0	0.66	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-C	48845-13	Ground Water	19-Sep-13 13:55	20-Sep-13
SB77308-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.62	U	µg/l	1.00	0.62	1	SW846 8260C	30-Sep-13	30-Sep-13	JEG	1323478	X
99-87-6	4-Isopropyltoluene	< 0.61	U	µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.76	U	µg/l	10.0	2.76	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.95	U	µg/l	2.00	0.95	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.32	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	**0.84**	J	µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.38	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.36	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.63	U	µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.64	U	µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.88	U	µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.44	U	µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 8.64	U	µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 12.0	U	µg/l	20.0	12.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 0.74	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
64-17-5	Ethanol	< 35.0	U	µg/l	400	35.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-C	48845-13	Ground Water	19-Sep-13 13:55	20-Sep-13
SB77308-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	30-Sep-13	30-Sep-13	JEG	1323478	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2	U	mg/l	0.2	0.2	1	SW846 8100Mod.	27-Sep-13	01-Oct-13	SEP	1323309	
68476-30-2	Fuel Oil #2	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
8032-32-4	Ligroin	< 0.06	U	mg/l	0.2	0.06	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.06	U	mg/l	0.2	0.06	1	"	"	"	"	"	
	Hydraulic Oil	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
	Dielectric Fluid	< 0.06	U	mg/l	0.2	0.06	1	"	"	"	"	"	
	Unidentified	< 0.06	U	mg/l	0.2	0.06	1	"	"	"	"	"	
	Other Oil	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*69*			*40-140 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-D	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.65	U	µg/l	1.00	0.65	1	SW846 8260C	30-Sep-13	30-Sep-13	JEG	1323478	X
67-64-1	Acetone	< 2.56	U	µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
71-43-2	Benzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.60	U	µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.14	U	µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.93	U	µg/l	10.0	1.93	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.56	U	µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**1.05**		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	**1.90**		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1.28	U	µg/l	2.00	1.28	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.55	U	µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.00	U	µg/l	2.00	1.00	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.47	U	µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.79	U	µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1.20	U	µg/l	2.00	1.20	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.34	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.45	U	µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.68	U	µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.49	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.83	U	µg/l	1.00	0.83	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.77	U	µg/l	1.00	0.77	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.87	U	µg/l	1.00	0.87	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.95	U	µg/l	1.00	0.95	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.49	U	µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.66	U	µg/l	10.0	0.66	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-D	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.62	U	µg/l	1.00	0.62	1	SW846 8260C	30-Sep-13	30-Sep-13	JEG	1323478	X
99-87-6	4-Isopropyltoluene	< 0.61	U	µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.76	U	µg/l	10.0	2.76	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.95	U	µg/l	2.00	0.95	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.32	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.38	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.36	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.63	U	µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.64	U	µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.88	U	µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.44	U	µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 8.64	U	µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 12.0	U	µg/l	20.0	12.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 0.74	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
64-17-5	Ethanol	< 35.0	U	µg/l	400	35.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-D	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
004912-92-9	1H-Indene, 2,3-dihydro-1,1-...	10.7	TIC	µg/l			1	SW846 8260C TICs	30-Sep-13	30-Sep-13	JEG	1323478	
020836-11-7	1H-Indene,2,3-dihydro-2,2-d...	9.1	TIC	µg/l			1	"	"	"	"	"	
001196-58-3	Benzene, (1-ethylpropyl)-	8.0	TIC	µg/l			1	"	"	"	"	"	
	Cyclohexane, 1,1,3-trimethyl-	8.7	TIC	µg/l			1	"	"	"	"	"	
000091-17-8	Naphthalene, decahydro-	12.2	TIC	µg/l			1	"	"	"	"	"	
032273-77-1	Pentalene, octahydro-1-methyl-	10.9	TIC	µg/l			1	"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.928	U	µg/l	5.15	0.928	1	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
208-96-8	Acenaphthylene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
62-53-3	Aniline	< 0.649	U	µg/l	5.15	0.649	1	"	"	"	"	"	X
120-12-7	Anthracene	< 0.928	U	µg/l	5.15	0.928	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 0.773	U	µg/l	5.15	0.773	1	"	"	"	"	"	
92-87-5	Benzidine	< 4.51	U	µg/l	5.15	4.51	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.876	U	µg/l	5.15	0.876	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.928	U	µg/l	5.15	0.928	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1.14	U	µg/l	5.15	1.14	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 2.24	U	µg/l	5.15	2.24	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 0.722	U	µg/l	5.15	0.722	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 0.866	U	µg/l	5.15	0.866	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 1.01	U	µg/l	5.15	1.01	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 1.05	U	µg/l	5.15	1.05	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 0.876	U	µg/l	5.15	0.876	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 1.06	U	µg/l	5.15	1.06	1	"	"	"	"	"	X
86-74-8	Carbazole	< 3.31	U	µg/l	5.15	3.31	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 0.979	U	µg/l	5.15	0.979	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 0.577	U	µg/l	5.15	0.577	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 0.918	U	µg/l	5.15	0.918	1	"	"	"	"	"	X
218-01-9	Chrysene	< 1.18	U	µg/l	5.15	1.18	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 0.907	U	µg/l	5.15	0.907	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.01	U	µg/l	5.15	1.01	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-D	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3510C													
106-46-7	1,4-Dichlorobenzene	< 1.03	U	µg/l	5.15	1.03	1	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
91-94-1	3,3´-Dichlorobenzidine	< 0.701	U	µg/l	5.15	0.701	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 0.845	U	µg/l	5.15	0.845	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 0.887	U	µg/l	5.15	0.887	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 0.938	U	µg/l	5.15	0.938	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 0.835	U	µg/l	5.15	0.835	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 0.969	U	µg/l	5.15	0.969	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 0.691	U	µg/l	5.15	0.691	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 2.96	U	µg/l	5.15	2.96	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 0.969	U	µg/l	5.15	0.969	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 0.969	U	µg/l	5.15	0.969	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 0.804	U	µg/l	5.15	0.804	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.928	U	µg/l	5.15	0.928	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.856	U	µg/l	5.15	0.856	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 4.87	U	µg/l	5.15	4.87	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 1.04	U	µg/l	5.15	1.04	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.948	U	µg/l	5.15	0.948	1	"	"	"	"	"	X
78-59-1	Isophorone	< 0.856	U	µg/l	5.15	0.856	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.938	U	µg/l	5.15	0.938	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 0.969	U	µg/l	10.3	0.969	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.918	U	µg/l	5.15	0.918	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 0.845	U	µg/l	5.15	0.845	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 0.660	U	µg/l	5.15	0.660	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 0.742	U	µg/l	20.6	0.742	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 0.979	U	µg/l	5.15	0.979	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 1.06	U	µg/l	5.15	1.06	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2.88	U	µg/l	20.6	2.88	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.04	U	µg/l	5.15	1.04	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 0.948	U	µg/l	5.15	0.948	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 0.835	U	µg/l	20.6	0.835	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
108-95-2	Phenol	< 0.979	U	µg/l	5.15	0.979	1	"	"	"	"	"	X
129-00-0	Pyrene	< 1.32	U	µg/l	5.15	1.32	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.00	U	µg/l	5.15	1.00	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.948	U	µg/l	5.15	0.948	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 0.856	U	µg/l	5.15	0.856	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 0.804	U	µg/l	5.15	0.804	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 0.938	U	µg/l	5.15	0.938	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-D SB77308-04	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3510C													
95-94-3	1,2,4,5-Tetrachlorobenzene	< 0.990	U	µg/l	5.15	0.990	1	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*39*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*33*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*84*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*81*			*15-110 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2	U	mg/l	0.2	0.2	1	SW846 8100Mod.	27-Sep-13	01-Oct-13	SEP	1323309	
68476-30-2	Fuel Oil #2	**Calculated as**		mg/l	0.2	0.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
8032-32-4	Ligroin	**Calculated as**		mg/l	0.2	0.05	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.05	U	mg/l	0.2	0.05	1	"	"	"	"	"	
	Hydraulic Oil	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
	Dielectric Fluid	< 0.05	U	mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	**7.3**		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**7.3**		mg/l	0.2	0.02	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*84*			*40-140 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			LNB	1323140	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0009	R01, U	mg/l	0.0100	0.0009	1	SW846 6010C	30-Sep-13	01-Oct-13	edt	1323503	X
7429-90-5	Aluminum	**28.9**		mg/l	0.0250	0.0076	1	"	"	"	"	"	X
7440-38-2	Arsenic	**0.0460**		mg/l	0.0040	0.0018	1	"	"	"	"	"	X
7440-39-3	Barium	**0.428**		mg/l	0.0050	0.0007	1	"	"	"	"	"	X
7440-41-7	Beryllium	**0.0016**	J	mg/l	0.0020	0.0002	1	"	"	"	"	"	X
7440-70-2	Calcium	**288**	GS1, D	mg/l	0.200	0.0367	2	"	"	01-Oct-13	"	"	X
7440-43-9	Cadmium	< 0.0008	U	mg/l	0.0025	0.0008	1	"	"	01-Oct-13	"	"	X
7440-48-4	Cobalt	**0.0233**		mg/l	0.0050	0.0003	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0574**		mg/l	0.0050	0.0009	1	"	"	"	"	"	X
7440-50-8	Copper	**0.167**		mg/l	0.0050	0.0011	1	"	"	"	"	"	X
7439-89-6	Iron	**59.8**		mg/l	0.0150	0.0074	1	"	"	01-Oct-13	"	"	X
7440-09-7	Potassium	**9.80**		mg/l	0.500	0.0595	1	"	"	"	"	"	X
7439-95-4	Magnesium	**67.9**	GS1, D	mg/l	0.0200	0.0025	2	"	"	01-Oct-13	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-D SB77308-04	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-96-5	Manganese	**2.73**		mg/l	0.0020	0.0012	1	SW846 6010C	30-Sep-13	01-Oct-13	edt	1323503	X
7440-23-5	Sodium	**98.0**		mg/l	0.250	0.0325	1	"	"	01-Oct-13	"	"	X
7440-02-0	Nickel	**0.0578**		mg/l	0.0050	0.0007	1	"	"	01-Oct-13	"	"	X
7439-92-1	Lead	**0.0784**		mg/l	0.0075	0.0020	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0014	U	mg/l	0.0060	0.0014	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0030	U	mg/l	0.0150	0.0030	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0029	U	mg/l	0.0050	0.0029	1	"	"	"	"	"	X
7440-62-2	Vanadium	**0.0472**		mg/l	0.0050	0.0009	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.471**		mg/l	0.0050	0.0020	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00008	U	mg/l	0.00020	0.00008	1	EPA 245.1/7470A	30-Sep-13	02-Oct-13	LR	1323504	X
General Chemistry Parameters													
57-12-5	Cyanide (total)	< 0.00360	U	mg/l	0.00500	0.00360	1	EPA 335.4 / SW846 9012B	26-Sep-13	27-Sep-13	RLT	1323263	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-E	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.65	U	µg/l	1.00	0.65	1	SW846 8260C	27-Sep-13	27-Sep-13	naa	1323343	X
67-64-1	Acetone	**9.53**	J	µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
71-43-2	Benzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.60	U	µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.14	U	µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.93	U	µg/l	10.0	1.93	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.56	U	µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.82	U	µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1.28	U	µg/l	2.00	1.28	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.55	U	µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.00	U	µg/l	2.00	1.00	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.47	U	µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.79	U	µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1.20	U	µg/l	2.00	1.20	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.34	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.45	U	µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.68	U	µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.49	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.83	U	µg/l	1.00	0.83	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.77	U	µg/l	1.00	0.77	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.87	U	µg/l	1.00	0.87	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.95	U	µg/l	1.00	0.95	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.49	U	µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.66	U	µg/l	10.0	0.66	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-E	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.62	U	µg/l	1.00	0.62	1	SW846 8260C	27-Sep-13	27-Sep-13	naa	1323343	X
99-87-6	4-Isopropyltoluene	< 0.61	U	µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.76	U	µg/l	10.0	2.76	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.95	U	µg/l	2.00	0.95	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.32	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.38	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.36	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.63	U	µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.64	U	µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.88	U	µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.44	U	µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 8.64	U	µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 12.0	U	µg/l	20.0	12.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 0.74	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
64-17-5	Ethanol	< 35.0	U	µg/l	400	35.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*93*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-E	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	27-Sep-13	27-Sep-13	naa	1323343	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.928	U	µg/l	5.15	0.928	1	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
208-96-8	Acenaphthylene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
62-53-3	Aniline	< 0.649	U	µg/l	5.15	0.649	1	"	"	"	"	"	X
120-12-7	Anthracene	< 0.928	U	µg/l	5.15	0.928	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 0.773	U	µg/l	5.15	0.773	1	"	"	"	"	"	
92-87-5	Benzidine	< 4.51	U	µg/l	5.15	4.51	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.876	U	µg/l	5.15	0.876	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.928	U	µg/l	5.15	0.928	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1.14	U	µg/l	5.15	1.14	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 2.24	U	µg/l	5.15	2.24	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 0.722	U	µg/l	5.15	0.722	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 0.866	U	µg/l	5.15	0.866	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 1.01	U	µg/l	5.15	1.01	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	1.44	J	µg/l	5.15	1.05	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 0.876	U	µg/l	5.15	0.876	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 1.06	U	µg/l	5.15	1.06	1	"	"	"	"	"	X
86-74-8	Carbazole	< 3.31	U	µg/l	5.15	3.31	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 0.979	U	µg/l	5.15	0.979	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 0.577	U	µg/l	5.15	0.577	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 0.918	U	µg/l	5.15	0.918	1	"	"	"	"	"	X
218-01-9	Chrysene	< 1.18	U	µg/l	5.15	1.18	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 0.907	U	µg/l	5.15	0.907	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.01	U	µg/l	5.15	1.01	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.03	U	µg/l	5.15	1.03	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 0.701	U	µg/l	5.15	0.701	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 0.845	U	µg/l	5.15	0.845	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 0.887	U	µg/l	5.15	0.887	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 0.938	U	µg/l	5.15	0.938	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 0.835	U	µg/l	5.15	0.835	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	4.07	J	µg/l	5.15	0.969	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-E	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3510C													
534-52-1	4,6-Dinitro-2-methylphenol	< 0.691	U	µg/l	5.15	0.691	1	SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	X
51-28-5	2,4-Dinitrophenol	< 2.96	U	µg/l	5.15	2.96	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 0.969	U	µg/l	5.15	0.969	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 0.969	U	µg/l	5.15	0.969	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 0.804	U	µg/l	5.15	0.804	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.928	U	µg/l	5.15	0.928	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.856	U	µg/l	5.15	0.856	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 4.87	U	µg/l	5.15	4.87	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 1.04	U	µg/l	5.15	1.04	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.948	U	µg/l	5.15	0.948	1	"	"	"	"	"	X
78-59-1	Isophorone	< 0.856	U	µg/l	5.15	0.856	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.938	U	µg/l	5.15	0.938	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 0.969	U	µg/l	10.3	0.969	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.918	U	µg/l	5.15	0.918	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 0.845	U	µg/l	5.15	0.845	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 0.660	U	µg/l	5.15	0.660	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 0.742	U	µg/l	20.6	0.742	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 0.979	U	µg/l	5.15	0.979	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 1.06	U	µg/l	5.15	1.06	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2.88	U	µg/l	20.6	2.88	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.04	U	µg/l	5.15	1.04	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 0.948	U	µg/l	5.15	0.948	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 0.835	U	µg/l	20.6	0.835	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.897	U	µg/l	5.15	0.897	1	"	"	"	"	"	X
108-95-2	Phenol	< 0.979	U	µg/l	5.15	0.979	1	"	"	"	"	"	X
129-00-0	Pyrene	< 1.32	U	µg/l	5.15	1.32	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.00	U	µg/l	5.15	1.00	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.948	U	µg/l	5.15	0.948	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.959	U	µg/l	5.15	0.959	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 0.856	U	µg/l	5.15	0.856	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 0.804	U	µg/l	5.15	0.804	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 0.938	U	µg/l	5.15	0.938	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 0.990	U	µg/l	5.15	0.990	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*59*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*42*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*29*			*15-110 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-E	48845-13	Ground Water	19-Sep-13 15:30	20-Sep-13
SB77308-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3510C													
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*			SW846 8270D	26-Sep-13	01-Oct-13	JG	1323267	
118-79-6	*2,4,6-Tribromophenol*	*77*			*15-110 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Fingerprinting by GC													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2	U	mg/l	0.2	0.2	1	SW846 8100Mod.	27-Sep-13	01-Oct-13	SEP	1323309	
68476-30-2	Fuel Oil #2	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2	U	mg/l	0.2	0.2	1	"	"	"	"	"	
8032-32-4	Ligroin	< 0.05	U	mg/l	0.2	0.05	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.05	U	mg/l	0.2	0.05	1	"	"	"	"	"	
	Hydraulic Oil	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
	Dielectric Fluid	< 0.05	U	mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.05	U	mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.02	U	mg/l	0.2	0.02	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*63*			*40-140 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	48845-13	Trip Blank	19-Sep-13 00:00	20-Sep-13
SB77308-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.65	U	µg/l	1.00	0.65	1	SW846 8260C	27-Sep-13	27-Sep-13	naa	1323343	X
67-64-1	Acetone	< 2.56	U	µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
71-43-2	Benzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.48	U	µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.60	U	µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.14	U	µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.93	U	µg/l	10.0	1.93	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.56	U	µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.82	U	µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1.28	U	µg/l	2.00	1.28	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.55	U	µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.00	U	µg/l	2.00	1.00	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.47	U	µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 0.79	U	µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 1.20	U	µg/l	2.00	1.20	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.34	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.71	U	µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.45	U	µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.68	U	µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.49	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.83	U	µg/l	1.00	0.83	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.77	U	µg/l	1.00	0.77	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 0.87	U	µg/l	1.00	0.87	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.36	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.95	U	µg/l	1.00	0.95	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.49	U	µg/l	0.50	0.49	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.66	U	µg/l	10.0	0.66	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	48845-13	Trip Blank	19-Sep-13 00:00	20-Sep-13
SB77308-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 0.62	U	µg/l	1.00	0.62	1	SW846 8260C	27-Sep-13	27-Sep-13	naa	1323343	X
99-87-6	4-Isopropyltoluene	< 0.61	U	µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.65	U	µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.76	U	µg/l	10.0	2.76	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.95	U	µg/l	2.00	0.95	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.62	U	µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.67	U	µg/l	1.00	0.67	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.32	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 0.38	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.36	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 0.58	U	µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.64	U	µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.63	U	µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.76	U	µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.74	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.81	U	µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.64	U	µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.88	U	µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.44	U	µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 0.69	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 0.72	U	µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 0.78	U	µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 0.73	U	µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 8.64	U	µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 12.0	U	µg/l	20.0	12.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 0.74	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
64-17-5	Ethanol	< 35.0	U	µg/l	400	35.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*81*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*93*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS			TIC										
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB77308-06	48845-13	Trip Blank	19-Sep-13 00:00	20-Sep-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Tentatively Identified Compounds by GC/MS			TIC										
Prepared by method SW846 5030 Water MS													
000628-89-7	Ethanol, 2-(2-chloroethoxy)-	1.5		µg/l			1	SW846 8260C TICs	27-Sep-13	27-Sep-13	naa	1323343	

