LABELLA Associates, P.C.

Engineering
Architecture
Environmental

2011 Periodic Review Report: NYSDEC VCP Site No. V00178

Location:

Ultralife Corporation
2000 Technology Parkway
Newark, New York

Prepared for:

Ultralife Corporation
2000 Technology Parkway
Newark, New York

LaBella Project No. 209025.01

October, 2011

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October, 2011

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

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APPENDICES

1.0 INTRODUCTION

LaBella Associates, P.C. (LaBella) is pleased to submit this Periodic Review Report (PRR) for a portion of the Ultralife Corporation property located at 2000 Technology Parkway, in the Village of Newark, Wayne County (hereinafter referred to as the "Site"). A site Location Map is included as Figure 1. The Site was previously remediated under the New York State (NYS) Voluntary Cleanup Program (VCP) Site #V00178-8 administered by New York State Department of Environmental Conservation (NYSDEC). However, the remedy included conducting follow-up monitoring and this PRR documents that work.

1.1 Site Description

Ultralife Corporation (formerly known as Ultralife Batteries, Inc.), hereinafter referred to as Ultralife, entered into a VCA with the NYSDEC to remediate a 14.24-acre portion of a larger (approximately 67-acre) parcel. As part of the remedy implemented at the site the VCP boundaries were expanded to include off-site acreage which increased the VCP site acreage to 14.41 acres. A figure showing the site location and boundaries of the 14.41-acre portion of the larger 67-acre parcel is provided as Figure 2.

The site is bounded to the north by vacant/undeveloped land, to the south by Silver Hill Road, to the east by vacant/undeveloped land, and to the west by Route 88. The VCP Site and larger parcel is a manufacturing Site and is improved with one approximate 117,000-square foot building, parking lots, paved access roads, and paved loading/unloading areas. The remainder of the larger parcel consists of grass, landscaped areas, and undeveloped vegetated and wooded land. The facility is located in a zoned industrial park (the Stuart Park Complex) situated in a primarily agricultural/rural and residential area.

1.2 Environmental History

Ultralife implemented a soil remediation project to address a cinder block drainage vault adjacent to building 4000 between October and December 2003. Thirty-five cubic yards (cy) of impacted soil and 550 gallons of water were removed and disposed of off-site. Twelve confirmatory soil samples were collected from the bottom and sidewalls of the excavation and analyzed for Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), and Target Analyte List (TAL) Metals. The confirmatory soil samples did not detect concentrations of contaminants above the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs), with the exception of one soil sample from the bottom of the excavation that indicated zinc at a concentration of 53.4 parts per million (ppm), which is slightly above the Eastern USA Background of 50 ppm.

A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the site in 2008. Generally the RI determined that previous underground wastewater storage vault remedial work was effective and no further remediation was recommended. However, two (2) areas of sediment impacted with polyaromatic hydrocarbons (PAHs) and heavy metals were identified (Outfall #1 and Outfall #2) and the nature and extent of such contaminants were delineated both on and off the defined VCP Site.

The remedial measures completed at the site were in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP), and included:

- Excavation of sediment from the two (2) outfall areas;
- Execution and recording of a Deed Restriction to restrict land use and groundwater use at the site and prevent future exposure to any contamination remaining at the site; and,
- development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Deed Restriction, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, and (3) reporting.

The remedial activities were completed at the site in July and August 2010.

2.0 PURPOSE AND SCOPE OF WORK

The purpose of this report is to present the monitoring work completed at the site during the 1-year annual inspection in July 2011. This work was completed in substantial conformance with the provisions identified in the SMP. As required in the SMP, this report includes the following information:

- Identification, assessment and certification of all Engineering Controls/Institutional Controls (ECs/ICs) required by the remedy for the site;
- Results of the required annual site inspections and severe condition inspections, if applicable;
- All applicable inspection forms and other records generated for the site during the reporting period in electronic format (included in report);
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables and graphical representations of contaminants of concern by media, which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format;
- A site evaluation, which includes the following:
    - The compliance of the remedy with the requirements of the site-specific RAWP;
    - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
    - Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and
    - The overall performance and effectiveness of the remedy.

3.0 MONITORING

The SMP required several forms of monitoring which are summarized below:

- Monitoring of the vegetative cover placed during restoration activities after the remedial work. This was conducted one month, six months, and one year after completion of the remedies for the outfalls.
- Sediment sampling of the outfalls 1-year after the remedial work to confirm the effectiveness of the remedy.
- Annual groundwater monitoring to evaluate the condition of groundwater at the Site and specifically in relation to metals in groundwater.

The monitoring program identified in the SMP is summarized in the following table:

Schedule of Monitoring/Inspection Reports

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater Monitoring	Annually for 2 years	Groundwater	TAL Metals
Sediment	One Sampling Event One Year After Remedy Implementation	Sediment	TAL Metals TCL SVOCs + TICs
Vegetative Cover	1 month, 6 months, & 1 year after Remedy Implementation	NA	NA

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

A summary of the work completed is provided in the subsequent sections below.

3.1 Groundwater Monitoring

Groundwater monitoring was conducted on July 20, 2011. The monitoring included sampling of seven (7) existing groundwater monitoring wells at the locations shown on Figure 2.

Static water levels (SWLs) were collected during the sampling event. Figure 3 shows the locations of the monitoring wells from which water levels were collected and groundwater contours interpreted from the SWLs. SWL measurements were collected with a Heron Dipper-T Water Level Meter. The probe was decontaminated between each monitoring well to prevent cross-contamination.

The samples were collected using low flow sampling procedures with a QED Environmental Systems Sample Pro Bladder Pump which was decontaminated between each well. Field measurements of indicator parameters were collected using a Horiba U-22 water quality meter (Horiba) equipped with an in-line flow cell. The following field measurements were collected:

- pH
- Conductivity
- Temperature
- Oxygen Reduction Potential (ORP)
- Turbidity
- Dissolved Oxygen (DO)

Water quality parameter readings were recorded at regular intervals and groundwater samples were collected after stabilization criteria were met. The stabilization criteria include:

Measurement	Maximum Variability for 3 Consecutive Readings
pH	+/- 0.1 standard units
Conductivity	+/- 3 %
Oxidation Reduction Potential	+/- 10 mV
Turbidity	+/- 10 %
Dissolved Oxygen	+/- 10 %

The required criteria were met prior to sample collection. In addition, the SWL was monitored during the low-flow purging of the well to confirm that drawdown in the well was minimized. Groundwater sampling logs that include the in-field parameter measurements are included in Appendix A.

The groundwater samples were placed in coolers and preserved with ice for shipment via chain of custody control to Mitkem Laboratories in Warwick, Rhode Island for analysis. Mitkem Laboratories is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. The samples were analyzed for the following analysis at each well:

- Target Analyte List (TAL) Metals using United States Environmental Protection Agency (USEPA) Method 6010 and 7471 (Mercury).

In addition, all laboratory data from the groundwater monitoring event was reported in an Analytical Services Protocol (ASP) Category B Deliverables data package and a Data Usability Summary Report (DUSR) was completed on the sampling.

A copy of the laboratory report and the DUSR is included as Appendix B.

3.2 Sediment Sampling

The sediment samples were collected on July 20, 2011 in order to evaluate the effectiveness of the Sediment Removal remedial work. Five (5) sediment samples were selected down the centerline of each drainage ditch. One (1) sediment sample was collected at the discharge point of each outfall (i.e., start of removal area) and one was collected from the end of each removal area (for Outfall #1 this was 200 feet from discharge point and for Outfall #2 this was 110 feet from discharge point). The remaining three (3) sediment samples in each drainage ditch were collected equidistant from the outfall discharge point to the end of the removal area. Sample locations are shown on Figure 3. Sediment samples were collected from 0-6 inches in depth.

Samples were placed in laboratory supplied 4-ounce jars and shipped on ice under chain of custody procedures to Mitkem Laboratories. Three (3) samples were damaged during transport to the laboratory and were re-sampled and submitted on July 28, 2011. The samples were analyzed for the following:

- Target Compound List (TCL) Semi-Volatile Organic Compounds (SVOCs) including 20 Tentatively Identified Compounds (TICs) using United States Environmental Protection Agency (USEPA) Method 8270; and,
- Target Analyte List (TAL) Metals using USEPA Method 6000/7000 series.

In addition, all laboratory data from the sediment monitoring event was reported in an ASP Category B Deliverables data package and a DUSR was completed on the sampling.

A copy of the laboratory report and the DUSR is included as Appendix B.

3.3 Vegetative Cover Inspection

The vegetative cover was inspected on July 20, 2011. Both drainage ditches appeared to be stable with no visible indications that erosion was occurring or that bank stability had been compromised as a result of the sediment removal work. Vegetative cover of both drainage ditches was approximately 100% and the species distribution appeared comparable to the surrounding area. Photos of each restored outfall are included as Appendix C. No erosion control or other restoration activities appear warranted at this time. Also included in Appendix C are the 1-month and 6-month vegetative cover reports for comparison.

3.4 Deviations from RAWP

Deviations from the RAWP were not encountered during the reporting period with the following exceptions.

- the species diversity was not quantified during vegetative cover monitoring.

4.0 GROUNDWATER FLOW CONTOURS

SWL measurements collected during the groundwater sampling events indicate that the surface of the uppermost water-bearing zone is present approximately 2 to 7-feet (ft) below the ground surface (bgs). The SWLs collected were used to calculate groundwater elevations. All groundwater elevations were made relative to a site-specific vertical datum. Groundwater contours are shown on Figure 3.

Groundwater contours developed from SWL measurements collected during the groundwater sampling event indicate that general groundwater flow at the site is from the south to the north.

5.0 SUMMARY OF GROUNDWATER MONITORING

The results of the groundwater monitoring are summarized in Table 1 and are compared to the NYSDEC Part 703 groundwater standards. The previous groundwater sampling data summary tables from the Remedial Investigation Report, which includes sampling from 2001 through 2007, are included as Appendix D for comparison purposes.

As indicated on Table 1, metals were detected above the laboratory detection limits in each of the seven groundwater samples collected in 2011. The concentrations of six metals were detected above the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Groundwater Standards or Guidance Values in one or more samples. These are summarized below:

- Iron was detected in four of the wells (MW-03, MW-04, MW-05 and MW-2SP) at concentrations above the TOGS 1.1.1 Groundwater Guidance Value (300 µg/L). Specifically, the concentrations for these four wells ranged between 404 µg/L and 3,630 µg/L. In comparison to the historical data, the concentrations of iron have significantly reduced over time. A graphs of iron concentrations over time for these four wells is included in Appendix E.
- Magnesium was detected in three of the wells (MW-1, MW-2, and MW-4) at concentrations above the TOGS 1.1.1 Groundwater Guidance Value (35,000 µg/L). Specifically, the concentrations for these three wells ranged between 46,400 µg/L and 49,600 µg/L. In comparison to the historical data, the concentrations of magnesium appear to have significantly reduced over time for wells MW-02 and MW-04. The concentration of magnesium in well MW-1 appears to generally be the same concentration (however, a large enough data set is not available to make meaningful comparisons). A graph of magnesium concentrations over time for these three wells is included in Appendix E.
- Manganese was detected in two of the wells (MW-1 and MW-2SP) at concentrations above the TOGS 1.1.1 Groundwater Guidance Value (300 µg/L). Specifically, the concentrations for these two wells were 645 µg/L and 500 µg/L, respectively. In comparison to the historical data, the concentrations of manganese appear to have reduced over time for these wells. A graph of manganese concentrations over time for these three wells is included in Appendix E.
- Sodium 1, 2, 3, 4, 5, 1SP was detected in six of the wells (MW-1, MW-2, MW-3, MW-4, MW-5 and MW-1SP) at concentrations above the TOGS 1.1.1 Groundwater Guidance Value (20,000 µg/L). Specifically, the concentrations for these six wells ranged between 23,300 µg/L and 213,000 µg/L. In comparison to the historical data, the concentrations of sodium appear to generally be the same concentration (however, a large enough data set is not available to make meaningful comparisons). A graph of sodium concentrations over time for these wells is included in Appendix E.
- Cadmium was detected in well MW-04 at a concentration of 6.1 µg/L which is slightly above the TOGS1.1.1 Groundwater Standard of 5 µg/L. In comparison to the historical data, the concentration of cadmium appears to be decreasing since the April 2004 sampling event. A graph of cadmium concentrations over time for this well is included in Appendix E.

- Arsenic was detected in well MW0-05 at a concentration of 40.0 µg/L which is above the TOGS1.1.1 Groundwater Standard of 25 µg/L. In comparison to the historical data, the concentration of arsenic appears to be decreasing since the initial sampling event since the January 2001 sampling event. A graph of arsenic concentrations over time for this well is included in Appendix E.

6.0 SUMMARY OF SEDIMENT MONITORING

Sediment monitoring was conducted from the drainage ditches at the locations shown on Figure 3. The results of the sediment monitoring are summarized in Table 2 (SVOCs) and Table 3 (Metals) and are compared to the NYSDEC Technical Guidance for Screening Contaminated Sediments, latest revision 1999 (identified herein as NYSDEC Sediment Guidance). It should be noted that this includes the low and severe effects levels for metals.

Outfall #1

- *SVOCs* – Sixteen or more TCL SVOCs were detected in each of the five sediment samples from Outfall #1. In addition, TICs were also detected in each of the five sediment samples from Outfall #1. As indicated on Table 2, three or more SVOCs exceeded their respective individual compound NYSDEC Guidance Values in each of the sediment samples from Outfall #1. In addition the total Poly-Aromatic Hydrocarbon (PAH) Guidance Value of 4 ppm was also exceeded in each of the four sediment samples from Outfall #1. It should be noted that the concentrations significantly decreased (greater than 30 times less) between sample at the discharge point and the sample at the end of the sediment removal area.
- *Metals* – Metals were detected in each of the five sediment samples from Outfall #1. As indicated on Table 3, two or more metals exceeded their respective individual NYSDEC low effect levels in each of the sediment samples from Outfall #1. In addition two samples (nearest the outfall discharge point) also identified one or more metals at concentrations above the NYSDEC severe effect levels. It should be noted that the concentrations significantly decreased between the sample at the discharge point and the sample at the end of the sediment removal area.

Outfall #2

- *SVOCs* – Two samples detected TCL SVOCs above the reported laboratory Method Detection Limit (MDLs); however, these were below their respective NYSDEC Guidance Values. It should be noted that numerous SVOCs were detected but flagged as estimated concentrations due to the detections being below the MDLs. In addition, TICs were detected in each of the Outfall #2 sediment samples; however, the highest concentration was 1.94 ppm at the outfall discharge point sample. The total SVOCs identified for each of the Outfall #2 samples were below the NYSDEC Guidance Value of 4 ppm for total PAHs.
- *Metals* – Metals were detected in each of the five sediment samples from Outfall #2. As indicated on Table 3, one or more metals exceeded their respective individual NYSDEC low effect levels in each of the sediment samples from Outfall #2. However, no samples from Outfall #2 were identified at concentrations above the NYSDEC severe effect levels. It should be noted that the concentrations appear to decrease between the sample at the discharge point and the sample at the end of the sediment removal area for all of the metals, with the exception of manganese, which appears to remain at a relatively constant concentration.

7.0 SITE EVALUATION

The annual monitoring work conducted in July 2011 was completed in accordance with the SMP, with any exceptions noted in Section 3.4. A discussion on the results of the monitoring work is included below:

Groundwater Monitoring

The analytical results from the groundwater sampling event indicate that some metals are present in the seven (7) groundwater monitoring wells at concentrations above the NYSDEC Part 703 Groundwater Standards. However, for all metals with exceedences in the July 2011 sampling event, the concentrations appear to be generally decreasing over time with the exception of a few that appear to remain generally consistent with previous sampling. Although these metals have concentrations above the NYSDEC TOGS 1.1.1 Standards or Guidance Values, these metals are also naturally occurring and the concentrations identified do not appear to be increasing or at a level of concern based on the fact that the deed restricts the use of groundwater unless approval is obtained.

Based on these results, it appears that the previous remedial work (concrete vault and associated soil removal work) has been effective at removing sources of metal in groundwater and it does not appear that additional remedial measures are warranted. It is recommended that the planned July 2012 groundwater monitoring event be conducted to confirm similar decreasing trends or asymptotic conditions. Furthermore, in the event that such decreasing trends or asymptotic conditions are encountered in 2012, it would be recommended that no further sampling be conducted in relation to groundwater at the Site.

Outfall Monitoring

The results of the sediment monitoring are summarized for each outfall separately below:

Outfall #1

The vegetative cover was noted to have fully recovered during the 1-year monitoring event. The 1-year sediment sampling results from Outfall #1 indicate that SVOCs and Metals are at concentrations above NYSDEC guidance values. Since the remedy included installing clean backfill (as evidenced by samples collected from the backfill prior to placement), it appears that a continuing source of SVOCs and Metals may be entering Outfall #1. Further investigation is recommended to evaluate the source of SVOCs and Metals and determine if additional actions are warranted, before a Corrective Measures Plan can be prepared.

Outrfall #2

The vegetative cover was noted to have fully recovered during the 1-year monitoring event. The 1-year sediment sampling results from Outfall #2 indicated that SVOCs were not identified at concentrations above NYSDEC guidance values, and contained no Metals above the severe effect level recommended by the NYSDEC. It appears that remedial goals have been met in Outfall #2, and that no further evaluation is required for Outfall #2.

8.0 Supplemental Investigation of Outfall #1

The Supplemental Investigation Plan presented herein is based on the assumption that SVOCs and Metals in the sediments of Outfall #1 potentially relate to one of the following sources; stormwater run-off over asphalt pavement, downstream transport of materials retained inside the stormwater piping/catch basins and/or degradation of the metals in the stormwater piping structures themselves.

This assumption is based on the following factors:

1. Stormwater is conveyed from a series of catch basins to Outfall #1 from the northern portion of the facility, whereas the southern portion of the facility conveys stormwater to Outfall #2.

2. A significant portion of the asphalt drainage area for Outfall #1 was 'chip sealed' in 2008. The approximate extent of the chip sealing work is shown on Figure 4. The chip sealing work was conducted around November 2008 and did not seal properly. As such, this area of paving has been deteriorating rapidly since the work was completed.

3. The drainage area of Outfall #2 was not sealed recently and the results of the sampling of outfall #2 are significantly different than the Outfall #1 sampling.

In order to confirm if these assumptions are accurate, and to determine what, if any, further corrective measures are required, the following Supplemental Investigation Work is recommended:

Task 1: Video Inspection of Outfall #1 Stormwater Piping

A specialized plumbing contractor will remotely inspect and video document the piping associated with Outfall #1 in order to confirm its condition and relationship to the associated discharges to this outfall. Figure 4 currently illustrates the anticipated drainage features connected to this outfall, which the video inspection will attempt to confirm. In addition to tracing the piping and confirming discharges, the video will be used to assess the amount of sediment within the piping. This information will then be used to guide the sampling as described in Task 2.

Task 2: Sediment and Asphalt Paving Sampling and Laboratory Testing

The objective of this task will be twofold:

1. Re-sample the same sediment sampling locations completed during the 1-year monitoring event to confirm the results are accurate. This work will be conducted utilizing the same procedures and testing parameters/methods as identified in the SMP.

2. Sampling of sediment within the Outfall #1 piping structures and representative samples of the asphalt (tar sealant) from the drainage area of Outfall #1. Specifically, up to five (5) samples will be collected from within the piping or catch basins associated with Outfall #1 and up to two (2) samples of the tar sealant will be collected from the chip sealing area of the Outfall #1 drainage area. These samples will also be analyzed for TCL VOCs plus TICs using USEPA Method 8270 and TAL Metals using USEPA Methods 6000/7000 series.

Task 3: Summary Letter and Additional Corrective Measures (If Any)

At the conclusion of the field work and subsequent to receiving the laboratory analytical data, LaBella will prepare a Summary Letter that will detail the work completed, including a comparison of all site-specific analytical data to the appropriate Standards and/or Guidance Values. In addition, the letter may include additional Corrective Measures to be implemented at the Site. The letter will also contain mapping that will depict investigative points and Site features. The letter will be submitted in both digital and hard copy formats.

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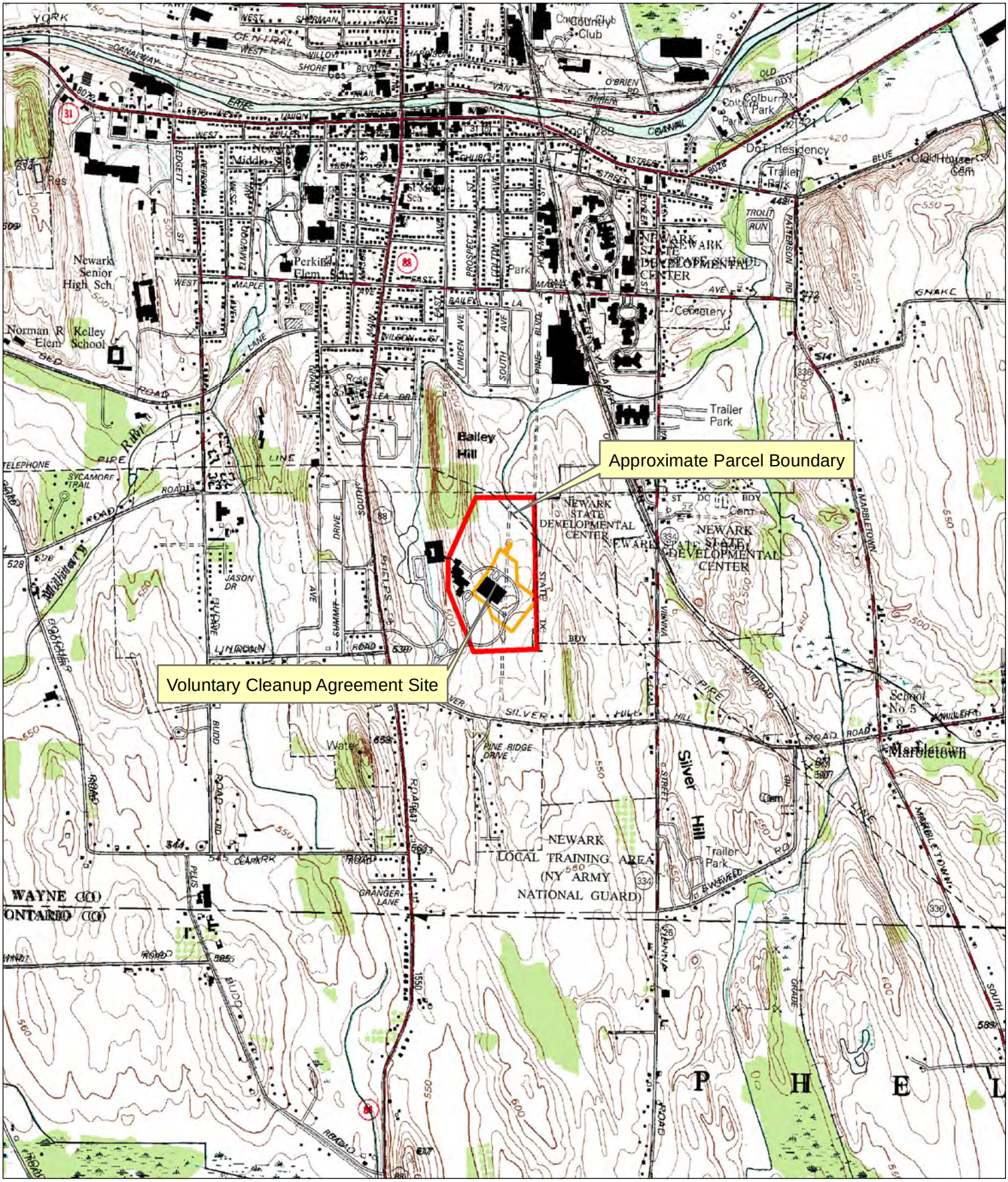
Figures