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM5	The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR7	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.
R01	The Reporting Limit has been raised to account for matrix interference.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
SGCMSVOC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.
TIC	(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
LIV	The initial volume for this sample has been reduced due to sample matrix and/or historical data therefore elevating the reporting limit.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja

SB77308

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Day Environmental
1563 Lyell Ave.
Rochester New York, 14606

Telephone #: 585-454-0210
Project Mgr. Ray Kampff x108

Invoice To: DAY Environmental
1563 Lyell Ave.
Rochester New York, 14606

P.O. No.: _____ RQN: _____

Project No.: 48845-13
Site Name: 211 Franklin St.
Location: Olean State: NY
Sampler(s): Zach Tennies & Charles Hampton

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List preservative code below: 2 | | 2 | 2 | |

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260 Full list + TICs	TPH 6100	SVOCs 8270 Full	TAL metals	Cyanide	per client see Attached email	
77308-01	MW-A	9/19/13	16:00	G	GW	2	2			X	X	X				
02	MW-B	9/19/13	16:20	G	GW	2	2		2	X	X	X	X	X		
03	MW-C	9/19/13	13:55	G	GW	2	1			X	X					
04	MW-D	9/19/13	15:30	G	GW	2	2		2	X	X	X	X	X		
05	MW-E	9/19/13	15:30	G	GW	2	2			X	X	X				
06	Trip Blank			G	TB	2				X						

2.1.1.1 IR 01

per client see Attached email.

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
- [x] Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*
- ☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Zachary Tennies		9/20/2013	09:00	
		9-24-13	1732	
		9/24/13	2100	

☐ EDD Format _____
☒ E-mail to rkampff@daymail.net

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Sample Designation Key for ALS Report Samples

Sample Designation in ALS Report		Sample Designation in Phase II Report
TB-15A	to	TB-02
TB-12	to	TB-04
TB-17	to	TB-07

1565 Jefferson Rd., Bldg 300, Suite 360
Rochester, NY 14623
T: +1 585 288 5380
F: +1 585 288 8475
www.alsglobal.com

October 10, 2013

Mr. Ray Kampff
Day Environmental
1563 Lyell Ave.
Rochester, NY 14606

Re: Olean/48845-13
Service Request #R1306782

Dear Mr. Kampff:

Enclosed is an analytical data report for the above referenced facility. A total of three samples were received by our laboratory on September 16, 2013.

Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your use of our services.

Sincerely,
ALS Environmental

Carl Beechler
Project Manager

Enc.

Client:	Day Environmental, Inc.	**Service Request No.:**	R1306782
Project:	Olean/48845-13	**Date Received:**	9/16/13
Sample Matrix:	Soil		

CASE NARRATIVE – Page 1 of 2

All analyses were performed consistent with the quality assurance program of ALS Environmental (ALS). This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Three samples were received for analysis at ALS Rochester on 9/17/13. The samples were received consistent with the accompanying chain of custody form. All samples were received within the appropriate temperature guidelines of 0-6°C. The samples were stored in a refrigerator between 1°C and 6°C upon receipt at the laboratory.

Volatile Organic Compounds by EPA Method 8260C

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples with the following except for the following compounds which were outside the ±20%Difference (%D) criteria for the CCV:

Acetone, Methyl Acetate, Methyl Ethyl Ketone, Cyclohexanone, Methyl Isobutyl Ketone and 2-Hexanone on the 9/20/13 run and

Bromoform on the 9/23/13 run.

Any hits for these compounds in samples associated with these runs should be considered as estimated.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the 8260C analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included foltowing the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Surrogate standard recoveries were within limits for all samples.

Internal Standard (IS) recoveries were acceptable.

Sample TB-12 (30') was analyzed at dilution due to matrix interference.

Site QC was not requested or performed. Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were within acceptable.

Hits between the MDL and MRL are flagged with a "J" as estimated.

All Method Blanks were free of contamination with the exception of 1,2,4-Trichlorobenzene on 9/23/13. No data is affected.

The samples were properly preserved and analyzed within the appropriate holding times.

No other analytical or quality control problems were encountered during analysis.

PCB by 8082A

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples

All surrogate standard recoveries were within acceptable limits.

All internal standard recoveries were within acceptable limits.

Sample TB-17 (3') was analyzed at dilution due to matrix interference.

Site QC was not requested or performed. Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were acceptable.

All Method Blanks were free of contamination.

The samples were extracted and analyzed within the appropriate holding times.

No other analytical or quality control problems were encountered during analysis

Semivolatile Organic Compounds by Method 8270D

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples except for the following CCV compounds:
Benzoic Acid, Benzaldehyde and 2,4-Dimitrophenol were outside the ± 20%D limits on the 9/23/13 run.
Any hits for these compounds associated with this CCV should be considered as estimated.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the 8270D analysis. The 20 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

All surrogate standard recoveries were within acceptable limits.

All internal standard recoveries were within acceptable limits.

Sample TB-17 (3') was analyzed at dilution due to matrix interference.

Site QC was not requested or performed. Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were acceptable with the exception of Benzoic Acid in the LCS only as indicated by the "*" flag. No data is affected.

All Method Blanks were free of contamination.

The samples were extracted and analyzed within the appropriate holding times.

No other analytical or quality control problems were encountered during analysis.

Inorganic Parameters

Samples were analyzed for client specific inorganic parameters. Approved method references appear on report forms.

Hits between the MDL and MRL are flagged with a "J" as estimated.

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples.

Site QC was performed on sample TB-15A (24'). Several RPD calculations were outside acceptance limits. These RPD's have been flagged as "*". Matrix Spike recoveries were acceptable except for Nickel. This recovery is flagged as "N". Matrix interference is suspected. MS results are not applicable for Aluminum, Calcium, Iron, Magnesium and Manganese on this location. The analyte concentrations in the sample were more than four times higher than the added spike concentration, preventing accurate evaluation of the spike recovery. Batch QC is included in the report. All Laboratory Control Sample (LCS) recoveries were within QC limits.

All Method Blanks were free of contamination.

The samples were properly preserved and analyzed within the appropriate holding times for the methods.

No other analytical or QC problems were encountered during analysis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details contained above Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

00003

Approved by _____ **Date** 10/30/13

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #: 48845-13	Batch Complete: Yes	Date Revised:
Submission: R1306782	Diskette Requested: No	Date Due: 10/7/13
Client: Day Environmental, Incorporated	Date: 9/17/13	Protocol: MCAWW
Client Rep: CBEECHLER	Custody Seal: Present/Absent:	Shipping No.:
Project: Olean	Chain of Custody: Present/Absent:	SDG #: TB-15A (24")

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1306782-001	TB-15A (24')	Soil	160.3 Modified, 7471B, 9012B, 8270D, 8260C, 8082A, 6010C	9/11/13	9/16/13			
R1306782-002	TB-17 (3')	Soil	8270D, 160.3 Modified	9/13/13	9/16/13			
R1306782-003	TB-12 (30')	Soil	8260C, 160.3 Modified, 8270D	9/12/13	9/16/13			

Folder Comments: Need 2 Week Data, VOA TICs & LL, SVOA TICs

ALS Environmental

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% (25% for CLP) difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	3010A
200.8	ILM05.3
6010C	3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3010A
6010 SPLP (1312) extract	3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 10874

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: Olean, New York	Project Number: 48845-13
Project Manager: Ray Kampff	Report CC:
Company/Address: Day Environmental 1563 Lyell Ave. Rochester NY, 14606	
Phone #: 585-454-0210	Email: rkampff@dayenvl.net
Sampler's Signature:	Sampler's Printed Name: Zachary Tenniss

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	Cr+6 ○ 7196 ○ 7199								REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE						0	0	0		0	0		0								
TB-15A (24')		9/11/13	11:30	Soil	2	X	X			X	X		X								
TB-17 (3')		9/12/13	11:30	Soil	1		X														
TB-12 (30')		9/12/13	10:15	Soil	2	X	X	*													

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals 6010C, 7471B

Results within 10 days (ASP cat. B)
Report within 15 days

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day X 15 day

REQUESTED REPORT DATE

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data

Edata _____ Yes _____

INVOICE INFORMATION
PO #
BILL TO: DAY
1563 Lyell Ave.
Rochester NY, 14606

STATE WHERE SAMPLES WERE COLLECTED New York

R1306782 5
Day Environmental, Incorporated
Olean

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature	Signature Daniel Ward	Signature	Signature	Signature	
Printed Name WILLIAM BATISTE	Printed Name ALS	Printed Name	Printed Name	Printed Name	Printed Name
Firm DAY Environmental	Firm 9/16/13 / 1630	Firm	Firm	Firm	Firm
Date/Time 9.16.13 / 1630	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

Project/Client Day Env. Folder Number R130672

Cooler received on 9/16/13 by: DH COURIER: ALS UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	YES	NO
2.	Were custody papers properly filled out (ink, signed, etc.)?	YES	NO
3.	Did all bottles arrive in good condition (unbroken)?	YES	NO
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?	YES	NO N/A
5.	Were ~~Ice~~ or Ice packs present?	YES	NO
6.	Where did the bottles originate?	ALS/ROC, CLIENT	
7.	Soil VOA samples received as:	Bulk Jar	Encore TerraCore Lab5035set ~~N/A~~ DH 9/16/13
8.	Temperature of cooler(s) upon receipt:	4.3°	

Is the temperature within 0° - 6° C?:	Y	N	Y	N	Y	N	Y	N	Y N

If No, Explain Below Date/Time Temperatures Taken: 9/16/13 / 1639

Thermometer ID: ~~IR GUN#3~~ / IR GUN#4 Reading From: ~~Temp Blank~~ / Sample Bottle

If out of Temperature, note packing/ice condition &Client Approval to Run Samples:

All Samples held in storage location Room by DH on 9/16/13 at 1639

5035 samples placed in storage location ____ by ____ on ____ at ____

PC Secondary Review: [redacted] 9/20/13

Cooler Breakdown: Date: 9/17/13 Time: 0842 by: JFS

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		~~N/A~~

Explain any discrepancies:

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*						

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: ____

Bottle lot numbers: 100812-300, 031113-1W

Other Comments:

PC Secondary Review: [redacted]

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Analyzed:	9/23/13 14:31
Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359621
Data File Name:	I:\ACQUDATA\msvoa10\data\092313\F2266.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	125

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	680	U	680	52	
79-34-5	1,1,2,2-Tetrachloroethane	680	U	680	28	
79-00-5	1,1,2-Trichloroethane	680	U	680	57	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	680	U	680	62	
75-34-3	1,1-Dichloroethane (1,1-DCA)	680	U	680	43	
75-35-4	1,1-Dichloroethene (1,1-DCE)	680	U	680	73	
87-61-6	1,2,3-Trichlorobenzene	680	U	680	36	
96-18-4	1,2,3-Trichloropropane	680	U	680	130	
120-82-1	1,2,4-Trichlorobenzene	680	U	680	33	
95-63-6	1,2,4-Trimethylbenzene	680	U	680	28	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	680	U	680	110	
106-93-4	1,2-Dibromoethane	680	U	680	68	
95-50-1	1,2-Dichlorobenzene	680	U	680	40	
107-06-2	1,2-Dichloroethane	680	U	680	44	
78-87-5	1,2-Dichloropropane	680	U	680	52	
108-67-8	1,3,5-Trimethylbenzene	680	U	680	28	
541-73-1	1,3-Dichlorobenzene	680	U	680	28	
142-28-9	1,3-Dichloropropane	680	U	680	31	
106-46-7	1,4-Dichlorobenzene	680	U	680	46	
78-93-3	2-Butanone (MEK)	680	U	680	220	
591-78-6	2-Hexanone	680	U	680	80	
99-87-6	4-Isopropyltoluene	680	U	680	46	
108-10-1	4-Methyl-2-pentanone	680	U	680	69	
67-64-1	Acetone	680	U	680	150	
71-43-2	Benzene	680	U	680	37	
75-27-4	Bromodichloromethane	680	U	680	35	
75-25-2	Bromoform	680	U	680	89	
74-83-9	Bromomethane	680	U	680	62	
75-15-0	Carbon Disulfide	680	U	680	42	
56-23-5	Carbon Tetrachloride	680	U	680	36	
108-90-7	Chlorobenzene	680	U	680	39	
75-00-3	Chloroethane	680	U	680	52	
67-66-3	Chloroform	680	U	680	59	
74-87-3	Chloromethane	680	U	680	63	
110-82-7	Cyclohexane	680	U	680	69	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Analyzed:	9/23/13 14:31
Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359621
Data File Name:	I:\ACQUDATA\msvoa10\data\092313\F2266.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	125

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
124-48-1	Dibromochloromethane	680	U	680	32	
75-71-8	Dichlorodifluoromethane (CFC 12)	680	U	680	47	
75-09-2	Dichloromethane	680	U	680	63	
100-41-4	Ethylbenzene	680	U	680	43	
98-82-8	Isopropylbenzene (Cumene)	680	U	680	44	
79-20-9	Methyl Acetate	680	U	680	80	
1634-04-4	Methyl tert-Butyl Ether	680	U	680	33	
108-87-2	Methylcyclohexane	**2700**		680	55	
91-20-3	Naphthalene	680	U	680	32	
100-42-5	Styrene	680	U	680	28	
127-18-4	Tetrachloroethene (PCE)	680	U	680	28	
108-88-3	Toluene	680	U	680	47	
79-01-6	Trichloroethene (TCE)	680	U	680	28	
75-69-4	Trichlorofluoromethane (CFC 11)	680	U	680	57	
75-01-4	Vinyl Chloride	680	U	680	44	
1330-20-7	Xylenes, Total	2100	U	2100	120	
156-59-2	cis-1,2-Dichloroethene	680	U	680	35	
10061-01-5	cis-1,3-Dichloropropene	680	U	680	36	
179601-23-1	m,p-Xylenes	1400	U	1400	74	
104-51-8	n-Butylbenzene	680	U	680	28	
103-65-1	n-Propylbenzene	680	U	680	35	
95-47-6	o-Xylene	680	U	680	40	
135-98-8	sec-Butylbenzene	680	U	680	43	
98-06-6	tert-Butylbenzene	**160**	**J**	680	43	
156-60-5	trans-1,2-Dichloroethene	680	U	680	52	
10061-02-6	trans-1,3-Dichloropropene	680	U	680	33	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85-122	9/23/13 14:31	
Dibromofluoromethane	107	89-119	9/23/13 14:31	
Toluene-d8	96	87-121	9/23/13 14:31	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Analyzed:	9/23/13 1431

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds by GC/MS

Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Analytical Method: 8260C

CAS #	Analyte Name	RT	Result	Q
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	7.76	**7300**	JN
002216-30-0	Heptane, 2,5-dimethyl-	8.26	**8200**	JN
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	8.40	**7300**	JN
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	8.62	**11000**	JN
	unknown	9.10	**9400**	J
004926-78-7	Cyclohexane, 1-ethyl-4-methyl-, ci	9.14	**6200**	JN
	unknown	9.37	**12000**	J
	unknown	9.45	**6600**	J
	unknown	9.57	**8000**	J
	unknown	9.65	**5700**	J
	unknown	9.68	**8200**	J
	unknown	9.82	**17000**	J
	unknown	10.02	**6700**	J
004291-79-6	Cyclohexane, 1-methyl-2-propyl-	10.23	**5400**	JN
	unknown	10.78	**4800**	J
000493-02-7	Naphthalene, decahydro-, trans-	11.13	**5400**	JN
	unknown	11.27	**5100**	J
	unknown	11.35	**8200**	J
	unknown	11.99	**5700**	J
	unknown	12.09	**7000**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13 1015
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Analyzed:	9/20/13 17:23
Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359508
Data File Name:	I:\ACQUDATA\msvoa10\data\092013\F2208.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	125

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	690	U	690	53	
79-34-5	1,1,2,2-Tetrachloroethane	690	U	690	28	
79-00-5	1,1,2-Trichloroethane	690	U	690	57	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	690	U	690	63	
75-34-3	1,1-Dichloroethane (1,1-DCA)	690	U	690	44	
75-35-4	1,1-Dichloroethene (1,1-DCE)	690	U	690	74	
87-61-6	1,2,3-Trichlorobenzene	690	U	690	37	
96-18-4	1,2,3-Trichloropropane	690	U	690	130	
120-82-1	1,2,4-Trichlorobenzene	690	U	690	34	
95-63-6	1,2,4-Trimethylbenzene	690	U	690	28	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	690	U	690	110	
106-93-4	1,2-Dibromoethane	690	U	690	68	
95-50-1	1,2-Dichlorobenzene	690	U	690	41	
107-06-2	1,2-Dichloroethane	690	U	690	45	
78-87-5	1,2-Dichloropropane	690	U	690	53	
108-67-8	1,3,5-Trimethylbenzene	690	U	690	28	
541-73-1	1,3-Dichlorobenzene	690	U	690	28	
142-28-9	1,3-Dichloropropane	690	U	690	31	
106-46-7	1,4-Dichlorobenzene	690	U	690	46	
78-93-3	2-Butanone (MEK)	690	U	690	220	
591-78-6	2-Hexanone	690	U	690	81	
99-87-6	4-Isopropyltoluene	690	U	690	46	
108-10-1	4-Methyl-2-pentanone	690	U	690	70	
67-64-1	Acetone	690	U	690	160	
71-43-2	Benzene	690	U	690	38	
75-27-4	Bromodichloromethane	690	U	690	35	
75-25-2	Bromoform	690	U	690	91	
74-83-9	Bromomethane	690	U	690	63	
75-15-0	Carbon Disulfide	690	U	690	42	
56-23-5	Carbon Tetrachloride	690	U	690	37	
108-90-7	Chlorobenzene	690	U	690	39	
75-00-3	Chloroethane	690	U	690	53	
67-66-3	Chloroform	690	U	690	60	
74-87-3	Chloromethane	690	U	690	64	
110-82-7	Cyclohexane	690	U	690	70	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13 1015
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Analyzed:	9/20/13 17:23
Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359508
Data File Name:	I:\ACQUDATA\msvoa10\data\092013\F2208.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	125