PROJECT/DRAWING NUMBER

209025.01

FIGURE 1

DRAWING TITLE

SITE LOCATION WITH USGS 7.5 MINUTE TOPO MAP
NEWARK QUAD

ISSUED FOR: FINAL
DATE: 8/12/11
DESIGNED BY: IPJ
DRAWN BY: IPJ
REVIEWED BY: DPN

PROJECT/CLIENT

Ultralife Corporation
VCA Site #V00178-8

Periodic Review Report

2000 Technology Parkway
Newark, New York

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0 0.2 0.4 0.8 Miles

1:24,000

N W E S

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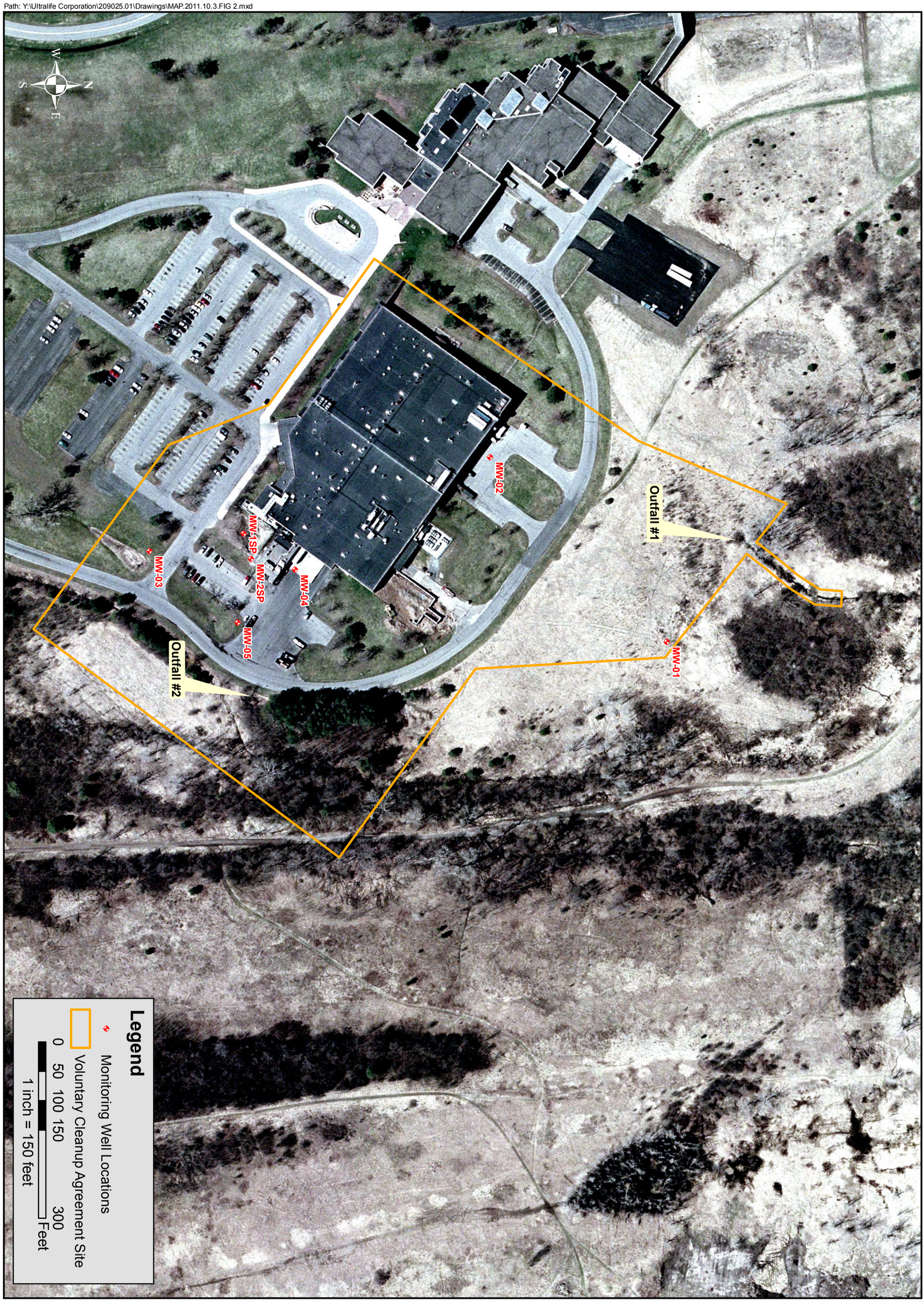

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209025.01

FIGURE 2

DRAWING TITLE

Site Plan with Monitoring Well Locations

ISSUED FOR: FINAL

DATE: 07/08/2011

DESIGNED BY: IPJ

DRAWN BY: IPJ

REVIEWED BY: IPJ

PROJECT/CLIENT

Ultralife Batteries

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Outfall #1-E
Outfall #1-D
Outfall #1-C
Outfall #1-B
Outfall #1-A
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
MW-01
MW-02
MW-03
MW-04
MW-1SP
MW-2SP
MW-05
Outfall #2-E
Outfall #2-D
Outfall #2-C
Outfall #2-B
Outfall #2-A
General Site-Wide Flow Direction
N
W
E
S

Legend

- Sediment Sample Locations (Approximate)
- Monitoring Well Locations
- Outfall Centerline
- Groundwater Surface Contours (ft) - July 13, 2011
- Voluntary Cleanup Agreement Site

0 50 100 150 300 Feet

1 inch = 150 feet

Path: Y:\Ultralife Corporation\209025.01\Drawings\MAP 2011.10.3.FIG 3.mxd

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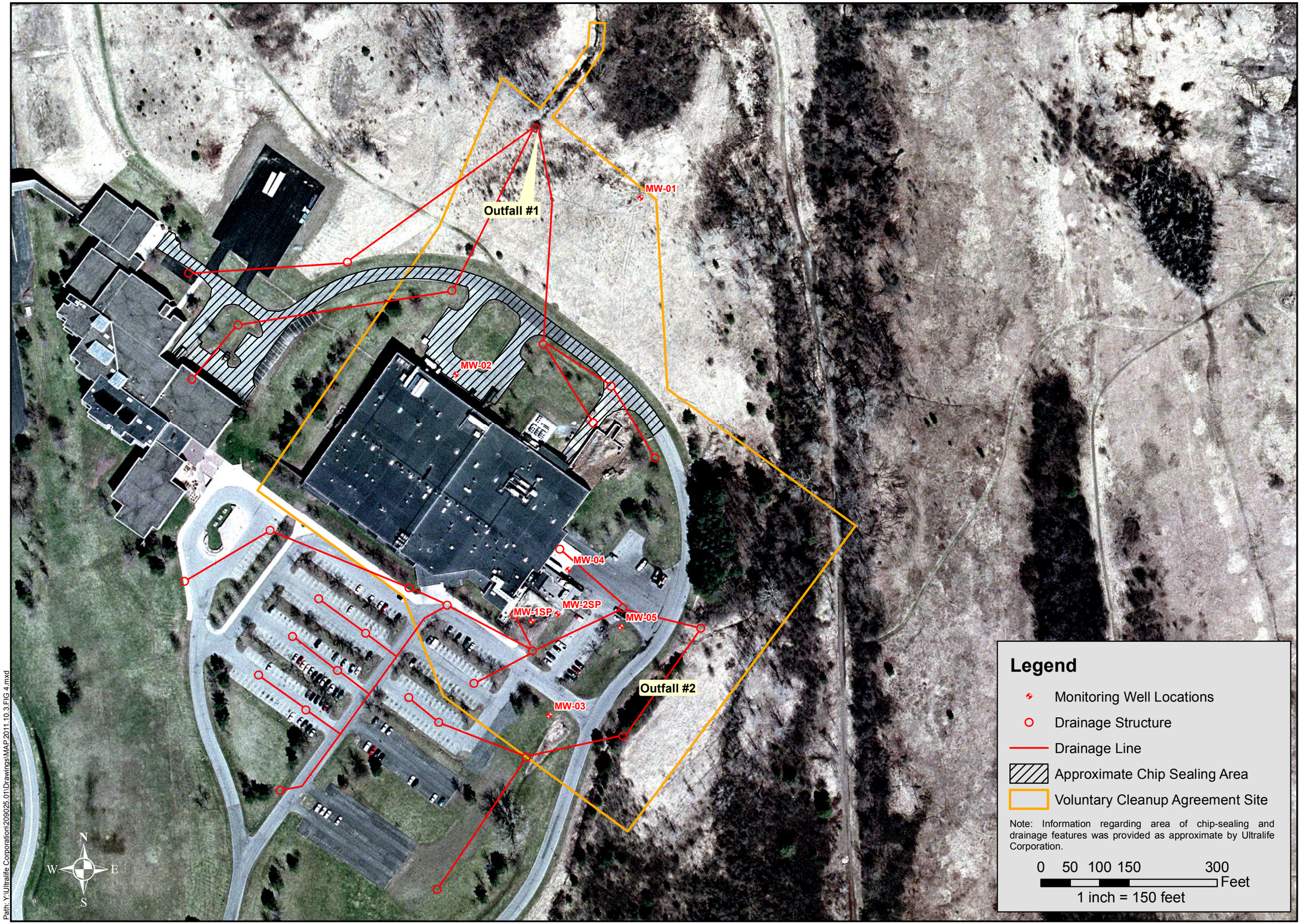
DRAWING TITLE
July 13, 2011
Groundwater Contours and
Sediment Sampling Locations

ISSUED FOR: FINAL
DESIGNED BY: PJ
DRAWN BY: PJ
REVIEWED BY: PJ
DATE: 08/24/2011

PROJECT/DRAWING NUMBER
209025.01

FIGURE 3



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Legend

- Monitoring Well Locations
- Drainage Structure
- Drainage Line
- Approximate Chip Sealing Area
- Voluntary Cleanup Agreement Site

Note: Information regarding area of chip-sealing and drainage features was provided as approximate by Ultralife Corporation.

0 50 100 150 300 Feet

1 inch = 150 feet

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NYSDEC Site No. V00178
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DRAWING TITLE
Approximate Drainage Features for Outfalls

DESIGNED BY: IPJ
DRAWN BY: RCN
REVIEWED BY: IPJ
ISSUED FOR: FINAL
DATE: 07/08/2011

PROJECT/DRAWING NUMBER
209025.01
FIGURE 4

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Tables

TABLE 1
July 2011 Groundwater Sample Results
Target Analyte List Metals by USEPA Methods 6010 and 7471
All Results Expressed in micrograms per Liter (µg/L) or about Parts Per Billion (PPB)

Well ID / Location	MW-01	MW-02	MW-03	MW-04	MW-05	MW-1SP	MW-2SP	NYSDEC TOGS 1.1.1 Groundwater Standard or Guidance Value
Sample Date	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	
Aluminum	66.0 U	69.0 B	66.0 U	180 B	155 B	66.0 U	66.0 U	2,000
Antimony	**9.3 U**	**9.3 U**	**9.3 U**	**9.3 U**	**9.3 U**	**9.3 U**	**9.3 U**	3
Arsenic	6.8 B	6.1 B	4.3 U	7.9 B	**40.0**	12.9 B	20.4	25
Barium	19.1 B	61.2 B	91.0 B	124 B	487	106 B	80.9 B	1,000
Beryllium	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	3
Cadmium	0.89 U	0.89 U	0.89 U	**6.1**	0.89 U	0.89 U	0.89 U	5
Calcium	217,000	118,000	123,000	214,000	106,000	99,200	65,400	NL
Chromium	0.64 U	0.64 U	0.64 U	1.1 B	0.64 U	0.64 U	0.64 U	50
Cobalt	0.67 U	0.67 U	0.67 U	2.1 B	0.88 B	0.67 U	0.67 U	NL
Copper	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	200
Iron	108 B	62.7 B	**404**	**523**	**2,990**	228	**3,630**	300*
Lead	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	25
Magnesium	**49,600**	**46,400**	31,700	**46,800**	34,500	24,800	13,800	35,000
Manganese	**645**	10.0 U	157	21.2 B	191	76.4	**500**	300*
Mercury	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.7
Nickel	0.85 U	0.85 U	0.85 U	1.7 B	1.5 B	2.0 B	0.87 B	100
Potassium	2,510	2,660	1,590	1,910	1,480	6,050	1,870	NL
Selenium	12.0 U	12.0 U	12.0 U	12.0 U	12.0 U	12.0 U	12.0 U	10
Silver	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	50
Sodium	**23,300.0**	**67,200**	**90,000**	**263,000**	**191,000**	**213,000**	4,250	20,000
Thallium	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	0.5
Vanadium	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	NL
Zinc	7.9 B	5.1 B	84.3	29.8 B	33.2 B	28.7 B	15.9 B	2,000

B denotes the constituent was detected below the reporting limit but equal to or above the detection limit.
U denotes the constituent was not detected
Bold Denotes a value that exceeds the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Standards or Guidance Value
* Denotes also a guidance value for Iron and Manganese combined of 500 ppb.
Underline denotes concenteration of Iron and Manganese exceeds NYSDEC Standard.