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
124-48-1	Dibromochloromethane	690	U	690	32	
75-71-8	Dichlorodifluoromethane (CFC 12)	690	U	690	48	
75-09-2	Dichloromethane	690	U	690	64	
100-41-4	Ethylbenzene	690	U	690	44	
98-82-8	Isopropylbenzene (Cumene)	690	U	690	45	
79-20-9	Methyl Acetate	690	U	690	81	
1634-04-4	Methyl tert-Butyl Ether	690	U	690	34	
108-87-2	Methylcyclohexane	690	U	690	56	
91-20-3	Naphthalene	690	U	690	32	
100-42-5	Styrene	690	U	690	28	
127-18-4	Tetrachloroethene (PCE)	690	U	690	28	
108-88-3	Toluene	690	U	690	48	
79-01-6	Trichloroethene (TCE)	690	U	690	28	
75-69-4	Trichlorofluoromethane (CFC 11)	690	U	690	57	
75-01-4	Vinyl Chloride	690	U	690	45	
1330-20-7	Xylenes, Total	2100	U	2100	120	
156-59-2	cis-1,2-Dichloroethene	690	U	690	35	
10061-01-5	cis-1,3-Dichloropropene	690	U	690	37	
179601-23-1	m,p-Xylenes	1400	U	1400	75	
104-51-8	n-Butylbenzene	690	U	690	28	
103-65-1	n-Propylbenzene	690	U	690	35	
95-47-6	o-Xylene	690	U	690	41	
135-98-8	sec-Butylbenzene	690	U	690	44	
98-06-6	tert-Butylbenzene	690	U	690	44	
156-60-5	trans-1,2-Dichloroethene	690	U	690	53	
10061-02-6	trans-1,3-Dichloropropene	690	U	690	34	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	85-122	9/20/13 17:23	
Dibromofluoromethane	104	89-119	9/20/13 17:23	
Toluene-d8	99	87-121	9/20/13 17:23	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Analyzed:	9/20/13 1723

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds by GC/MS

Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Analytical Method: 8260C

CAS #	Analyte Name	RT	Result	Q
	unknown	9.24	**3500**	**J**
004923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	9.38	**6700**	**JN**
	unknown	9.55	**5200**	**J**
	unknown	9.68	**5200**	**J**
	unknown	9.74	**4600**	**J**
	unknown	9.79	**5800**	**J**
	unknown	10.01	**7800**	**J**
	unknown	10.14	**6000**	**J**
	unknown	10.29	**4200**	**J**
	unknown	10.33	**2500**	**J**
	unknown	10.55	**5200**	**J**
	unknown	10.64	**3000**	**J**
	unknown	10.70	**7800**	**J**
	unknown	11.14	**5500**	**J**
	unknown	11.18	**2400**	**J**
	unknown	11.24	**3600**	**J**
	unknown	11.28	**3100**	**J**
002207-04-7	Cyclohexane, 1,4-dimethyl-, trans-	11.35	**6400**	**JN**
002958-76-1	Naphthalene, decahydro-2-methyl-	11.60	**3800**	**JN**
002958-76-1	Naphthalene, decahydro-2-methyl-	11.74	**2800**	**JN**

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/20/13 14:49
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311427-01	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359508
Data File Name:	I:\ACQUDATA\msvoa10\data\092013\F2203.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	250	U	250	19	
79-34-5	1,1,2,2-Tetrachloroethane	250	U	250	10	
79-00-5	1,1,2-Trichloroethane	250	U	250	21	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	23	
75-34-3	1,1-Dichloroethane (1,1-DCA)	250	U	250	16	
75-35-4	1,1-Dichloroethene (1,1-DCE)	250	U	250	27	
87-61-6	1,2,3-Trichlorobenzene	250	U	250	13	
96-18-4	1,2,3-Trichloropropane	250	U	250	45	
120-82-1	1,2,4-Trichlorobenzene	250	U	250	12	
95-63-6	1,2,4-Trimethylbenzene	250	U	250	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	250	U	250	40	
106-93-4	1,2-Dibromoethane	250	U	250	25	
95-50-1	1,2-Dichlorobenzene	250	U	250	15	
107-06-2	1,2-Dichloroethane	250	U	250	16	
78-87-5	1,2-Dichloropropane	250	U	250	19	
108-67-8	1,3,5-Trimethylbenzene	250	U	250	10	
541-73-1	1,3-Dichlorobenzene	250	U	250	10	
142-28-9	1,3-Dichloropropane	250	U	250	12	
106-46-7	1,4-Dichlorobenzene	250	U	250	17	
78-93-3	2-Butanone (MEK)	250	U	250	77	
591-78-6	2-Hexanone	250	U	250	29	
99-87-6	4-Isopropyltoluene	250	U	250	17	
108-10-1	4-Methyl-2-pentanone	250	U	250	25	
67-64-1	Acetone	250	U	250	55	
71-43-2	Benzene	250	U	250	14	
75-27-4	Bromodichloromethane	250	U	250	13	
75-25-2	Bromoform	250	U	250	33	
74-83-9	Bromomethane	250	U	250	23	
75-15-0	Carbon Disulfide	250	U	250	15	
56-23-5	Carbon Tetrachloride	250	U	250	13	
108-90-7	Chlorobenzene	250	U	250	15	
75-00-3	Chloroethane	250	U	250	19	
67-66-3	Chloroform	250	U	250	22	
74-87-3	Chloromethane	250	U	250	23	
110-82-7	Cyclohexane	250	U	250	25	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/20/13 14:49
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311427-01	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359508
Data File Name:	I:\ACQUDATA\msvoa10\data\092013\F2203.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
124-48-1	Dibromochloromethane	250	U	250	12	
75-71-8	Dichlorodifluoromethane (CFC 12)	250	U	250	17	
75-09-2	Dichloromethane	250	U	250	23	
100-41-4	Ethylbenzene	250	U	250	16	
98-82-8	Isopropylbenzene (Cumene)	250	U	250	16	
79-20-9	Methyl Acetate	250	U	250	29	
1634-04-4	Methyl tert-Butyl Ether	250	U	250	12	
108-87-2	Methylcyclohexane	250	U	250	20	
91-20-3	Naphthalene	250	U	250	12	
100-42-5	Styrene	250	U	250	10	
127-18-4	Tetrachloroethene (PCE)	250	U	250	10	
108-88-3	Toluene	250	U	250	17	
79-01-6	Trichloroethene (TCE)	250	U	250	10	
75-69-4	Trichlorofluoromethane (CFC 11)	250	U	250	21	
75-01-4	Vinyl Chloride	250	U	250	16	
1330-20-7	Xylenes, Total	750	U	750	42	
156-59-2	cis-1,2-Dichloroethene	250	U	250	13	
10061-01-5	cis-1,3-Dichloropropene	250	U	250	13	
179601-23-1	m,p-Xylenes	500	U	500	27	
104-51-8	n-Butylbenzene	250	U	250	10	
103-65-1	n-Propylbenzene	250	U	250	13	
95-47-6	o-Xylene	250	U	250	15	
135-98-8	sec-Butylbenzene	250	U	250	16	
98-06-6	tert-Butylbenzene	250	U	250	16	
156-60-5	trans-1,2-Dichloroethene	250	U	250	19	
10061-02-6	trans-1,3-Dichloropropene	250	U	250	12	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	9/20/13 14:49	
Dibromofluoromethane	105	89-119	9/20/13 14:49	
Toluene-d8	97	87-121	9/20/13 14:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/20/13 1449

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311427-01	**Basis:**	Dry

Analytical Method: 8260C

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/23/13 10:59
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311593-01	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359621
Data File Name:	I:\ACQUDATA\msvoa10\data\092313\F2260.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	250	U	250	19	
79-34-5	1,1,2,2-Tetrachloroethane	250	U	250	10	
79-00-5	1,1,2-Trichloroethane	250	U	250	21	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	23	
75-34-3	1,1-Dichloroethane (1,1-DCA)	250	U	250	16	
75-35-4	1,1-Dichloroethene (1,1-DCE)	250	U	250	27	
87-61-6	1,2,3-Trichlorobenzene	250	U	250	13	
96-18-4	1,2,3-Trichloropropane	250	U	250	45	
120-82-1	1,2,4-Trichlorobenzene	**13**	J	250	12	
95-63-6	1,2,4-Trimethylbenzene	250	U	250	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	250	U	250	40	
106-93-4	1,2-Dibromoethane	250	U	250	25	
95-50-1	1,2-Dichlorobenzene	250	U	250	15	
107-06-2	1,2-Dichloroethane	250	U	250	16	
78-87-5	1,2-Dichloropropane	250	U	250	19	
108-67-8	1,3,5-Trimethylbenzene	250	U	250	10	
541-73-1	1,3-Dichlorobenzene	250	U	250	10	
142-28-9	1,3-Dichloropropane	250	U	250	12	
106-46-7	1,4-Dichlorobenzene	250	U	250	17	
78-93-3	2-Butanone (MEK)	250	U	250	77	
591-78-6	2-Hexanone	250	U	250	29	
99-87-6	4-Isopropyltoluene	250	U	250	17	
108-10-1	4-Methyl-2-pentanone	250	U	250	25	
67-64-1	Acetone	250	U	250	55	
71-43-2	Benzene	250	U	250	14	
75-27-4	Bromodichloromethane	250	U	250	13	
75-25-2	Bromoform	250	U	250	33	
74-83-9	Bromomethane	250	U	250	23	
75-15-0	Carbon Disulfide	250	U	250	15	
56-23-5	Carbon Tetrachloride	250	U	250	13	
108-90-7	Chlorobenzene	250	U	250	15	
75-00-3	Chloroethane	250	U	250	19	
67-66-3	Chloroform	250	U	250	22	
74-87-3	Chloromethane	250	U	250	23	
110-82-7	Cyclohexane	250	U	250	25	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/23/13 10:59
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311593-01	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	359621
Data File Name:	I:\ACQUDATA\msvoa10\data\092313\F2260.D\	**Instrument Name:**	R-MS-10
		Dilution Factor:	50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
124-48-1	Dibromochloromethane	250	U	250	12	
75-71-8	Dichlorodifluoromethane (CFC 12)	250	U	250	17	
75-09-2	Dichloromethane	250	U	250	23	
100-41-4	Ethylbenzene	250	U	250	16	
98-82-8	Isopropylbenzene (Cumene)	250	U	250	16	
79-20-9	Methyl Acetate	250	U	250	29	
1634-04-4	Methyl tert-Butyl Ether	250	U	250	12	
108-87-2	Methylcyclohexane	250	U	250	20	
91-20-3	Naphthalene	250	U	250	12	
100-42-5	Styrene	250	U	250	10	
127-18-4	Tetrachloroethene (PCE)	250	U	250	10	
108-88-3	Toluene	250	U	250	17	
79-01-6	Trichloroethene (TCE)	250	U	250	10	
75-69-4	Trichlorofluoromethane (CFC 11)	250	U	250	21	
75-01-4	Vinyl Chloride	250	U	250	16	
1330-20-7	Xylenes, Total	750	U	750	42	
156-59-2	cis-1,2-Dichloroethene	250	U	250	13	
10061-01-5	cis-1,3-Dichloropropene	250	U	250	13	
179601-23-1	m,p-Xylenes	500	U	500	27	
104-51-8	n-Butylbenzene	250	U	250	10	
103-65-1	n-Propylbenzene	250	U	250	13	
95-47-6	o-Xylene	250	U	250	15	
135-98-8	sec-Butylbenzene	250	U	250	16	
98-06-6	tert-Butylbenzene	250	U	250	16	
156-60-5	trans-1,2-Dichloroethene	250	U	250	19	
10061-02-6	trans-1,3-Dichloropropene	250	U	250	12	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85-122	9/23/13 10:59	
Dibromofluoromethane	106	89-119	9/23/13 10:59	
Toluene-d8	94	87-121	9/23/13 10:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/23/13 1059

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311593-01	**Basis:**	Dry

Analytical Method: 8260C

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/20/13

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 359508

Analyte Name	Lab Control Sample RQ1311427-02 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	16.3	20.0	82	67 - 121
1,1,2,2-Tetrachloroethane	18.6	20.0	93	72 - 124
1,1,2-Trichloroethane	18.9	20.0	94	81 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	18.4	20.0	92	60 - 123
1,1-Dichloroethane (1,1-DCA)	17.5	20.0	88	76 - 128
1,1-Dichloroethene (1,1-DCE)	20.8	20.0	104	74 - 135
1,2,3-Trichlorobenzene	20.4	20.0	102	67 - 135
1,2,3-Trichloropropane	17.7	20.0	89	72 - 123
1,2,4-Trichlorobenzene	19.6	20.0	98	70 - 130
1,2,4-Trimethylbenzene	16.0	20.0	80	72 - 127
1,2-Dibromo-3-chloropropane (DBCP)	18.3	20.0	92	64 - 131
1,2-Dibromoethane	19.1	20.0	96	81 - 118
1,2-Dichlorobenzene	18.1	20.0	90	80 - 119
1,2-Dichloroethane	16.4	20.0	82	72 - 130
1,2-Dichloropropane	17.8	20.0	89	80 - 119
1,3,5-Trimethylbenzene	16.2	20.0	81	71 - 128
1,3-Dichlorobenzene	17.7	20.0	88	79 - 121
1,3-Dichloropropane	18.8	20.0	94	81 - 115
1,4-Dichlorobenzene	17.8	20.0	89	79 - 119
2-Butanone (MEK)	15.6	20.0	78	60 - 133
2-Hexanone	15.2	20.0	76	61 - 131
4-Isopropyltoluene	16.4	20.0	82	71 - 130
4-Methyl-2-pentanone	16.4	20.0	82	61 - 132
Acetone	12.8	20.0	64	61 - 138
Benzene	18.1	20.0	90	76 - 118
Bromodichloromethane	18.9	20.0	95	79 - 123
Bromoform	20.2	20.0	101	72 - 128
Bromomethane	22.0	20.0	110	46 - 157
Carbon Disulfide	24.4	20.0	122	61 - 144
Carbon Tetrachloride	17.8	20.0	89	64 - 129
Chlorobenzene	18.1	20.0	90	80 - 121
Chloroethane	18.8	20.0	94	69 - 128
Chloroform	18.2	20.0	91	75 - 123

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/20/13

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 359508

Analyte Name	Lab Control Sample RQ1311427-02 Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	17.5	20.0	87	55 - 139
Cyclohexane	14.9	20.0	75	55 - 132
Dibromochloromethane	19.7	20.0	99	78 - 127
Dichlorodifluoromethane (CFC 12)	19.5	20.0	97	45 - 147
Dichloromethane	19.4	20.0	97	73 - 122
Ethylbenzene	17.2	20.0	86	75 - 123
Isopropylbenzene (Cumene)	16.4	20.0	82	75 - 139
Methyl Acetate	13.8	20.0	69	65 - 131
Methyl tert-Butyl Ether	16.6	20.0	83	75 - 116
Methylcyclohexane	16.8	20.0	84	59 - 127
Naphthalene	18.3	20.0	92	71 - 139
Styrene	17.2	20.0	86	80 - 121
Tetrachloroethene (PCE)	17.9	20.0	89	71 - 127
Toluene	17.5	20.0	87	77 - 120
Trichloroethene (TCE)	19.4	20.0	97	75 - 122
Trichlorofluoromethane (CFC 11)	18.7	20.0	94	64 - 134
Vinyl Chloride	19.4	20.0	97	68 - 139
Xylenes, Total	50.5	60.0	84	77 - 122
cis-1,2-Dichloroethene	18.9	20.0	94	77 - 123
cis-1,3-Dichloropropene	17.3	20.0	86	77 - 125
m,p-Xylenes	33.8	40.0	85	77 - 124
n-Butylbenzene	16.5	20.0	82	65 - 135
n-Propylbenzene	16.9	20.0	84	69 - 132
o-Xylene	16.7	20.0	83	77 - 131
sec-Butylbenzene	16.3	20.0	81	67 - 131
tert-Butylbenzene	15.8	20.0	79	70 - 126
trans-1,2-Dichloroethene	18.2	20.0	91	72 - 120
trans-1,3-Dichloropropene	16.2	20.0	81	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/23/13

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 359621

Analyte Name	Lab Control Sample RQ1311593-02 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	17.8	20.0	89	67 - 121
1,1,2,2-Tetrachloroethane	21.3	20.0	106	72 - 124
1,1,2-Trichloroethane	18.5	20.0	92	81 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	100	60 - 123
1,1-Dichloroethane (1,1-DCA)	18.2	20.0	91	76 - 128
1,1-Dichloroethene (1,1-DCE)	22.1	20.0	111	74 - 135
1,2,3-Trichlorobenzene	21.8	20.0	109	67 - 135
1,2,3-Trichloropropane	19.8	20.0	99	72 - 123
1,2,4-Trichlorobenzene	21.3	20.0	107	70 - 130
1,2,4-Trimethylbenzene	18.8	20.0	94	72 - 127
1,2-Dibromo-3-chloropropane (DBCP)	21.9	20.0	110	64 - 131
1,2-Dibromoethane	21.1	20.0	106	81 - 118
1,2-Dichlorobenzene	20.1	20.0	101	80 - 119
1,2-Dichloroethane	18.8	20.0	94	72 - 130
1,2-Dichloropropane	18.2	20.0	91	80 - 119
1,3,5-Trimethylbenzene	18.4	20.0	92	71 - 128
1,3-Dichlorobenzene	19.7	20.0	99	79 - 121
1,3-Dichloropropane	19.7	20.0	99	81 - 115
1,4-Dichlorobenzene	19.8	20.0	99	79 - 119
2-Butanone (MEK)	19.6	20.0	98	60 - 133
2-Hexanone	19.4	20.0	97	61 - 131
4-Isopropyltoluene	19.2	20.0	96	71 - 130
4-Methyl-2-pentanone	19.5	20.0	98	61 - 132
Acetone	19.0	20.0	95	61 - 138
Benzene	18.0	20.0	90	76 - 118
Bromodichloromethane	20.2	20.0	101	79 - 123
Bromoform	21.8	20.0	109	72 - 128
Bromomethane	20.5	20.0	102	46 - 157
Carbon Disulfide	21.3	20.0	106	61 - 144
Carbon Tetrachloride	18.5	20.0	93	64 - 129
Chlorobenzene	19.5	20.0	97	80 - 121
Chloroethane	18.0	20.0	90	69 - 128
Chloroform	19.2	20.0	96	75 - 123

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/23/13

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 359621

Lab Control Sample
RQ1311593-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	19.3	20.0	96	55 - 139
Cyclohexane	19.2	20.0	96	55 - 132
Dibromochloromethane	22.2	20.0	111	78 - 127
Dichlorodifluoromethane (CFC 12)	19.8	20.0	99	45 - 147
Dichloromethane	19.8	20.0	99	73 - 122
Ethylbenzene	18.4	20.0	92	75 - 123
Isopropylbenzene (Cumene)	17.9	20.0	90	75 - 139
Methyl Acetate	18.6	20.0	93	65 - 131
Methyl tert-Butyl Ether	18.0	20.0	90	75 - 116
Methylcyclohexane	17.6	20.0	88	59 - 127
Naphthalene	20.4	20.0	102	71 - 139
Styrene	18.3	20.0	92	80 - 121
Tetrachloroethene (PCE)	18.9	20.0	94	71 - 127
Toluene	17.2	20.0	86	77 - 120
Trichloroethene (TCE)	19.8	20.0	99	75 - 122
Trichlorofluoromethane (CFC 11)	19.4	20.0	97	64 - 134
Vinyl Chloride	18.8	20.0	94	68 - 139
Xylenes, Total	54.3	60.0	90	77 - 122
cis-1,2-Dichloroethene	19.5	20.0	97	77 - 123
cis-1,3-Dichloropropene	17.7	20.0	89	77 - 125
m,p-Xylenes	36.4	40.0	91	77 - 124
n-Butylbenzene	18.5	20.0	92	65 - 135
n-Propylbenzene	19.3	20.0	97	69 - 132
o-Xylene	17.8	20.0	89	77 - 131
sec-Butylbenzene	18.7	20.0	94	67 - 131
tert-Butylbenzene	18.1	20.0	90	70 - 126
trans-1,2-Dichloroethene	18.5	20.0	92	72 - 120
trans-1,3-Dichloropropene	17.8	20.0	89	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 13:36
Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT061.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
95-95-4	2,4,5-Trichlorophenol	360	U	360	64	
88-06-2	2,4,6-Trichlorophenol	360	U	360	53	
120-83-2	2,4-Dichlorophenol	360	U	360	49	
105-67-9	2,4-Dimethylphenol	360	U	360	40	
51-28-5	2,4-Dinitrophenol	1900	U	1900	160	
121-14-2	2,4-Dinitrotoluene	360	U	360	78	
606-20-2	2,6-Dinitrotoluene	360	U	360	60	
91-58-7	2-Chloronaphthalene	360	U	360	38	
95-57-8	2-Chlorophenol	360	U	360	38	
91-57-6	2-Methylnaphthalene	360	U	360	37	
95-48-7	2-Methylphenol	360	U	360	47	
88-74-4	2-Nitroaniline	1900	U	1900	300	
88-75-5	2-Nitrophenol	360	U	360	54	
91-94-1	3,3'-Dichlorobenzidine	360	U	360	66	
	3- and 4-Methylphenol Coelution	360	U	360	55	
99-09-2	3-Nitroaniline	1900	U	1900	340	
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	1900	530	
101-55-3	4-Bromophenyl Phenyl Ether	360	U	360	65	
59-50-7	4-Chloro-3-methylphenol	360	U	360	40	
106-47-8	4-Chloroaniline	360	U	360	70	
7005-72-3	4-Chlorophenyl Phenyl Ether	360	U	360	51	
100-01-6	4-Nitroaniline	1900	U	1900	400	
100-02-7	4-Nitrophenol	1900	U	1900	270	
83-32-9	Acenaphthene	360	U	360	52	
208-96-8	Acenaphthylene	360	U	360	49	
98-86-2	Acetophenone	360	U	360	71	
62-53-3	Aniline	360	U	360	56	
120-12-7	Anthracene	360	U	360	57	
1912-24-9	Atrazine	360	U	360	150	
56-55-3	Benz(a)anthracene	360	U	360	56	
100-52-7	Benzaldehyde	1900	U	1900	95	
50-32-8	Benzo(a)pyrene	360	U	360	61	
205-99-2	Benzo(b)fluoranthene	360	U	360	88	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 13:36
Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT061.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
191-24-2	Benzo(g,h,i)perylene	360	U	360	69	
207-08-9	Benzo(k)fluoranthene	360	U	360	65	
65-85-0	Benzoic Acid	1900	U	1900	650	
92-52-4	Biphenyl	360	U	360	38	
108-60-1	2,2'-Oxybis(1-chloropropane)	360	U	360	44	
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	50	
111-44-4	Bis(2-chloroethyl) Ether	360	U	360	37	
117-81-7	Bis(2-ethylhexyl) Phthalate	180	J	360	50	
85-68-7	Butyl Benzyl Phthalate	360	U	360	56	
105-60-2	Caprolactam	360	U	360	66	
86-74-8	Carbazole	360	U	360	50	
218-01-9	Chrysene	57	J	360	51	
84-74-2	Di-n-butyl Phthalate	360	U	360	100	
117-84-0	Di-n-octyl Phthalate	360	U	360	70	
53-70-3	Dibenz(a,h)anthracene	360	U	360	98	
132-64-9	Dibenzofuran	360	U	360	40	
84-66-2	Diethyl Phthalate	360	U	360	47	
131-11-3	Dimethyl Phthalate	360	U	360	52	
206-44-0	Fluoranthene	360	U	360	58	
86-73-7	Fluorene	360	U	360	46	
118-74-1	Hexachlorobenzene	360	U	360	55	
87-68-3	Hexachlorobutadiene	360	U	360	40	
77-47-4	Hexachlorocyclopentadiene	360	U	360	58	
67-72-1	Hexachloroethane	360	U	360	50	
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	360	60	
78-59-1	Isophorone	360	U	360	48	
621-64-7	N-Nitrosodi-n-propylamine	360	U	360	41	
86-30-6	N-Nitrosodiphenylamine	360	U	360	57	
91-20-3	Naphthalene	360	U	360	37	
98-95-3	Nitrobenzene	360	U	360	39	
608-93-5	Pentachlorobenzene	360	U	360	37	
82-68-8	Pentachloronitrobenzene (PCNB)	360	U	360	46	
87-86-5	Pentachlorophenol (PCP)	1900	U	1900	300	