Reference Page

Sediment Samples from 1-Year Monitoring Event
Ultralife Corporation, 2000 Technology Parkway, Newark, New York

Notes:

- micrograms per Kilogram is approximately equivalent to parts per billion (ppb)
- milligrams per Kilogram is approximately equivalent to parts per million (ppm)
- Bold denotes a concentration that exceeds the NYSDEC Technical Guidance for Screening Contaminated Sediments (latest revision 1999)
- NA denotes Not Applicable
- ND denotes Non Detect
- NL denotes Not Listed
- NR denotes Not Regulated
- NYSDEC denote New York State Department of Environmental Conservation
- TICs denotes Tentatively Identified Compounds
- USEPA denotes United States Environmental Protection Agency
- --- denotes not analyzed for associated parameter

Laboratory Data Qualifiers

B	For Organic analyses, this flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.
E	For Organics analysis, this flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
D	For Organics analysis, this flag indicates the compound concentration was obtained from a diluted analysis.
J	For Organics analysis, this flag indicates an estimated value due to either: the compound was detected below the reporting limit, or the estimated concentration for Tentatively Identified Compound3
N	Spiked sample recovery not within control limits.
M	Duplicate injection precision not met.
P	This flag is used for Pesticides/PCB/Herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The lower of the two values is reported in the Analysis Report.
U	Not Detected. This compound was analyzed-for but not detected. For Organics analysis the reporting limit (lowest standard concentration) is the value listed. For Inorganics analysis, the value listed is the detection limit. For Inorganics analyzed using SW-846 methods, the detection limit is the Method Detection Limit, for Inorganics analyzed using EPA CLP and NY ASP CLP methods, the detection limit is the Instrument Detection Limit.
*	For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

July 2011 Sediment Sampling Event
Summary of Detected Semi-Volatile Organic Compounds
All Results Expressed in milligrams per kilogram (mg/Kg) or about Parts per Million (ppm)

	OUTFALL #1 SAMPLES					OUTFALL #2 SAMPLES					
Soil Boring ID / Location	**Outfall #1-A**	**Outfall #1-B**	**Outfall #1-C**	**Outfall #1-D**	**Outfall #1-E**	**Outfall #2-A**	**Outfall #2-B**	**Outfall #2-C**	**Outfall #2-D**	**Outfall #2-E**	**NYSDEC Guidance Values**
Sample Date	7/28/2011	7/20/2011	7/20/2011	7/28/2011	7/20/2011	7/20/2011	7/20/2011	7/28/2011	7/20/2011	7/20/2011	
Naphthalene	6.9	0.92	1.3	2.3	0.79 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	11.4
2-Methylnaphthalene	4.7	0.58	0.94	1.2	0.79 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	13.4
Acenaphthene	23 DJ	2	3.7 DJ	4.8 DJ	0.46	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	NL
Dibenzofuran	11	1.1	2.6	3	0.24 DJ	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	NL
Fluorene	**24 DJ**	2	4.2 DJ	**5.7 DJ**	0.45	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	5.1
Hexachlorobenzene	1.5 U	0.43 U	0.39 U	0.45 U	0.4 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	3.2
Phenanthrene	**190 D**	**17 D**	**36 D**	**49 D**	**4.3 D**	0.089 J	0.15 J	0.21 J	0.064 J	0.092 J	1.4
Anthracene	39 DJ	2.9	7.7 D	7.8 DJ	0.95	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	43
Carbazole	28 DJ	2.4	4.7 D	7.1 DJ	0.69	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	NL
Fluoranthene	230 D	2.4 D	40 D	55 D	6.2 D	0.28 J	0.43	0.59	0.28 J	0.32 J	NL
Pyrene	180 D	18 D	28 D	40 D	4.8 D	0.22 J	0.36 J	0.47	0.23 J	0.27 J	386
Benzo (a) anthracene	82 D	11 D	14 D	17 D	3.1	0.1 J	0.2 J	0.22 J	0.14 J	0.17 J	NL
Chrysene	**90 D**	**13 D**	**13 D**	**19 D**	**3**	0.14 J	0.25 J	0.27 J	0.16 J	0.18 J	2.8
bis (2-Ethylhexyl) phthalate	1.5 U	0.43 U	0.39 U	3.2	0.4 U	0.29 J	0.14 J	0.19 J	0.17 J	0.2 J	NL
Di-n-octylphthalate	1.5 U	0.43 U	0.39 U	2.8	0.4 U	0.38 U	0.39 U	0.39 U	0.38 U	0.39 U	NL
Benzo (b) fluoranthene	110 D	15 D	16 D	19 D	3.6 D	0.16 J	0.31 J	0.32 J	0.19 J	0.24 J	NL
Benzo (k) fluoranthene	36 DJ	5.9 D	2.9	9.6 D	1.4	0.077 J	0.13 J	0.15 J	0.1 J	0.091 J	NL
Benzo (a) pyrene	75 DJ	11 D	12 D	14 D	2.9	0.1 J	0.21 J	0.23 J	0.14 J	0.16 J	NL
Ideno (1,2,3-cd) pyrene	37 DJ	5.7 D	6 DJ	6.8 DJ	1.6	0.063 J	0.13 J	0.15 J	0.076 J	0.09 J	NL
Dibenzo (a,h,) anthracene	**10**	**2.6**	**2.5**	**2.2**	**0.55**	**0.38 U**	**0.39 U**	0.042 J	**0.38 U**	**0.39 U**	0.3
Benzo (g,h,i) perylene	40 DJ	6.1 D	6.7 DJ	7 DJ	1.6	0.078 J	0.15 J	0.18 J	0.092 J	0.1 J	NL
Total TICs	112.21	10.62	10.8	15.72	4.45	1.94	1.3	0.45	0.78	1.33	NL
Total PAHs	**1216.6**	**108.6**	**188.24**	**276.5**	**37.42**	3.537	3.76	3.472	2.422	3.243	4

Refer to the Reference Page for information on qualifiers, Guidance Values, Bold, etc. for sediment samples

July 2011 Sediment Sampling Event
Summary of Detected Metals
All Results Expressed in milligrams per kilogram (mg/Kg) or about Parts per Million (ppm)

Soil Boring ID / Location	Outfall #1-A	Outfall #1-B	Outfall #1-C	Outfall #1-D	Outfall #1-E	Outfall #2-A	Outfall #2-B	Outfall #2-C	Outfall #2-D	Outfall #2-E	Available Low and Severe Effect Levels
Sample Date	7/28/2011	7/20/2011	7/20/2011	7/28/2011	7/20/2011	7/20/2011	7/20/2011	7/28/2011	7/20/2011	7/20/2011	
Aluminum	3,790	3,940	5,550 B,N	4,960	3,770	1,780	4,050	3,310	2,960	2,450	NL
Antimony	0.26 U	0.30 U,N	0.50	0.29 U	0.35 B,N	0.54 B,N	0.38 U,N	0.29 U	0.34 B,N	0.45 U,N	2, 225
Arsenic	**7.8**	4.7	**6.8**	**6.4**	4.8	4.8	5.1	4.9	4.5	4.3	6, 33
Barium	25.2	48.2	44.0	44.3	31.2	20.0	25.0	23.9	19.4	22.5	NL
Beryllium	0.19	0.22	0.34	0.31	0.19	0.13 B,N	0.22 B	0.17 B	0.19 B	0.17 B	NL
Cadmium	0.010 U	0.012 U	0.0089 U	0.012 U	0.0099 U	0.077 B,N	0.015 U	0.029 B	0.013 U	0.018 U	0.6, 9
Calcium	76,300	82,800	89,600	64,000	114,000	173,000	107,000	109,000	113,000	135,000	NL
Chromium	**34.1**	6.3 *	8.0 *	6.4	6.1 *	3.6 *	6.5 *	4.9	4.1 *	4.0 *	26, 110
Cobalt	4.2	4.3 E	5.7 E	5.1	3.8 E	2.6 E	4.6 E	3.6	3.0 E	2.9 B,E	NL
Copper	**196**	**24.6**	**20.6**	**21.4**	**16.5**	9.5	**21.0**	14.6	11.3	10.6	16, 110
Iron	23,100	12,300	13,700	16,200	10,900	6,130	11,900	9,580	11,200	7,540	NL
Lead	16.4	9.4	8.0	11.0	9.3	8.8	9.7	8.4	7.3	9.7	31, 110
Magnesium	26,200	7,150 *	23,400 *	6,430	6,300 *	26,200 *	15,000 *	17,400	13,700 *	17,400 *	NL
Manganese	**589**	**1,390**	**658**	**912**	**768**	**521**	**620**	**626**	**625**	**619**	460, 1100
Mercury	0.0025 U	0.0052 B	0.0058 B	0.0092 B	0.0027 B	0.0077 B	0.0040 B	0.0055 B	0.0039 B	0.014 B	0.15, 1.3
Nickel	**20.1**	9.2	11.4	8.5	8.2	6.1	9.4	7.9	6.5	6.4	16, 50
Potassium	517	512 E	883 E	495	446 E	404 E	493 E	461	411 E	495 E	NL
Selenium	0.44 U	0.50 U	0.38 U	0.49 U	0.42 U	0.43 U	0.64 U	1.1 B	0.54 U	0.76 U	NL
Silver	0.097 B	0.25 B	0.10 B	0.092 B	0.14 B	0.059 B	0.14 B	0.049 U	0.10 B	0.089 B	1, 2.2
Sodium	114	95.3 E	141 E	100	113 E	175 E	148 E	162	267 E	166 E	NL
Thallium	0.15 U	0.17 U	0.13 U	0.21 B	0.15 U	0.15 U	0.22 U	0.79	0.19 U	0.26 U	NL
Vanadium	12.5	8.0	12.4	14.7	9.0	5.0	9.3	7.2	8.0	6.9	NL
Zinc	**282**	**208 N**	60.6 N	94.2	86.6 N	**220 N**	**127 N**	115	118 N	**139 N**	120, 270

Refer to the Reference Page for information on qualifiers, Guidance Values, etc. for sediment samples.
Bold denotes parameter above associated NYSDEC Low Effect Level.
Highlight denotes parameter is above associated NYSDEC Severe Effect Level

LABELLA
LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix A

Groundwater Sampling Logs

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. MW-01

Project Name: Ultralife Corporation
Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers
Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch
Static Water Level: 2.93 -Feet BGS*
Depth of Well: -Feet
Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type:
☒ Pump - Type low-flow
Sampling Device:
Pump Rate: 4.16 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
1300		4.68	17.9	2.020	124		Color = clear
1305		4.64	16.2	2.070	101		LNAPL or DNAPL observed = No
1310		4.65	15.3	2.030	65.2		Odor?: YES / (NO)
1315		4.96	15.2	1.880	48.7		Sheen?: YES / (NO)
1335		5.11	16.6	1.870	55.4		
1340		5.26	16.0	1.580	33.1		

Total Gallons Purged
Purge Start Time:
Purge End Time:

WELL SAMPLING

Sample I.D. MW-01
Sample Time: 1345
No. of Containers: 1
Sample Preservation: HNO3

Sampled For:
☐ VOCs - 8260B TCL + STARS
☐ SVOCs - 8270C STARS
☐ STARS VOCs Only - Method 8260B
☒ ~~Total /~~ Dissolved TAL Metals
☐ Pesticides
☐ PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. MW-02

Project Name: Ultralife Corporation
Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers
Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch
Static Water Level: 5.96 -Feet BGS*
Depth of Well: 17.61 -Feet
Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

[ ] Bailer - Type:
[x] Pump - Type low-flow
Sampling Device:
Pump Rate: 1.52 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
1300		7.91	21.4	1.230	311		Color = clear
1305		7.90	21.6	1.230	253		LNAPL or DNAPL observed = No
1310		7.83	20.4	1.210	150		Odor?: YES / (NO)
1315		7.88	21.5	1.210	466		Sheen?: YES / (NO)
1320		7.90	22.5	1.210	40		
1325		7.91	22.6	1.210	42		
1330		7.93	22.6	1.210	38		

Total Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. MW-02
Sample Time: 1335
No. of Containers: 1
Sample Preservation: HNO3