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 13:36
Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT061.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
85-01-8	Phenanthrene	**350**	J	360	49	
108-95-2	Phenol	360	U	360	40	
129-00-0	Pyrene	360	U	360	70	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	41-151	9/23/13 13:36	
2-Fluorobiphenyl	83	47-126	9/23/13 13:36	
2-Fluorophenol	65	16-129	9/23/13 13:36	
Nitrobenzene-d5	80	39-136	9/23/13 13:36	
Phenol-d6	73	10-145	9/23/13 13:36	
Terphenyl-d14	85	35-152	9/23/13 13:36	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-I3	**Date Collected:**	9/11/13
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 1336

Tentatively Identified Compounds (TIC)
Semivolatile Organic Compounds by GC/MS

Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4
Prep Method:	EPA 3541		
Analytical Method:	8270D		

CAS #	Analyte Name	RT	Result	Q
	unknown	5.84	**2000**	J
	unknown	5.95	**1900**	J
	unknown	6.18	**1700**	J
000493-02-7	Naphthalene, decahydro-, trans-	6.86	**2500**	JN
	unknown	7.01	**3000**	J
	unknown	7.20	**1400**	J
002958-76-1	Naphthalene, decahydro-2-methyl-	7.34	**2300**	JN
	unknown	7.50	**1900**	J
	unknown	7.81	**2100**	J
	unknown	7.88	**3200**	J
	unknown	8.53	**5900**	J
	unknown	8.59	**2000**	J
	unknown	8.92	**2600**	J
	unknown	9.16	**2200**	J
	unknown hydrocarbon	9.43	**6000**	J
	unknown	10.18	**6700**	J
	unknown hydrocarbon	10.97	**1500**	J
	unknown	11.78	**3700**	J
	unknown hydrocarbon	12.27	**2500**	J
	unknown hydrocarbon	13.12	**1500**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/13/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 14:13
Sample Name:	TB-17 (3')	**Units:**	µg/Kg
Lab Code:	R1306782-002	**Basis:**	Dry
		Percent Solids:	84.8

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT062.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	3

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	210	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	180	
120-83-2	2,4-Dichlorophenol	1200	U	1200	160	
105-67-9	2,4-Dimethylphenol	1200	U	1200	130	
51-28-5	2,4-Dinitrophenol	6000	U	6000	500	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	250	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	200	
91-58-7	2-Chloronaphthalene	1200	U	1200	130	
95-57-8	2-Chlorophenol	1200	U	1200	130	
91-57-6	2-Methylnaphthalene	1200	U	1200	120	
95-48-7	2-Methylphenol	1200	U	1200	160	
88-74-4	2-Nitroaniline	6000	U	6000	970	
88-75-5	2-Nitrophenol	1200	U	1200	180	
91-94-1	3,3'-Dichlorobenzidine	1200	U	1200	220	
	3- and 4-Methylphenol Coelution	1200	U	1200	180	
99-09-2	3-Nitroaniline	6000	U	6000	1100	
534-52-1	4,6-Dinitro-2-methylphenol	6000	U	6000	1700	
101-55-3	4-Bromophenyl Phenyl Ether	1200	U	1200	210	
59-50-7	4-Chloro-3-methylphenol	1200	U	1200	130	
106-47-8	4-Chloroaniline	1200	U	1200	230	
7005-72-3	4-Chlorophenyl Phenyl Ether	1200	U	1200	170	
100-01-6	4-Nitroaniline	6000	U	6000	1300	
100-02-7	4-Nitrophenol	6000	U	6000	850	
83-32-9	Acenaphthene	1200	U	1200	170	
208-96-8	Acenaphthylene	1200	U	1200	160	
98-86-2	Acetophenone	1200	U	1200	230	
62-53-3	Aniline	1200	U	1200	190	
120-12-7	Anthracene	1200	U	1200	190	
1912-24-9	Atrazine	1200	U	1200	470	
56-55-3	Benz(a)anthracene	**260**	J	1200	180	
100-52-7	Benzaldehyde	6000	U	6000	310	
50-32-8	Benzo(a)pyrene	**420**	J	1200	200	
205-99-2	Benzo(b)fluoranthene	**360**	J	1200	290	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/13/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 14:13
Sample Name:	TB-17 (3')	**Units:**	µg/Kg
Lab Code:	R1306782-002	**Basis:**	Dry
		Percent Solids:	84.8

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT062.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	3

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
191-24-2	Benzo(g,h,i)perylene	**360**	J	1200	230	
207-08-9	Benzo(k)fluoranthene	**350**	J	1200	210	
65-85-0	Benzoic Acid	6000	U	6000	2100	
92-52-4	Biphenyl	1200	U	1200	120	
108-60-1	2,2'-Oxybis(1-chloropropane)	1200	U	1200	150	
111-91-1	Bis(2-chloroethoxy)methane	1200	U	1200	170	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	120	
117-81-7	Bis(2-ethylhexyl) Phthalate	1200	U	1200	170	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	180	
105-60-2	Caprolactam	1200	U	1200	220	
86-74-8	Carbazole	1200	U	1200	170	
218-01-9	Chrysene	**290**	J	1200	170	
84-74-2	Di-n-butyl Phthalate	**420**	J	1200	330	
117-84-0	Di-n-octyl Phthalate	1200	U	1200	230	
53-70-3	Dibenz(a,h)anthracene	1200	U	1200	320	
132-64-9	Dibenzofuran	1200	U	1200	130	
84-66-2	Diethyl Phthalate	1200	U	1200	160	
131-11-3	Dimethyl Phthalate	1200	U	1200	170	
206-44-0	Fluoranthene	**450**	J	1200	190	
86-73-7	Fluorene	1200	U	1200	150	
118-74-1	Hexachlorobenzene	1200	U	1200	180	
87-68-3	Hexachlorobutadiene	1200	U	1200	130	
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	190	
67-72-1	Hexachloroethane	1200	U	1200	170	
193-39-5	Indeno(1,2,3-cd)pyrene	**300**	J	1200	200	
78-59-1	Isophorone	1200	U	1200	160	
621-64-7	N-Nitrosodi-n-propylamine	1200	U	1200	140	
86-30-6	N-Nitrosodiphenylamine	1200	U	1200	190	
91-20-3	Naphthalene	1200	U	1200	120	
98-95-3	Nitrobenzene	1200	U	1200	130	
608-93-5	Pentachlorobenzene	1200	U	1200	120	
82-68-8	Pentachloronitrobenzene (PCNB)	1200	U	1200	150	
87-86-5	Pentachlorophenol (PCP)	6000	U	6000	970	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/13/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 14:13
Sample Name:	TB-17 (3')	**Units:**	µg/Kg
Lab Code:	R1306782-002	**Basis:**	Dry
		Percent Solids:	84.8

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT062.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	3

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
85-01-8	Phenanthrene	**240**	J	1200	160	
108-95-2	Phenol	1200	U	1200	130	
129-00-0	Pyrene	**400**	J	1200	230	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	62	41-151	9/23/13 14:13	
2-Fluorobiphenyl	66	47-126	9/23/13 14:13	
2-Fluorophenol	47	16-129	9/23/13 14:13	
Nitrobenzene-d5	57	39-136	9/23/13 14:13	
Phenol-d6	56	10-145	9/23/13 14:13	
Terphenyl-d14	82	35-152	9/23/13 14:13	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/13/13
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 1413

Tentatively Identified Compounds (TIC)
Semivolatile Organic Compounds by GC/MS

Sample Name:	TB-17 (3')	**Units:**	µg/Kg
Lab Code:	R1306782-002	**Basis:**	Dry
		Percent Solids:	84.8

Prep Method: EPA 3541
Analytical Method: 8270D

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13 1015
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 14:50
Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT063.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
95-95-4	2,4,5-Trichlorophenol	370	U	370	64	
88-06-2	2,4,6-Trichlorophenol	370	U	370	54	
120-83-2	2,4-Dichlorophenol	370	U	370	49	
105-67-9	2,4-Dimethylphenol	370	U	370	41	
51-28-5	2,4-Dinitrophenol	1900	U	1900	160	
121-14-2	2,4-Dinitrotoluene	370	U	370	79	
606-20-2	2,6-Dinitrotoluene	370	U	370	61	
91-58-7	2-Chloronaphthalene	370	U	370	39	
95-57-8	2-Chlorophenol	370	U	370	39	
91-57-6	2-Methylnaphthalene	370	U	370	37	
95-48-7	2-Methylphenol	370	U	370	48	
88-74-4	2-Nitroaniline	1900	U	1900	310	
88-75-5	2-Nitrophenol	370	U	370	55	
91-94-1	3,3'-Dichlorobenzidine	370	U	370	67	
	3- and 4-Methylphenol Coelution	370	U	370	56	
99-09-2	3-Nitroaniline	1900	U	1900	340	
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	1900	540	
101-55-3	4-Bromophenyl Phenyl Ether	370	U	370	66	
59-50-7	4-Chloro-3-methylphenol	370	U	370	41	
106-47-8	4-Chloroaniline	370	U	370	71	
7005-72-3	4-Chlorophenyl Phenyl Ether	370	U	370	52	
100-01-6	4-Nitroaniline	1900	U	1900	400	
100-02-7	4-Nitrophenol	1900	U	1900	270	
83-32-9	Acenaphthene	370	U	370	53	
208-96-8	Acenaphthylene	370	U	370	49	
98-86-2	Acetophenone	370	U	370	72	
62-53-3	Aniline	370	U	370	57	
120-12-7	Anthracene	370	U	370	58	
1912-24-9	Atrazine	370	U	370	150	
56-55-3	Benz(a)anthracene	370	U	370	57	
100-52-7	Benzaldehyde	1900	U	1900	96	
50-32-8	Benzo(a)pyrene	370	U	370	61	
205-99-2	Benzo(b)fluoranthene	370	U	370	89	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13 1015
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 14:50
Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT063.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
191-24-2	Benzo(g,h,i)perylene	370	U	370	70	
207-08-9	Benzo(k)fluoranthene	370	U	370	66	
65-85-0	Benzoic Acid	1900	U	1900	660	
92-52-4	Biphenyl	370	U	370	38	
108-60-1	2,2'-Oxybis(1-chloropropane)	370	U	370	44	
111-91-1	Bis(2-chloroethoxy)methane	370	U	370	51	
111-44-4	Bis(2-chloroethyl) Ether	370	U	370	37	
117-81-7	Bis(2-ethylhexyl) Phthalate	**80**	**J**	370	51	
85-68-7	Butyl Benzyl Phthalate	370	U	370	56	
105-60-2	Caprolactam	370	U	370	67	
86-74-8	Carbazole	370	U	370	51	
218-01-9	Chrysene	370	U	370	52	
84-74-2	Di-n-butyl Phthalate	370	U	370	110	
117-84-0	Di-n-octyl Phthalate	370	U	370	71	
53-70-3	Dibenz(a,h)anthracene	370	U	370	99	
132-64-9	Dibenzofuran	370	U	370	41	
84-66-2	Diethyl Phthalate	370	U	370	48	
131-11-3	Dimethyl Phthalate	370	U	370	53	
206-44-0	Fluoranthene	370	U	370	59	
86-73-7	Fluorene	370	U	370	46	
118-74-1	Hexachlorobenzene	370	U	370	56	
87-68-3	Hexachlorobutadiene	370	U	370	41	
77-47-4	Hexachlorocyclopentadiene	370	U	370	59	
67-72-1	Hexachloroethane	370	U	370	51	
193-39-5	Indeno(1,2,3-cd)pyrene	370	U	370	61	
78-59-1	Isophorone	370	U	370	49	
621-64-7	N-Nitrosodi-n-propylamine	370	U	370	42	
86-30-6	N-Nitrosodiphenylamine	370	U	370	57	
91-20-3	Naphthalene	370	U	370	37	
98-95-3	Nitrobenzene	370	U	370	39	
608-93-5	Pentachlorobenzene	370	U	370	38	
82-68-8	Pentachloronitrobenzene (PCNB)	370	U	370	47	
87-86-5	Pentachlorophenol (PCP)	1900	U	1900	310	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13 1015
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 14:50
Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT063.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
85-01-8	Phenanthrene	370	U	370	50	
108-95-2	Phenol	370	U	370	41	
129-00-0	Pyrene	370	U	370	71	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	41-151	9/23/13 14:50	
2-Fluorobiphenyl	79	47-126	9/23/13 14:50	
2-Fluorophenol	68	16-129	9/23/13 14:50	
Nitrobenzene-d5	74	39-136	9/23/13 14:50	
Phenol-d6	74	10-145	9/23/13 14:50	
Terphenyl-d14	70	35-152	9/23/13 14:50	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 1450

Tentatively Identified Compounds (TIC)
Semivolatile Organic Compounds by GC/MS

Sample Name:	TB-12 (30')	**Units:**	µg/Kg
Lab Code:	R1306782-003	**Basis:**	Dry
		Percent Solids:	90.1

Prep Method: EPA 3541
Analytical Method: 8270D

CAS #	Analyte Name	RT	Result	Q
	unknown	5.36	**370**	J
	unknown	5.44	**690**	J
	unknown	5.59	**320**	J
	unknown	5.76	**450**	J
	unknown	5.96	**1400**	J
	unknown	6.19	**1800**	J
	unknown	6.28	**1000**	J
	unknown	6.34	**540**	J
	unknown	6.53	**990**	J
	unknown	6.73	**640**	J
	unknown	6.85	**880**	J
	unknown	6.90	**670**	J
	unknown	6.97	**420**	J
	unknown	7.02	**1100**	J
	unknown	7.25	**350**	J
	unknown	7.29	**630**	J
002958-76-1	Naphthalene, decahydro-2-methyl-	7.34	**870**	JN
	unknown	7.73	**350**	J
	unknown	7.81	**590**	J
	unknown	8.91	**380**	J

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 11:43
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311212-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT058.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
95-95-4	2,4,5-Trichlorophenol	330	U	330	58	
88-06-2	2,4,6-Trichlorophenol	330	U	330	49	
120-83-2	2,4-Dichlorophenol	330	U	330	44	
105-67-9	2,4-Dimethylphenol	330	U	330	37	
51-28-5	2,4-Dinitrophenol	1700	U	1700	140	
121-14-2	2,4-Dinitrotoluene	330	U	330	71	
606-20-2	2,6-Dinitrotoluene	330	U	330	55	
91-58-7	2-Chloronaphthalene	330	U	330	35	
95-57-8	2-Chlorophenol	330	U	330	35	
91-57-6	2-Methylnaphthalene	330	U	330	33	
95-48-7	2-Methylphenol	330	U	330	43	
88-74-4	2-Nitroaniline	1700	U	1700	280	
88-75-5	2-Nitrophenol	330	U	330	49	
91-94-1	3,3'-Dichlorobenzidine	330	U	330	60	
	3- and 4-Methylphenol Coelution	330	U	330	50	
99-09-2	3-Nitroaniline	1700	U	1700	310	
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	480	
101-55-3	4-Bromophenyl Phenyl Ether	330	U	330	59	
59-50-7	4-Chloro-3-methylphenol	330	U	330	37	
106-47-8	4-Chloroaniline	330	U	330	64	
7005-72-3	4-Chlorophenyl Phenyl Ether	330	U	330	47	
100-01-6	4-Nitroaniline	1700	U	1700	360	
100-02-7	4-Nitrophenol	1700	U	1700	240	
83-32-9	Acenaphthene	330	U	330	48	
208-96-8	Acenaphthylene	330	U	330	44	
98-86-2	Acetophenone	330	U	330	65	
62-53-3	Aniline	330	U	330	51	
120-12-7	Anthracene	330	U	330	52	
1912-24-9	Atrazine	330	U	330	140	
56-55-3	Benz(a)anthracene	330	U	330	51	
100-52-7	Benzaldehyde	1700	U	1700	87	
50-32-8	Benzo(a)pyrene	330	U	330	55	
205-99-2	Benzo(b)fluoranthene	330	U	330	80	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 11:43
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311212-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT058.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
191-24-2	Benzo(g,h,i)perylene	330	U	330	63	
207-08-9	Benzo(k)fluoranthene	330	U	330	59	
65-85-0	Benzoic Acid	1700	U	1700	600	
92-52-4	Biphenyl	330	U	330	34	
108-60-1	2,2'-Oxybis(1-chloropropane)	330	U	330	40	
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	46	
111-44-4	Bis(2-chloroethyl) Ether	330	U	330	33	
117-81-7	Bis(2-ethylhexyl) Phthalate	330	U	330	46	
85-68-7	Butyl Benzyl Phthalate	330	U	330	51	
105-60-2	Caprolactam	330	U	330	61	
86-74-8	Carbazole	330	U	330	46	
218-01-9	Chrysene	330	U	330	47	
84-74-2	Di-n-butyl Phthalate	330	U	330	91	
117-84-0	Di-n-octyl Phthalate	330	U	330	64	
53-70-3	Dibenz(a,h)anthracene	330	U	330	89	
132-64-9	Dibenzofuran	330	U	330	37	
84-66-2	Diethyl Phthalate	330	U	330	43	
131-11-3	Dimethyl Phthalate	330	U	330	48	
206-44-0	Fluoranthene	330	U	330	53	
86-73-7	Fluorene	330	U	330	42	
118-74-1	Hexachlorobenzene	330	U	330	51	
87-68-3	Hexachlorobutadiene	330	U	330	37	
77-47-4	Hexachlorocyclopentadiene	330	U	330	53	
67-72-1	Hexachloroethane	330	U	330	46	
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	330	55	
78-59-1	Isophorone	330	U	330	44	
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	38	
86-30-6	N-Nitrosodiphenylamine	330	U	330	52	
91-20-3	Naphthalene	330	U	330	33	
98-95-3	Nitrobenzene	330	U	330	35	
608-93-5	Pentachlorobenzene	330	U	330	34	
82-68-8	Pentachloronitrobenzene (PCNB)	330	U	330	42	
87-86-5	Pentachlorophenol (PCP)	1700	U	1700	280	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 11:43
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311212-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	359856
Prep Method:	EPA 3541	**Extraction Lot:**	191738
Data File Name:	I:\ACQUDATA\5973A\DATA\092313\CT058.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
85-01-8	Phenanthrene	330	U	330	45	
108-95-2	Phenol	330	U	330	37	
129-00-0	Pyrene	330	U	330	64	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	72	41-151	9/23/13 11:43	
2-Fluorobiphenyl	64	47-126	9/23/13 11:43	
2-Fluorophenol	56	16-129	9/23/13 11:43	
Nitrobenzene-d5	57	39-136	9/23/13 11:43	
Phenol-d6	63	10-145	9/23/13 11:43	
Terphenyl-d14	82	35-152	9/23/13 11:43	

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Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/13
		Date Analyzed:	9/23/13 1143

Tentatively Identified Compounds (TIC)
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311212-01	**Basis:**	Dry

Prep Method: EPA 3541
Analytical Method: 8270D

CAS #	Analyte Name	RT	Result	Q

No Tentatively Identified Compounds Detected.

Comments:

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QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/23/13

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 191738

	Lab Control Sample RQ1311212-02			Duplicate Lab Control Sample RQ1311212-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-Trichlorophenol	2480	3330	75	2620	3330	79	47 - 131	5	30
2,4,6-Trichlorophenol	2530	3330	76	2680	3330	80	46 - 136	5	30
2,4-Dichlorophenol	2540	3330	76	2600	3330	78	39 - 135	2	30
2,4-Dimethylphenol	2140	3330	64	2250	3330	67	31 - 135	5	30
2,4-Dinitrophenol	2090	3330	63	2730	3330	82	10 - 148	26	30
2,4-Dinitrotoluene	2730	3330	82	2930	3330	88	45 - 152	7	30
2,6-Dinitrotoluene	2660	3330	80	2790	3330	84	50 - 146	5	30
2-Chloronaphthalene	2370	3330	71	2530	3330	76	41 - 124	7	30
2-Chlorophenol	2420	3330	72	2610	3330	78	39 - 123	8	30
2-Methylnaphthalene	2370	3330	71	2390	3330	72	33 - 125	1	30
2-Methylphenol	2440	3330	73	2610	3330	78	38 - 123	7	30
2-Nitroaniline	2530	3330	76	2680	3330	81	44 - 139	6	30
2-Nitrophenol	2590	3330	78	2680	3330	80	47 - 128	3	30
3,3'-Dichlorobenzidine	2010	3330	60	2210	3330	66	19 - 111	9	30
3- and 4-Methylphenol Coelution	4710	6670	71	5040	6670	76	42 - 114	7	30
3-Nitroaniline	2270	3330	68	2430	3330	73	43 - 106	7	30
4,6-Dinitro-2-methylphenol	2500	3330	75	2800	3330	84	29 - 141	12	30
4-Bromophenyl Phenyl Ether	2440	3330	73	2590	3330	78	45 - 137	6	30
4-Chloro-3-methylphenol	2550	3330	76	2670	3330	80	42 - 140	4	30
4-Chloroaniline	2370	3330	71	2450	3330	73	34 - 101	3	30
4-Chlorophenyl Phenyl Ether	2500	3330	75	2620	3330	79	47 - 132	5	30
4-Nitroaniline	2310	3330	69	2490	3330	75	34 - 131	8	30
4-Nitrophenol	2170	3330	65	2610	3330	78	10 - 130	18	30
Acenaphthene	2450	3330	73	2600	3330	78	43 - 133	6	30
Acenaphthylene	2450	3330	74	2550	3330	76	45 - 133	4	30
Acetophenone	2490	3330	75	2580	3330	78	44 - 114	4	30
Aniline	2190	3330	66	2420	3330	73	18 - 108	10	30
Anthracene	2430	3330	73	2510	3330	75	48 - 129	3	30
Atrazine	2920	3330	87	3090	3330	93	39 - 151	6	30
Benz(a)anthracene	2430	3330	73	2550	3330	76	48 - 129	5	30
Benzaldehyde	3860	3330	116	4200	3330	126	62 - 200	8	30
Benzo(a)pyrene	2480	3330	74	2630	3330	79	45 - 125	6	30
Benzo(b)fluoranthene	2620	3330	79	2850	3330	85	45 - 136	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/23/13

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 191738

Analyte Name	Lab Control Sample RQ1311212-02 Result	Spike Amount	% Rec		Duplicate Lab Control Sample RQ1311212-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	2540	3330	76		2720	3330	82	51 - 131	7	30
Benzo(k)fluoranthene	2680	3330	80		2800	3330	84	43 - 131	4	30
Benzoic Acid	1700 U	3330	0	*	977	3330	29	10 - 92	NC	30
Biphenyl	2490	3330	75		2580	3330	77	35 - 131	4	30
2,2'-Oxybis(1-chloropropane)	2700	3330	81		2810	3330	84	38 - 138	4	30
Bis(2-chloroethoxy)methane	2490	3330	75		2510	3330	75	48 - 123	<1	30
Bis(2-chloroethyl) Ether	2360	3330	71		2360	3330	71	44 - 111	<1	30
Bis(2-ethylhexyl) Phthalate	2670	3330	80		2830	3330	85	50 - 142	6	30
Butyl Benzyl Phthalate	2610	3330	78		2740	3330	82	46 - 137	5	30
Caprolactam	2420	3330	72		2650	3330	79	42 - 112	9	30
Carbazole	2420	3330	73		2560	3330	77	40 - 140	6	30
Chrysene	2400	3330	72		2520	3330	76	48 - 128	5	30
Di-n-butyl Phthalate	2590	3330	78		2680	3330	81	36 - 164	4	30
Di-n-octyl Phthalate	2940	3330	88		3110	3330	93	48 - 137	6	30
Dibenz(a,h)anthracene	2450	3330	74		2610	3330	78	50 - 135	6	30
Dibenzofuran	2410	3330	72		2530	3330	76	45 - 126	5	30
Diethyl Phthalate	2540	3330	76		2650	3330	80	46 - 141	5	30
Dimethyl Phthalate	2550	3330	76		2670	3330	80	48 - 139	5	30
Fluoranthene	2420	3330	73		2500	3330	75	46 - 138	4	30
Fluorene	2480	3330	74		2600	3330	78	46 - 134	5	30
Hexachlorobenzene	2420	3330	72		2530	3330	76	41 - 138	5	30
Hexachlorobutadiene	2140	3330	64		2190	3330	66	10 - 142	2	30
Hexachlorocyclopentadiene	2370	3330	71		2490	3330	75	10 - 133	5	30
Hexachloroethane	2110	3330	63		2140	3330	64	10 - 129	2	30
Indeno(1,2,3-cd)pyrene	2500	3330	75		2650	3330	79	48 - 128	6	30
Isophorone	2380	3330	71		2420	3330	72	44 - 122	2	30
N-Nitrosodi-n-propylamine	2470	3330	74		2560	3330	77	44 - 126	4	30
N-Nitrosodiphenylamine	2560	3330	77		2690	3330	81	43 - 156	5	30
Naphthalene	2310	3330	69		2330	3330	70	31 - 123	<1	30
Nitrobenzene	2380	3330	71		2420	3330	73	35 - 134	2	30
Pentachlorophenol (PCP)	2140	3330	64		2460	3330	74	17 - 150	14	30
Phenanthrene	2500	3330	75		2590	3330	78	45 - 140	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/23/13