Sampled For:
[ ] VOCs - 8260B TCL + STARS
[ ] SVOCs - 8270C STARS
[ ] STARS VOCs Only - Method 8260B
[x] ~~Total /~~ Dissolved TAL Metals
[ ] Pesticides
[ ] PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
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GROUNDWATER SAMPLING FORM

WELL I.D. MW-03

Project Name: Ultralife Corporation
Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers
Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch
Static Water Level: 4.20 -Feet BGS*
Depth of Well: 7.40 -Feet
Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

[ ] Bailer - Type:
[x] Pump - Type low-flow
Sampling Device:
Pump Rate: 2.78 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
817		7.58	20.4	1.150	311	N/A	Color = clear
822		7.40	19.6	1.210	253	N/A	LNAPL or DNAPL observed = No
827		7.36	19.4	1.230	150	N/A	Odor?: YES / (NO)
832		7.33	19.5	1.250	466	N/A	Sheen?: YES / (NO)
837		7.34	19.4	1.260	40	N/A	
842		7.36	19.3	1.280	42	N/A	
847		7.37	19.4	1.280	38	N/A	

Total Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. MW-03
Sample Time: 850
No. of Containers: 1
Sample Preservation: HNO3

Sampled For:
[ ] VOCs - 8260B TCL + STARS
[ ] SVOCs - 8270C STARS
[ ] STARS VOCs Only - Method 8260B
[x] ~~Total /~~ Dissolved TAL Metals
[ ] Pesticides
[ ] PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)

Well Volume (1" well) = 0.0408-gal/ft.
Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. MW-04

Project Name: Ultralife Corporation
Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers
Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch
Static Water Level: 6.18 -Feet BGS*
Depth of Well: 14.54 -Feet
Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

[ ] Bailer - Type:
[x] Pump - Type low-flow
Sampling Device:
Pump Rate: 4.17 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
1135		8.05	19.7	2.470	106		Color = clear
1140		8.11	20.9	2.480	140		LNAPL or DNAPL observed = No
1145		8.15	21.0	2.400	109		Odor?: YES / (NO)
1150		8.21	21.0	2.270	102		Sheen?: YES / (NO)
1155		8.20	20.7	2.230	55.3		
1200		8.16	20.5	2.200	54.3		
1205		8.14	20.2	2.220	49		

Total Gallons Purged
Purge Start Time:
Purge End Time:

WELL SAMPLING

Sample I.D. MW-04 & Blind Duplicate
Sample Time: 1210
No. of Containers: 2
Sample Preservation: HNO3

Sampled For:
[ ] VOCs - 8260B TCL + STARS
[ ] SVOCs - 8270C STARS
[ ] STARS VOCs Only - Method 8260B
[x] ~~Total /~~ Dissolved TAL Metals
[ ] Pesticides
[ ] PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)
Blind duplicate collected.

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
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GROUNDWATER SAMPLING FORM

WELL I.D. MW-05

Project Name: Ultralife Corporation
Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers
Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch
Static Water Level: 6.55 -Feet BGS*
Depth of Well: 10.98 -Feet
Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

[ ] Bailer - Type:
[x] Pump - Type low-flow
Sampling Device:
Pump Rate: 2.55 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
1025		7.57	22.4	1.580	very clear		Color = clear
1030		7.60	19.4	1.580	61.2		LNAPL or DNAPL observed = No
1035		7.66	18.6	1.580	25		Odor?: YES / (NO)
1045		7.70	20.2	1.590	14.4		Sheen?: YES / (NO)
1050		7.71	19.7	1.560	6.1		

Total Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. MW-05, MS, & MSD
Sample Time: 1055
No. of Containers: 3
Sample Preservation: HNO3

Sampled For:
[ ] VOCs - 8260B TCL + STARS
[ ] STARS VOCs Only - Method 8260B
[ ] Pesticides
[ ] SVOCs - 8270C STARS
[x] ~~Total /~~ Dissolved TAL Metals
[ ] PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)
MS/MSD collected.

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. MW-1SP

Project Name: Ultralife Corporation
Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers
Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch
Static Water Level: 6.72 -Feet BGS*
Depth of Well: 12.54 -Feet
Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

[ ] Bailer - Type:
[x] Pump - Type low-flow
Sampling Device:
Pump Rate: 2.55 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
955		4.94	27.9	1.630	N/A		Color = clear
1000		4.78	27.7	1.610	N/A		LNAPL or DNAPL observed = No
1005		4.38	27.9	1.250	N/A		Odor?: YES / (NO)
1010		4.27	27.8	1.630	N/A		Sheen?: YES / (NO)
1015		4.28	28.2	1.680	N/A		
1020		4.22	28.8	1.670	N/A		
1025		4.18	29.3	1.660	N/A		
1030		4.21	29.7	1.670	N/A		
1035		4.19	29.9	1.670	N/A		
1100		4.24	30.1	1.620	N/A		

Total Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. MW-1SP
Sample Time: 1105
No. of Containers: 1
Sample Preservation: HNO3

Sampled For:
[ ] VOCs - 8260B TCL + STARS
[ ] SVOCs - 8270C STARS
[ ] STARS VOCs Only - Method 8260B
[x] ~~Total /~~ Dissolved TAL Metals
[ ] Pesticides
[ ] PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA Associates, P.C.
300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER SAMPLING FORM

WELL I.D. MW-2SP

Project Name: Ultralife Corporation Project No.: 209025.01
Location: Newark, NY
Sampled By: Ira Poplar-Jeffers Date: July 20, 2011
Weather:

PURGE VOLUME CALCULATION

Well Diameter: 2.0 -Inch Static Water Level: 6.00 -Feet BGS*
Depth of Well: 12.54 -Feet Single Well Volume: -Gallons

PURGE & SAMPLING METHOD

☐ Bailer - Type: ☒ Pump - Type low-flow
Sampling Device: Pump Rate: 0.98 mL/sec

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
920		7.15	20.7	2.040	N/A		Color = clear
925		7.17	20.0	1.018	N/A		LNAPL or DNAPL observed = No
930		7.20	19.7	1.020	N/A		Odor?: YES / (NO)
935		7.23	19.8	0.398	N/A		Sheen?: YES / (NO)
940		7.29	20.1	0.413	N/A		
945		7.29	20.8	0.475	N/A		
950		7.30	21.0	0.473	N/A		

Total Gallons Purged Purge Start Time: Purge End Time:

WELL SAMPLING

Sample I.D. MW-1SP Sample Time: 1105
No. of Containers: 1 Sample Preservation: HNO3

Sampled For:
☐ VOCs - 8260B TCL + STARS ☐ STARS VOCs Only - Method 8260B ☐ Pesticides
☐ SVOCs - 8270C STARS ☒ ~~Total /~~ Dissolved TAL Metals ☐ PCBs

OBSERVATIONS:

Measured listed static water level from ground surface level (for groundwater modeling purposes)

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

LABELLA
LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix B

Laboratory and Data Usability Summary Reports

Report Date:
15-Aug-11 15:59

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

LaBella Associates
300 State Street, Suite 201
Rochester, NY 14614

Work Order: K1310
Project : LaBella Stand By
Project #: ULTRALIFE CORP.

Attn: Dennis Porter

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K1310-01	MW-01	Aqueous	20-Jul-11 13:50	22-Jul-11 08:59
K1310-02	MW-02	Aqueous	20-Jul-11 13:40	22-Jul-11 08:59
K1310-03	MW-03	Aqueous	20-Jul-11 08:50	22-Jul-11 08:59
K1310-04	MW-04	Aqueous	20-Jul-11 12:05	22-Jul-11 08:59
K1310-05	MW-05	Aqueous	20-Jul-11 10:50	22-Jul-11 08:59
K1310-06	MW-1SP	Aqueous	20-Jul-11 10:35	22-Jul-11 08:59
K1310-07	MW-2SP	Aqueous	20-Jul-11 09:50	22-Jul-11 08:59
K1310-08	BLIND DUP	Aqueous	20-Jul-11 12:07	22-Jul-11 08:59
K1310-09	FIELD BLANK	Aqueous	20-Jul-11 12:30	22-Jul-11 08:59
K1310-10	RINSATE BLANK	Aqueous	20-Jul-11 12:25	22-Jul-11 08:59
K1310-11	BLIND DUPLICATE	Soil	20-Jul-11 12:05	22-Jul-11 08:59
K1310-12	OUTFALL#1-B	Soil	20-Jul-11 12:15	22-Jul-11 08:59
K1310-13	OUTFALL#1-C	Soil	20-Jul-11 12:20	22-Jul-11 08:59
K1310-14	OUTFALL#1-E	Soil	20-Jul-11 12:30	22-Jul-11 08:59
K1310-15	OUTFALL#2-A	Soil	20-Jul-11 12:35	22-Jul-11 08:59
K1310-16	OUTFALL#2-B	Soil	20-Jul-11 12:40	22-Jul-11 08:59
K1310-17	OUTFALL#2-D	Soil	20-Jul-11 12:50	22-Jul-11 08:59
K1310-18	OUTFALL#2-E	Soil	20-Jul-11 12:55	22-Jul-11 08:59
K1310-19	OUTFALL #1-A	Soil	28-Jul-11 17:20	30-Jul-11 08:37
K1310-20	OUTFALL #1-D	Soil	28-Jul-11 17:30	30-Jul-11 08:37
K1310-21	OUTFALL #2-C	Soil	28-Jul-11 17:45	30-Jul-11 08:37

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

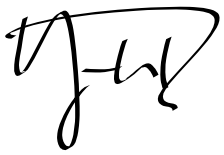
All applicable NELAC or USEPA CLP requirments have been meet.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030

Authorized by:



Yihai Ding
Laboratory Director

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : LaBella Stand By -- Ultralife Corp. **SDG :** K1310

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-01	K1310-01				SW6010_W	
MW-01	K1310-01				SW7470	
MW-02	K1310-02				SW6010_W	
MW-02	K1310-02				SW7470	
MW-03	K1310-03				SW6010_W	
MW-03	K1310-03				SW7470	
MW-04	K1310-04				SW6010_W	
MW-04	K1310-04				SW7470	
MW-05	K1310-05				SW6010_W	
MW-05	K1310-05				SW7470	
MW-1SP	K1310-06				SW6010_W	
MW-1SP	K1310-06				SW7470	
MW-2SP	K1310-07				SW6010_W	
MW-2SP	K1310-07				SW7470	
BLIND DUP	K1310-08				SW6010_W	
BLIND DUP	K1310-08				SW7470	
FIELD BLANK	K1310-09				SW6010_W	
FIELD BLANK	K1310-09				SW7470	
RINSATE BLANK	K1310-10				SW6010_W	
RINSATE BLANK	K1310-10				SW7470	
BLIND DUPLICATE	K1310-11		SW8270_S		SW6010_S	
BLIND DUPLICATE	K1310-11				SW7471	
OUTFALL#1-B	K1310-12		SW8270_S		SW6010_S	
OUTFALL#1-B	K1310-12				SW7471	
OUTFALL#1-C	K1310-13		SW8270_S		SW6010_S	
OUTFALL#1-C	K1310-13				SW7471	
OUTFALL#1-E	K1310-14		SW8270_S		SW6010_S	
OUTFALL#1-E	K1310-14				SW7471	
OUTFALL#2-A	K1310-15		SW8270_S		SW6010_S	
OUTFALL#2-A	K1310-15				SW7471	
OUTFALL#2-B	K1310-16		SW8270_S		SW6010_S	
OUTFALL#2-B	K1310-16				SW7471	
OUTFALL#2-D	K1310-17		SW8270_S		SW6010_S	
OUTFALL#2-D	K1310-17				SW7471	
OUTFALL#2-E	K1310-18		SW8270_S		SW6010_S	
OUTFALL#2-E	K1310-18				SW7471	
OUTFALL #1-A	K1310-19		SW8270_S		SW6010_S	
OUTFALL #1-A	K1310-19				SW7471	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : LaBella Stand By -- Ultralife Corp. **SDG :** K1310

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
OUTFALL #1-D	K1310-20		SW8270_S		SW6010_S	
OUTFALL #1-D	K1310-20				SW7471	
OUTFALL #2-C	K1310-21		SW8270_S		SW6010_S	
OUTFALL #2-C	K1310-21				SW7471	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : LaBella Stand By -- Ultralife Corp. **SDG :** K1310