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 191738

Analyte Name	Lab Control Sample RQ1311212-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1311212-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Phenol	2300	3330	69	2480	3330	74	10 - 144	7	30
Pyrene	2560	3330	77	2690	3330	81	45 - 132	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
		Date Extracted:	9/20/13
		Date Analyzed:	9/24/13 11:20
Sample Name:	TB-15A (24')	**Units:**	µg/Kg
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	360033
Prep Method:	EPA 3541	**Extraction Lot:**	192209
Data File Name:	I:\ACQUDATA\GCEXT4\DATA\092413\NM771.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	36	U	36	19	
11104-28-2	Aroclor 1221	73	U	73	38	
11141-16-5	Aroclor 1232	36	U	36	19	
53469-21-9	Aroclor 1242	36	U	36	19	
12672-29-6	Aroclor 1248	36	U	36	19	
11097-69-1	Aroclor 1254	36	U	36	21	
11096-82-5	Aroclor 1260	36	U	36	19	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	57	22-150	9/24/13 11:20	
Tetrachloro-m-xylene	33	10-126	9/24/13 11:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/20/13
		Date Analyzed:	9/24/13 09:36
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1311372-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	360033
Prep Method:	EPA 3541	**Extraction Lot:**	192209
Data File Name:	I:\ACQUDATA\GCEXT4\DATA\092413\NM768.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	33	U	33	17	
11104-28-2	Aroclor 1221	67	U	67	34	
11141-16-5	Aroclor 1232	33	U	33	17	
53469-21-9	Aroclor 1242	33	U	33	17	
12672-29-6	Aroclor 1248	33	U	33	17	
11097-69-1	Aroclor 1254	33	U	33	19	
11096-82-5	Aroclor 1260	33	U	33	17	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	76	22-150	9/24/13 09:36	
Tetrachloro-m-xylene	46	10-126	9/24/13 09:36	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/24/13

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 192209

	Lab Control Sample RQ1311372-02			Duplicate Lab Control Sample RQ1311372-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1260	135	167	81	132	167	79	58 - 129	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

METALS

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: R1306782 SDG No.: TB-15A (24"

Lab Code: Case No.: SAS No.:

SOW No.: SW846 CLP-M

Sample ID.	Lab Sample No.
TB-15A (24')	R1306782-001
TB-15A (24')D	R1306782-001D
TB-15A (24')S	R1306782-001S

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attatched Case Narrative

Signature: Name: Michael Perry

Date: 10/10/13 Title: Laboratory Director

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ALS Environmental

METALS
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: TB-15A (24')

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Lab Sample ID: R1306782-001

Level (low/med): LOW Date Received: 9/16/2013

% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	1.0	U		P
7429-90-5	Aluminum	5580			P
7440-38-2	Arsenic	6.7			P
7440-39-3	Barium	34.5			P
7440-41-7	Beryllium	0.521	U		P
7440-70-2	Calcium	42200		*	P
7440-43-9	Cadmium	0.521	U		P
7440-48-4	Cobalt	5.2	U		P
7440-47-3	Chromium	22.0		*	P
7440-50-8	Copper	15.3			P
7439-89-6	Iron	15900			P
7440-09-7	Potassium	619			P
7439-95-4	Magnesium	4820		*	P
7439-96-5	Manganese	697		*	P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	146			P
7440-02-0	Nickel	10.9		N	P
7439-92-1	Lead	9.2			P
7440-36-0	Antimony	6.3	U		P
7782-49-2	Selenium	1.0	U		P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	9.8			P
7440-66-6	Zinc	51.6		N	P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

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BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Aluminum	100.000	U	100.000	U	100.000	U	100.000	U	10.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Barium	20.000	U	20.000	U	20.000	U	20.000	U	2.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.500	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	0.500	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	5.000	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Copper	20.000	U	20.000	U	20.000	U	20.000	U	2.000	U	P
Potassium	2000.000	U	2000.000	U	2000.000	U	2000.000	U	200.000	U	P
Magnesium	1000.000	U	1000.000	U	1000.000	U	1000.000	U	100.000	U	P
Manganese	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.033	U	CV
Sodium	1000.000	U	1000.000	U	1000.000	U	1000.000	U	100.000	U	P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	4.000	U	P
Lead	50.000	U	50.000	U	50.000	U	50.000	U	5.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	6.000	U	P
Selenium	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Thallium	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	5.000	U	P
Zinc	20.000	U	20.000	U	20.000	U	20.000	U	2.000	U	P

Comments:

METALS

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BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver			10.000	U							P
Aluminum			100.000	U							P
Arsenic			10.000	U							P
Barium			20.000	U							P
Beryllium			5.000	U							P
Cadmium			5.000	U							P
Cobalt			50.000	U							P
Chromium			10.000	U							P
Copper			20.000	U							P
Potassium			2000.000	U							P
Magnesium			1000.000	U							P
Manganese			10.000	U	10.000	U					P
Mercury			0.200	U							CV
Sodium			1000.000	U							P
Nickel			40.000	U							P
Lead			50.000	U							P
Antimony			60.000	U							P
Selenium			10.000	U							P
Thallium			10.000	U	10.000	U					P
Vanadium			50.000	U							P
Zinc			20.000	U							P

Comments:

METALS

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BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Calcium	1000.000	U	1000.000	U	1000.000	U	1000.000	U	100.000	U	P
Iron	100.000	U	100.000	U	100.000	U	100.000	U	10.000	U	P

Comments:

METALS

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BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Calcium			1000.000	U	1000.000	U					P
Iron			100.000	U	100.000	U					P

Comments:

ALS Environmental

METALS

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-15A (24')S

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	75 - 125	5.19		1.04	U	5.4	96		P
Aluminum		4850.00		5580.00		214.0	-341		P
Arsenic	75 - 125	10.10		6.70		4.3	79		P
Barium	75 - 125	227.00		34.50		214.0	90		P
Beryllium	75 - 125	5.19		0.52	U	5.4	96		P
Calcium		66400.00		42200.00		214.0	11308		P
Cadmium	75 - 125	4.32		0.52	U	5.4	80		P
Cobalt	75 - 125	51.00		5.21	U	53.6	95		P
Chromium	75 - 125	42.10		22.00		21.5	93		P
Copper	75 - 125	39.70		15.30		26.8	91		P
Iron		14700.00		15900.00		107.0	-1121		P
Potassium	75 - 125	2620.00		619.00		2150.0	93		P
Magnesium		15800.00		4820.00		214.0	5131		P
Manganese		1090.00		318.00		53.6	1440		P
Sodium	75 - 125	2300.00		146.00		2150.0	100		P
Nickel	75 - 125	49.70		10.90		53.6	72	N	P
Lead	75 - 125	59.10		9.24		53.60	93		P
Antimony	75 - 125	45.90		6.25	U	53.6	86		P
Selenium	75 - 125	96.40		1.04	U	108.0	89		P
Thallium	75 - 125	206.00		0.95	U	214.0	96		P
Vanadium	75 - 125	58.70		9.83		53.6	91		P
Zinc	75 - 125	87.90		51.60		53.6	68	N	P

Comments: _____

METALS
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POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-15A (24')A

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Silver		41.10		10.00	U	50.0	82		P
Aluminum		54300.00		53500.00		2000.0	40		P
Arsenic		101.00		64.30		40.0	92		P
Barium		2200.00		331.00		2000.0	93		P
Beryllium		49.20		5.00	U	50.0	98		P
Calcium		22400.00		20200.00		2000.0	110		P
Cadmium		42.20		5.00	U	50.0	84		P
Cobalt		494.00		50.00	U	500.0	99		P
Chromium		394.00		211.00		200.0	92		P
Copper		383.00		147.00		250.0	94		P
Iron		8560.00		7610.00		1000.0	95		P
Potassium		25100.00		5940.00		20000.0	96		P
Magnesium		46400.00		46200.00		2000.0	10		P
Manganese		3810.00		3340.00		500.0	94		P
Sodium		20800.00		1400.00		20000.0	97		P
Nickel		494.00		105.00		500.0	78		P
Lead		545.00		88.60		500.0	91		P
Antimony		488.00		60.00	U	500.0	98		P
Selenium		927.00		10.00	U	1010.0	92		P
Thallium		1950.00		10.00	U	2000.0	98		P
Vanadium		564.00		94.30		500.0	94		P
Zinc		915.00		495.00		500.0	84		P

Comments: _____

METALS
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DUPLICATES

SAMPLE NO.

TB-15A (24')D

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.4 % Solids for Duplicate: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		1.04	U	1.06	U			P
Aluminum		5580.00		5050.00		10		P
Arsenic		6.70		6.49		3		P
Barium		34.50		36.10		5		P
Beryllium		0.52	U	0.53	U			P
Calcium		42200.00		67100.00		46	*	P
Cadmium		0.52	U	0.53	U			P
Cobalt		5.21	U	5.31	U			P
Chromium		22.00		14.60		40	*	P
Copper		15.30		14.20		7		P
Iron		15900.00		14600.00		9		P
Potassium	212.0	619.00		697.00		12		P
Magnesium		4820.00		13600.00		95	*	P
Manganese		318.00		899.00		95	*	P
Sodium	106.0	146.00		176.00		19		P
Nickel	4.3	10.90		10.10		8		P
Lead	5.3	9.24		7.98		15		P
Antimony		6.25	U	6.37	U			P
Selenium		1.04	U	1.06	U			P
Thallium		0.95	U	2.12	U			P
Vanadium	5.3	9.83		9.33		5		P
Zinc		51.60		47.40		8		P

Comments:

METALS

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LABORATORY CONTROL SAMPLE

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Silver				34	33.81		22.8 46.1	98
Aluminum				8400	7667.01		3950 12800	91
Arsenic				95	88.52		77.8 111	94
Barium				167	169.88		140 193	102
Beryllium				58	55.88		47.8 67.4	97
Calcium				6140	5572.04		5110 7180	91
Cadmium				61	59.22		50.3 70.7	98
Cobalt				102	104.19		84.9 119	102
Chromium				70	72.36		57.6 83.2	103
Copper				80	84.11		66.7 92.4	106
Iron				12500	11279.54		6330 18700	90
Potassium				2490	2392.73		1740 3230	96
Magnesium				2580	2486.51		1960 3190	96
Manganese				283	291.29		233 332	103
Mercury				3.730	3.83		2.56 4.89	103
Sodium				215	214.46		144 286	100
Nickel				58	58.99		47.7 67.5	102
Lead				92	91.79		75.5 108	100
Antimony				93	129.79		6 186	139
Selenium				86	81.45		69.2 104	94
Thallium				120	122.50		93.9 145	102
Vanadium				57	55.79		41.9 72	98
Zinc				140	137.49		115 165	98

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
Sample Name:	TB-15A (24')		
Lab Code:	R1306782-001	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**91.4**		Percent	1.0	1	NA	9/23/13 13:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/11/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
Sample Name:	TB-15A (24')		
Lab Code:	R1306782-001	**Basis:**	Dry
		Percent Solids:	91.4

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Cyanide, Total	9012B	0.094	U	mg/Kg	0.094	1	9/24/13	9/24/13 17:08	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/13/13 1130
Sample Matrix:	Soil	**Date Received:**	9/16/13
Sample Name:	TB-17 (3')		
Lab Code:	R1306782-002	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**84.8**		Percent	1.0	1	NA	9/23/13 13:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	9/12/13 1015
Sample Matrix:	Soil	**Date Received:**	9/16/13
Sample Name:	TB-12 (30')		
Lab Code:	R1306782-003	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**90.1**		Percent	1.0	1	NA	9/23/13 13:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1306782-MB	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	1.0	U	Percent	1.0	1	NA	9/23/13 13:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Day Environmental, Incorporated	**Service Request:**	R1306782
Project:	Olean/48845-13	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1306782-MB	**Basis:**	Dry

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Cyanide, Total	9012B	0.10	U	mg/Kg	0.10	1	9/24/13	9/24/13 16:47	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/24/13

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

Analyte Name	Method	Lab Control Sample R1306782-LCS1 Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	9012B	1.01	1.00	101	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Analyzed: 9/24/13

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

Analyte Name	Method	Lab Control Sample R1306782-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	9012B	4.04	4.00	101	85 - 115

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.