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
K1310-11A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-11ADL	SL	7/20/2011	7/22/2011	7/28/2011	8/1/2011
K1310-12A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-12ADL	SL	7/20/2011	7/22/2011	7/28/2011	8/1/2011
K1310-13A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-13ADL	SL	7/20/2011	7/22/2011	7/28/2011	8/1/2011
K1310-14A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-14ADL	SL	7/20/2011	7/22/2011	7/28/2011	7/29/2011
K1310-15A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-15AMS	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-15AMSD	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-16A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-17A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-18A	SL	7/20/2011	7/22/2011	7/28/2011	7/28/2011
K1310-19A	SL	7/28/2011	7/30/2011	8/3/2011	8/5/2011
K1310-19ADL	SL	7/28/2011	7/30/2011	8/3/2011	8/8/2011
K1310-20A	SL	7/28/2011	7/30/2011	8/3/2011	8/5/2011
K1310-20ADL	SL	7/28/2011	7/30/2011	8/3/2011	8/8/2011
K1310-21A	SL	7/28/2011	7/30/2011	8/3/2011	8/5/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : LaBella Stand By -- Ultralife Corp. **SDG :** K1310

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
K1310-11A	SL	SW8270_S	3550B	NA	1
K1310-11ADL	SL	SW8270_S	3550B	NA	10
K1310-12A	SL	SW8270_S	3550B	NA	1
K1310-12ADL	SL	SW8270_S	3550B	NA	10
K1310-13A	SL	SW8270_S	3550B	NA	1
K1310-13ADL	SL	SW8270_S	3550B	NA	20
K1310-14A	SL	SW8270_S	3550B	NA	1
K1310-14ADL	SL	SW8270_S	3550B	NA	2
K1310-15A	SL	SW8270_S	3550B	NA	1
K1310-15AMS	SL	SW8270_S	3550B	NA	1
K1310-15AMSD	SL	SW8270_S	3550B	NA	1
K1310-16A	SL	SW8270_S	3550B	NA	1
K1310-17A	SL	SW8270_S	3550B	NA	1
K1310-18A	SL	SW8270_S	3550B	NA	1
K1310-19A	SL	SW8270_S	3550B	NA	4
K1310-19ADL	SL	SW8270_S	3550B	NA	200
K1310-20A	SL	SW8270_S	3550B	NA	1
K1310-20ADL	SL	SW8270_S	3550B	NA	20
K1310-21A	SL	SW8270_S	3550B	NA	1

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : LaBella Stand By -- Ultralife Corp. **SDG :** K1310

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
K1310-11A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-12A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-13A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-14A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-15A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-15ADUP	SL	SW6010_S	7/22/2011	7/28/2011
K1310-15AMS	SL	SW6010_S	7/22/2011	7/28/2011
K1310-16A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-17A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-18A	SL	SW6010_S	7/22/2011	7/28/2011
K1310-19A	SL	SW6010_S	7/30/2011	8/3/2011
K1310-20A	SL	SW6010_S	7/30/2011	8/3/2011
K1310-21A	SL	SW6010_S	7/30/2011	8/3/2011
SW6010_W				
K1310-01A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-02A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-03A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-04A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-05A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-05ADUP	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-05AMS	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-06A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-07A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-08A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-09A	AQ	SW6010_W	7/22/2011	7/26/2011
K1310-10A	AQ	SW6010_W	7/22/2011	7/26/2011
SW7470				
K1310-01A	AQ	SW7470	7/22/2011	7/27/2011
K1310-02A	AQ	SW7470	7/22/2011	7/27/2011
K1310-03A	AQ	SW7470	7/22/2011	7/27/2011
K1310-04A	AQ	SW7470	7/22/2011	7/27/2011
K1310-05A	AQ	SW7470	7/22/2011	7/27/2011
K1310-05ADUP	AQ	SW7470	7/22/2011	7/27/2011
K1310-05AMS	AQ	SW7470	7/22/2011	7/27/2011
K1310-06A	AQ	SW7470	7/22/2011	7/27/2011
K1310-07A	AQ	SW7470	7/22/2011	7/27/2011
K1310-08A	AQ	SW7470	7/22/2011	7/27/2011
K1310-09A	AQ	SW7470	7/22/2011	7/27/2011
K1310-10A	AQ	SW7470	7/22/2011	7/27/2011
SW7471				

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : LaBella Stand By -- Ultralife Corp. **SDG :** K1310

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
K1310-11A	SL	SW7471	7/22/2011	7/28/2011
K1310-12A	SL	SW7471	7/22/2011	7/28/2011
K1310-13A	SL	SW7471	7/22/2011	7/28/2011
K1310-14A	SL	SW7471	7/22/2011	7/28/2011
K1310-15A	SL	SW7471	7/22/2011	7/28/2011
K1310-15ADUP	SL	SW7471	7/22/2011	7/28/2011
K1310-15AMS	SL	SW7471	7/22/2011	7/28/2011
K1310-16A	SL	SW7471	7/22/2011	7/28/2011
K1310-17A	SL	SW7471	7/22/2011	7/28/2011
K1310-18A	SL	SW7471	7/22/2011	7/28/2011
K1310-19A	SL	SW7471	7/30/2011	8/4/2011
K1310-20A	SL	SW7471	7/30/2011	8/4/2011
K1310-21A	SL	SW7471	7/30/2011	8/4/2011

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K1310

Client ID: LABELLA
Project: LaBella Stand By
WO Name: LaBella Stand By
Location: LABELLA_STANDBY_CONTRACT, ULTRALIFE CORP.
Comments: no hard copy, fax data to dnoll@Labellapc.com and ipjeffers@LaBellaPC.com

Case:
SDG:
PO: 209025.01

HC Due: 08/15/11
Fax Due: 08/10/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIROINSITE_1
EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K1310-01A	MW-01	07/20/2011 13:50	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-01A	MW-01	07/20/2011 13:50	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-02A	MW-02	07/20/2011 13:40	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-02A	MW-02	07/20/2011 13:40	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-03A	MW-03	07/20/2011 08:50	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-03A	MW-03	07/20/2011 08:50	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-04A	MW-04	07/20/2011 12:05	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-04A	MW-04	07/20/2011 12:05	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-05A	MW-05	07/20/2011 10:50	07/22/2011	Aqueous	SW6010_W	/ TAL			Y	Y	M1
K1310-05A	MW-05	07/20/2011 10:50	07/22/2011	Aqueous	SW7470	/ TAL			Y		M1
K1310-06A	MW-1SP	07/20/2011 10:35	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-06A	MW-1SP	07/20/2011 10:35	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-07A	MW-2SP	07/20/2011 09:50	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-07A	MW-2SP	07/20/2011 09:50	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-08A	BLIND DUP	07/20/2011 12:07	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-08A	BLIND DUP	07/20/2011 12:07	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-09A	FIELD BLANK	07/20/2011 12:30	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-09A	FIELD BLANK	07/20/2011 12:30	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-10A	RINSATE BLANK	07/20/2011 12:25	07/22/2011	Aqueous	SW6010_W	/ TAL				Y	M1
K1310-10A	RINSATE BLANK	07/20/2011 12:25	07/22/2011	Aqueous	SW7470	/ TAL					M1
K1310-11A	BLIND DUPLICATE	07/20/2011 12:05	07/22/2011	Soil	PMoist	/					N3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K1310

Client ID: LABELLA
Project: LaBella Stand By
WO Name: LaBella Stand By
Location: LABELLA_STANDBY_CONTRACT, ULTRALIFE CORP.
Comments: no hard copy, fax data to dnoll@Labellapc.com and ipjeffers@LaBellaPC.com

Case:
SDG:
PO: 209025.01

HC Due: 08/15/11
Fax Due: 08/10/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIROINSITE_1
EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K1310-11A	BLIND DUPLICATE	07/20/2011 12:05	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-11A	BLIND DUPLICATE	07/20/2011 12:05	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-11A	BLIND DUPLICATE	07/20/2011 12:05	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3
K1310-12A	OUTFALL#1-B	07/20/2011 12:15	07/22/2011	Soil	PMoist	/					N3
K1310-12A	OUTFALL#1-B	07/20/2011 12:15	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-12A	OUTFALL#1-B	07/20/2011 12:15	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-12A	OUTFALL#1-B	07/20/2011 12:15	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3
K1310-13A	OUTFALL#1-C	07/20/2011 12:20	07/22/2011	Soil	PMoist	/					N3
K1310-13A	OUTFALL#1-C	07/20/2011 12:20	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-13A	OUTFALL#1-C	07/20/2011 12:20	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-13A	OUTFALL#1-C	07/20/2011 12:20	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3
K1310-14A	OUTFALL#1-E	07/20/2011 12:30	07/22/2011	Soil	PMoist	/					N3
K1310-14A	OUTFALL#1-E	07/20/2011 12:30	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-14A	OUTFALL#1-E	07/20/2011 12:30	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-14A	OUTFALL#1-E	07/20/2011 12:30	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3
K1310-15A	OUTFALL#2-A	07/20/2011 12:35	07/22/2011	Soil	PMoist	/					N3
K1310-15A	OUTFALL#2-A	07/20/2011 12:35	07/22/2011	Soil	SW6010_S	/ TAL			Y	Y	N3
K1310-15A	OUTFALL#2-A	07/20/2011 12:35	07/22/2011	Soil	SW7471	/ TAL			Y		N3
K1310-15A	OUTFALL#2-A	07/20/2011 12:35	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs			Y	Y	N3
K1310-16A	OUTFALL#2-B	07/20/2011 12:40	07/22/2011	Soil	PMoist	/					N3
K1310-16A	OUTFALL#2-B	07/20/2011 12:40	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-16A	OUTFALL#2-B	07/20/2011 12:40	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-16A	OUTFALL#2-B	07/20/2011 12:40	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: K1310

Client ID: LABELLA
Project: LaBella Stand By
WO Name: LaBella Stand By
Location: LABELLA_STANDBY_CONTRACT, ULTRALIFE CORP.
Comments: no hard copy, fax data to dnoll@Labellapc.com and ipjeffers@LaBellaPC.com

Case:
SDG:
PO: 209025.01

HC Due: 08/15/11
Fax Due: 08/10/11
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: ENVIROINSITE_1
EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K1310-17A	OUTFALL#2-D	07/20/2011 12:50	07/22/2011	Soil	PMoist	/					N3
K1310-17A	OUTFALL#2-D	07/20/2011 12:50	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-17A	OUTFALL#2-D	07/20/2011 12:50	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-17A	OUTFALL#2-D	07/20/2011 12:50	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3
K1310-18A	OUTFALL#2-E	07/20/2011 12:55	07/22/2011	Soil	PMoist	/					N3
K1310-18A	OUTFALL#2-E	07/20/2011 12:55	07/22/2011	Soil	SW6010_S	/ TAL				Y	N3
K1310-18A	OUTFALL#2-E	07/20/2011 12:55	07/22/2011	Soil	SW7471	/ TAL					N3
K1310-18A	OUTFALL#2-E	07/20/2011 12:55	07/22/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	N3
K1310-19A	OUTFALL #1-A	07/28/2011 17:20	07/30/2011	Soil	PMoist	/					A4
K1310-19A	OUTFALL #1-A	07/28/2011 17:20	07/30/2011	Soil	SW6010_S	/ TAL				Y	A4
K1310-19A	OUTFALL #1-A	07/28/2011 17:20	07/30/2011	Soil	SW7471	/ TAL					A4
K1310-19A	OUTFALL #1-A	07/28/2011 17:20	07/30/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	A4
K1310-20A	OUTFALL #1-D	07/28/2011 17:30	07/30/2011	Soil	PMoist	/					A4
K1310-20A	OUTFALL #1-D	07/28/2011 17:30	07/30/2011	Soil	SW6010_S	/ TAL				Y	A4
K1310-20A	OUTFALL #1-D	07/28/2011 17:30	07/30/2011	Soil	SW7471	/ TAL					A4
K1310-20A	OUTFALL #1-D	07/28/2011 17:30	07/30/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	A4
K1310-21A	OUTFALL #2-C	07/28/2011 17:45	07/30/2011	Soil	PMoist	/					A4
K1310-21A	OUTFALL #2-C	07/28/2011 17:45	07/30/2011	Soil	SW6010_S	/ TAL				Y	A4
K1310-21A	OUTFALL #2-C	07/28/2011 17:45	07/30/2011	Soil	SW7471	/ TAL					A4
K1310-21A	OUTFALL #2-C	07/28/2011 17:45	07/30/2011	Soil	SW8270_S	/ TCL+STARS+TICs				Y	A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: LaBella Stand By

Laboratory Workorder / SDG #: K1310

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI
Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

Instrument Code: S6
Instrument Type: GCMS-Semi
Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

OUTFALL #1-A (K1310-19ADL) Surrogate outside of QC limit due to dilution, recovery is below criteria for 2,4,6-Tribromophenol at 0% with criteria of (35-125), 2-Fluorobiphenyl at 0% with criteria of (45-105), 2-Fluorophenol at 0% with criteria of (35-105), Nitrobenzene-d5 at 0% with criteria of (35-100), Phenol-d5 at 0% with criteria of (40-100) and Terphenyl-d14 at 0% with criteria of (30-125).

OUTFALL #1-D (K1310-20ADL) Surrogate outside of QC limit due to dilution, recovery is above criteria for Phenol-d5 at 111% with criteria of (40-100).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-60679 in batch 60679, recovery is above criteria for 2,4-Dinitrophenol at 131% with criteria of (15-130) and 4,6-Dinitro-2-methylphenol at 138% with criteria of (30-135).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: OUTFALL#2-A (K1310-15AMS) and OUTFALL#2-A (K1310-15AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were re-analyzed at dilution:

BLIND DUPLICATE (K1310-11ADL) : Dilution Factor: 10
OUTFALL#1-B (K1310-12ADL) : Dilution Factor: 10
OUTFALL#1-C (K1310-13ADL) : Dilution Factor: 20
OUTFALL#1-E (K1310-14ADL) : Dilution Factor: 2
OUTFALL #1-A (K1310-19A) : Dilution Factor: 4
OUTFALL #1-A (K1310-19ADL) : Dilution Factor: 200
OUTFALL #1-D (K1310-20ADL) : Dilution Factor: 20

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum RI, both technically

and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:

Date: 08/15/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

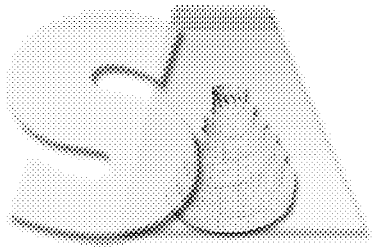
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATE

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4905.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2´-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	620	
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	320	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	2000	
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	1100	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATE

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4905.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	1900	
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	8600	E
120-12-7	Anthracene	3400	E
86-74-8	Carbazole	2300	
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	9000	E
129-00-0	Pyrene	7700	E
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3´-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	6200	E
218-01-9	Chrysene	5700	E
117-81-7	Bis(2-ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	5400	E
207-08-9	Benzo(k)fluoranthene	4000	E
50-32-8	Benzo(a)pyrene	5700	E
193-39-5	Indeno(1,2,3-cd)pyrene	3900	E
53-70-3	Dibenzo(a,h)anthracene	1600	
191-24-2	Benzo(g,h,i)perylene	4100	E

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BLIND DUPLICATE

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4905.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	8.804	2100	NJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.874	340	NJ
03	243-17-4	11H-Benzo[b]fluorene (9.8138	9.814	290	NJ
04	243-17-4	11H-Benzo[b]fluorene (9.8673	9.867	220	NJ
05	3442-78-2	Pyrene, 2-methyl-	9.899	170	NJ
06	243-46-9	Benzo[b]naphtho[2,3-d]thioph	10.321	240	NJ
07		Unknown (10.34275)	10.343	190	J
08		Unknown (10.36412)	10.364	270	J
09		Unknown (10.62588)	10.626	290	J
10	2541-69-7	Benz[a]anthracene, 7-methyl-	10.850	220	NJ
11		Unknown (10.95710)	10.957	160	J
12		Unknown (10.97312)	10.973	170	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATEDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4938.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3900	U
111-44-4	Bis(2-chloroethyl)ether	3900	U
95-57-8	2-Chlorophenol	3900	U
541-73-1	1,3-Dichlorobenzene	3900	U
106-46-7	1,4-Dichlorobenzene	3900	U
95-50-1	1,2-Dichlorobenzene	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2´-oxybis(1-Chloropropane)	3900	U
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-di-n-propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
120-82-1	1,2,4-Trichlorobenzene	3900	U
91-20-3	Naphthalene	590	DJ
106-47-8	4-Chloroaniline	3900	U
111-91-1	Bis(2-chloroethoxy)methane	3900	U
87-68-3	Hexachlorobutadiene	3900	U
59-50-7	4-Chloro-3-methylphenol	3900	U
91-57-6	2-Methylnaphthalene	3900	U
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	7900	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	7900	U
131-11-3	Dimethylphthalate	3900	U
208-96-8	Acenaphthylene	3900	U
606-20-2	2,6-Dinitrotoluene	3900	U
99-09-2	3-Nitroaniline	7900	U
83-32-9	Acenaphthene	1900	DJ
51-28-5	2,4-Dinitrophenol	7900	U
100-02-7	4-Nitrophenol	7900	U
132-64-9	Dibenzofuran	1100	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATEDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4938.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
86-73-7	Fluorene	1800	DJ
100-01-6	4-Nitroaniline	7900	U
534-52-1	4,6-Dinitro-2-methylphenol	7900	U
86-30-6	N-Nitrosodiphenylamine	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
87-86-5	Pentachlorophenol	7900	U
85-01-8	Phenanthrene	18000	D
120-12-7	Anthracene	3900	DJ
86-74-8	Carbazole	2400	DJ
84-74-2	Di-n-butylphthalate	3900	U
206-44-0	Fluoranthene	24000	D
129-00-0	Pyrene	17000	D
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3´-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)anthracene	9400	D
218-01-9	Chrysene	9500	D
117-81-7	Bis(2-ethylhexyl)phthalate	3900	U
117-84-0	Di-n-octylphthalate	3900	U
205-99-2	Benzo(b)fluoranthene	9400	D
207-08-9	Benzo(k)fluoranthene	4800	D
50-32-8	Benzo(a)pyrene	7600	D
193-39-5	Indeno(1,2,3-cd)pyrene	3800	DJ
53-70-3	Dibenzo(a,h)anthracene	1100	DJ
191-24-2	Benzo(g,h,i)perylene	4000	D

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BLIND DUPLICATEDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4938.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	2531-84-2	Phenanthrene, 2-methyl-	8.369	1600	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.439	2500	DNJ
03	84-65-1	9,10-Anthracenedione	8.599	2300	DNJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4906.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	Bis(2-chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2´-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	920	
106-47-8	4-Chloroaniline	430	U
111-91-1	Bis(2-chloroethoxy)methane	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	580	
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	2000	
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	1100	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4906.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	2000	
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	9000	E
120-12-7	Anthracene	2900	
86-74-8	Carbazole	2400	
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	10000	E
129-00-0	Pyrene	8400	E
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3´-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	7800	E
218-01-9	Chrysene	6900	E
117-81-7	Bis(2-ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	7800	E
207-08-9	Benzo(k)fluoranthene	4600	E
50-32-8	Benzo(a)pyrene	7800	E
193-39-5	Indeno(1,2,3-cd)pyrene	5800	E
53-70-3	Dibenzo(a,h)anthracene	2600	
191-24-2	Benzo(g,h,i)perylene	6000	E

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4906.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	8.804	2800	NJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.873	340	NJ
03	84-65-1	9,10-Anthracenedione	9.044	190	NJ
04	3674-73-5	Phenanthrene, 2,3,5-trimethy	9.600	190	NJ
05	2381-21-7	Pyrene, 1-methyl- (9.72807)	9.728	190	NJ
06	243-17-4	11H-Benzo[b]fluorene	9.819	410	NJ
07	2381-21-7	Pyrene, 1-methyl- (9.87765)	9.878	230	NJ
08	3442-78-2	Pyrene, 2-methyl-	9.904	230	NJ
09	84-15-1	o-Terphenyl	10.166	190	NJ
10	243-46-9	Benzo[b]naphtho[2,3-d]thioph	10.332	360	NJ
11		Unknown (10.63623)	10.636	300	J
12		Unknown (10.67363)	10.674	220	J
13		Unknown (10.72705)	10.727	190	J
14	1705-84-6	Triphenylene, 2-methyl-	10.866	390	NJ
15	2541-69-7	Benz[a]anthracene, 7-methyl-	10.893	230	NJ
16		Unknown (10.97812)	10.978	260	J
17		Unknown (11.14373)	11.144	3900	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-BDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4939.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4300	U
111-44-4	Bis(2-chloroethyl)ether	4300	U
95-57-8	2-Chlorophenol	4300	U
541-73-1	1,3-Dichlorobenzene	4300	U
106-46-7	1,4-Dichlorobenzene	4300	U
95-50-1	1,2-Dichlorobenzene	4300	U
95-48-7	2-Methylphenol	4300	U
108-60-1	2,2´-oxybis(1-Chloropropane)	4300	U
106-44-5	4-Methylphenol	4300	U
621-64-7	N-Nitroso-di-n-propylamine	4300	U
67-72-1	Hexachloroethane	4300	U
98-95-3	Nitrobenzene	4300	U
78-59-1	Isophorone	4300	U
88-75-5	2-Nitrophenol	4300	U
105-67-9	2,4-Dimethylphenol	4300	U
120-83-2	2,4-Dichlorophenol	4300	U
120-82-1	1,2,4-Trichlorobenzene	4300	U
91-20-3	Naphthalene	860	DJ
106-47-8	4-Chloroaniline	4300	U
111-91-1	Bis(2-chloroethoxy)methane	4300	U
87-68-3	Hexachlorobutadiene	4300	U
59-50-7	4-Chloro-3-methylphenol	4300	U
91-57-6	2-Methylnaphthalene	4300	U
77-47-4	Hexachlorocyclopentadiene	4300	U
88-06-2	2,4,6-Trichlorophenol	4300	U
95-95-4	2,4,5-Trichlorophenol	8800	U
91-58-7	2-Chloronaphthalene	4300	U
88-74-4	2-Nitroaniline	8800	U
131-11-3	Dimethylphthalate	4300	U
208-96-8	Acenaphthylene	4300	U
606-20-2	2,6-Dinitrotoluene	4300	U
99-09-2	3-Nitroaniline	8800	U
83-32-9	Acenaphthene	1900	DJ
51-28-5	2,4-Dinitrophenol	8800	U
100-02-7	4-Nitrophenol	8800	U
132-64-9	Dibenzofuran	1000	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-BDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4939.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	4300	U
84-66-2	Diethylphthalate	4300	U
7005-72-3	4-Chlorophenyl-phenylether	4300	U
86-73-7	Fluorene	1900	DJ
100-01-6	4-Nitroaniline	8800	U
534-52-1	4,6-Dinitro-2-methylphenol	8800	U
86-30-6	N-Nitrosodiphenylamine	4300	U
101-55-3	4-Bromophenyl-phenylether	4300	U
118-74-1	Hexachlorobenzene	4300	U
87-86-5	Pentachlorophenol	8800	U
85-01-8	Phenanthrene	17000	D
120-12-7	Anthracene	3000	DJ
86-74-8	Carbazole	2500	DJ
84-74-2	Di-n-butylphthalate	4300	U
206-44-0	Fluoranthene	24000	D
129-00-0	Pyrene	18000	D
85-68-7	Butylbenzylphthalate	4300	U
91-94-1	3,3´-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)anthracene	11000	D
218-01-9	Chrysene	13000	D
117-81-7	Bis(2-ethylhexyl)phthalate	4300	U
117-84-0	Di-n-octylphthalate	4300	U
205-99-2	Benzo(b)fluoranthene	15000	D
207-08-9	Benzo(k)fluoranthene	5900	D
50-32-8	Benzo(a)pyrene	11000	D
193-39-5	Indeno(1,2,3-cd)pyrene	5700	D
53-70-3	Dibenzo(a,h)anthracene	1800	DJ
191-24-2	Benzo(g,h,i)perylene	6100	D

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-BDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4939.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	2531-84-2	Phenanthrene, 2-methyl-	8.383	2300	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.453	3000	DNJ
03	84-65-1	9,10-Anthracenedione	8.618	3300	DNJ
04	781-43-1	9,10-Dimethylanthracene	8.816	2000	DNJ
05	243-17-4	11H-Benzo[b]fluorene	9.393	1800	DNJ
06		Unknown	11.968	2200	DJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4907.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2´-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	940	
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	3700	E
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	2600	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4907.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	3900	E
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	13000	E
120-12-7	Anthracene	5400	E
86-74-8	Carbazole	3900	E
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	12000	E
129-00-0	Pyrene	11000	E
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3´-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	8800	E
218-01-9	Chrysene	6700	E
117-81-7	Bis(2-ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	10000	E
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	8300	E
193-39-5	Indeno(1,2,3-cd)pyrene	6300	E
53-70-3	Dibenzo(a,h)anthracene	2500	
191-24-2	Benzo(g,h,i)perylene	7000	E

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4907.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	832-69-9	Phenanthrene, 1-methyl-	8.793	2400	NJ
02	610-48-0	Anthracene, 1-methyl-	8.820	3200	NJ
03	203-64-5	4H-Cyclopenta[def]phenanthre	8.890	410	NJ
04	84-65-1	9,10-Anthracenedione	9.060	160	NJ
05	238-84-6	11H-Benzo[a]fluorene	9.835	290	NJ
06	2381-21-7	Pyrene, 1-methyl-	9.889	250	NJ
07	3442-78-2	Pyrene, 2-methyl-	9.915	160	NJ
08	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.332	180	NJ
09		Unknown (10.64708)	10.647	280	J
10	2498-77-3	Benz[a]anthracene, 1-methyl-	10.866	170	NJ
11		Unknown (11.64072)	11.641	8600	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-CDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4940.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7700	U
111-44-4	Bis(2-chloroethyl)ether	7700	U
95-57-8	2-Chlorophenol	7700	U
541-73-1	1,3-Dichlorobenzene	7700	U
106-46-7	1,4-Dichlorobenzene	7700	U
95-50-1	1,2-Dichlorobenzene	7700	U
95-48-7	2-Methylphenol	7700	U
108-60-1	2,2´-oxybis(1-Chloropropane)	7700	U
106-44-5	4-Methylphenol	7700	U
621-64-7	N-Nitroso-di-n-propylamine	7700	U
67-72-1	Hexachloroethane	7700	U
98-95-3	Nitrobenzene	7700	U
78-59-1	Isophorone	7700	U
88-75-5	2-Nitrophenol	7700	U
105-67-9	2,4-Dimethylphenol	7700	U
120-83-2	2,4-Dichlorophenol	7700	U
120-82-1	1,2,4-Trichlorobenzene	7700	U
91-20-3	Naphthalene	1200	DJ
106-47-8	4-Chloroaniline	7700	U
111-91-1	Bis(2-chloroethoxy)methane	7700	U
87-68-3	Hexachlorobutadiene	7700	U
59-50-7	4-Chloro-3-methylphenol	7700	U
91-57-6	2-Methylnaphthalene	7700	U
77-47-4	Hexachlorocyclopentadiene	7700	U
88-06-2	2,4,6-Trichlorophenol	7700	U
95-95-4	2,4,5-Trichlorophenol	16000	U
91-58-7	2-Chloronaphthalene	7700	U
88-74-4	2-Nitroaniline	16000	U
131-11-3	Dimethylphthalate	7700	U
208-96-8	Acenaphthylene	7700	U
606-20-2	2,6-Dinitrotoluene	7700	U
99-09-2	3-Nitroaniline	16000	U
83-32-9	Acenaphthene	3700	DJ
51-28-5	2,4-Dinitrophenol	16000	U
100-02-7	4-Nitrophenol	16000	U
132-64-9	Dibenzofuran	2500	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-CDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4940.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	7700	U
84-66-2	Diethylphthalate	7700	U
7005-72-3	4-Chlorophenyl-phenylether	7700	U
86-73-7	Fluorene	4200	DJ
100-01-6	4-Nitroaniline	16000	U
534-52-1	4,6-Dinitro-2-methylphenol	16000	U
86-30-6	N-Nitrosodiphenylamine	7700	U
101-55-3	4-Bromophenyl-phenylether	7700	U
118-74-1	Hexachlorobenzene	7700	U
87-86-5	Pentachlorophenol	16000	U
85-01-8	Phenanthrene	36000	D
120-12-7	Anthracene	7700	D
86-74-8	Carbazole	4700	DJ
84-74-2	Di-n-butylphthalate	7700	U
206-44-0	Fluoranthene	40000	D
129-00-0	Pyrene	28000	D
85-68-7	Butylbenzylphthalate	7700	U
91-94-1	3,3´-Dichlorobenzidine	7700	U
56-55-3	Benzo(a)anthracene	14000	D
218-01-9	Chrysene	13000	D
117-81-7	Bis(2-ethylhexyl)phthalate	7700	U
117-84-0	Di-n-octylphthalate	7700	U
205-99-2	Benzo(b)fluoranthene	16000	D
207-08-9	Benzo(k)fluoranthene	5400	DJ
50-32-8	Benzo(a)pyrene	12000	D
193-39-5	Indeno(1,2,3-cd)pyrene	6000	DJ
53-70-3	Dibenzo(a,h)anthracene	1600	DJ
191-24-2	Benzo(g,h,i)perylene	6700	DJ

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-CDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4940.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	203-64-5	4H-Cyclopenta[def]phenanthre	8.442	4800	DNJ
02	84-65-1	9,10-Anthracenedione	8.603	4300	DNJ
03		Unknown	11.942	1700	DJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4908.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	Bis(2-chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2´-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	96	J
106-47-8	4-Chloroaniline	400	U
111-91-1	Bis(2-chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	61	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	810	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	810	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	810	U
83-32-9	Acenaphthene	460	
51-28-5	2,4-Dinitrophenol	810	U
100-02-7	4-Nitrophenol	810	U
132-64-9	Dibenzofuran	240	J

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4908.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	450	
100-01-6	4-Nitroaniline	810	U
534-52-1	4,6-Dinitro-2-methylphenol	810	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	3900	E
120-12-7	Anthracene	950	
86-74-8	Carbazole	690	
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	4900	E
129-00-0	Pyrene	4000	E
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3´-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	3100	
218-01-9	Chrysene	3000	
117-81-7	Bis(2-ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	4000	E
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	550	
191-24-2	Benzo(g,h,i)perylene	1600	

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4908.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (8.87877)	8.879	1000	J
02	238-84-6	11H-Benzo[a]fluorene	9.819	430	NJ
03	33543-31-6	Fluoranthene, 2-methyl-	9.878	250	NJ
04		Unknown (9.90445)	9.904	220	J
05		Unknown (9.97923)	9.979	180	J
06		Unknown (10.24100)	10.241	210	J
07	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.326	230	NJ
08		Unknown (10.37457)	10.375	210	J
09		Unknown (10.63098)	10.631	250	J
10	3351-32-4	Chrysene, 2-methyl-	10.861	200	NJ
11		Unknown (10.96753)	10.968	160	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-EDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4927.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	790	U
111-44-4	Bis(2-chloroethyl)ether	790	U
95-57-8	2-Chlorophenol	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U
95-48-7	2-Methylphenol	790	U
108-60-1	2,2´-oxybis(1-Chloropropane)	790	U
106-44-5	4-Methylphenol	790	U
621-64-7	N-Nitroso-di-n-propylamine	790	U
67-72-1	Hexachloroethane	790	U
98-95-3	Nitrobenzene	790	U
78-59-1	Isophorone	790	U
88-75-5	2-Nitrophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
120-83-2	2,4-Dichlorophenol	790	U
120-82-1	1,2,4-Trichlorobenzene	790	U
91-20-3	Naphthalene	790	U
106-47-8	4-Chloroaniline	790	U
111-91-1	Bis(2-chloroethoxy)methane	790	U
87-68-3	Hexachlorobutadiene	790	U
59-50-7	4-Chloro-3-methylphenol	790	U
91-57-6	2-Methylnaphthalene	790	U
77-47-4	Hexachlorocyclopentadiene	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	790	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	790	U
208-96-8	Acenaphthylene	790	U
606-20-2	2,6-Dinitrotoluene	790	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	440	DJ
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	240	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-EDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4927.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	790	U
84-66-2	Diethylphthalate	790	U
7005-72-3	4-Chlorophenyl-phenylether	790	U
86-73-7	Fluorene	430	DJ
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine	790	U
101-55-3	4-Bromophenyl-phenylether	790	U
118-74-1	Hexachlorobenzene	790	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	4300	D
120-12-7	Anthracene	890	D
86-74-8	Carbazole	660	DJ
84-74-2	Di-n-butylphthalate	790	U
206-44-0	Fluoranthene	6200	D
129-00-0	Pyrene	4800	D
85-68-7	Butylbenzylphthalate	790	U
91-94-1	3,3´-Dichlorobenzidine	790	U
56-55-3	Benzo(a)anthracene	3300	D
218-01-9	Chrysene	3300	D
117-81-7	Bis(2-ethylhexyl)phthalate	790	U
117-84-0	Di-n-octylphthalate	790	U
205-99-2	Benzo(b)fluoranthene	3600	D
207-08-9	Benzo(k)fluoranthene	1900	D
50-32-8	Benzo(a)pyrene	2900	D
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D
53-70-3	Dibenzo(a,h)anthracene	500	DJ
191-24-2	Benzo(g,h,i)perylene	1500	D

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-EDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4927.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	8.445	550	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.509	700	DNJ
03	84-65-1	9,10-Anthracenedione	8.674	860	DNJ
04	238-84-6	11H-Benzo[a]fluorene	9.449	430	DNJ
05		Unknown (9.94572)	9.946	340	DJ
06	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	10.240	350	DNJ
07		Unknown (10.59212)	10.592	330	DJ
08	112-84-5	13-Docosenamide, (Z)-	10.811	520	DNJ
09		Unknown (11.13700)	11.137	370	DJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4909.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2´-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	760	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	760	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	760	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	760	U
100-02-7	4-Nitrophenol	760	U
132-64-9	Dibenzofuran	380	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4909.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	760	U
534-52-1	4,6-Dinitro-2-methylphenol	760	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	89	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3´-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	140	J
117-81-7	Bis(2-ethylhexyl)phthalate	290	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	77	J
50-32-8	Benzo(a)pyrene	100	J
193-39-5	Indeno(1,2,3-cd)pyrene	63	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	78	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4909.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	13798-23-7	Sulfur	7.351	310	NJ
02	57-10-3	n-Hexadecanoic acid	8.799	240	NJ
03	112-84-5	13-Docosenamide, (Z)-	11.150	470	NJ
04		Unknown (12.16985)	12.170	470	J
05		Unknown (12.46368)	12.464	450	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-16A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3H4912.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2´-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	780	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	780	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	780	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	780	U
100-02-7	4-Nitrophenol	780	U
132-64-9	Dibenzofuran	390	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-16A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3H4912.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	780	U
534-52-1	4,6-Dinitro-2-methylphenol	780	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	430	
129-00-0	Pyrene	360	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3´-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	250	J
117-81-7	Bis(2-ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	310	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	210	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	150	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-16A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3H4912.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	8.826	230	NJ
02	112-84-5	13-Docosenamide, (Z)-	11.166	520	NJ
03		Unknown	12.197	550	J

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-17A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4913.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2´-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	770	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	770	U
100-02-7	4-Nitrophenol	770	U
132-64-9	Dibenzofuran	380	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-17A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4913.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	770	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	64	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3´-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	76	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	92	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-17A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4913.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	8.830	180	NJ
02	112-84-5	13-Docosenamide, (Z)-	11.175	600	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-18A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3H4914.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2´-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	390	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-18A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3H4914.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	92	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3´-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	180	J
117-81-7	Bis(2-ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	91	J
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	90	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	100	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-18A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3H4914.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	8.832	170	NJ
02	112-84-5	13-Docosenamide, (Z)-	11.178	560	NJ
03		Unknown	12.203	340	J
04	1000285-40-2	.beta.-iso-Methyl ionone	12.497	260	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3629.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	Bis(2-chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2´-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	6900	
106-47-8	4-Chloroaniline	1500	U
111-91-1	Bis(2-chloroethoxy)methane	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	4700	
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3100	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3100	U
83-32-9	Acenaphthene	21000	E
51-28-5	2,4-Dinitrophenol	3100	U
100-02-7	4-Nitrophenol	3100	U
132-64-9	Dibenzofuran	11000	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3629.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	19000	E
100-01-6	4-Nitroaniline	3100	U
534-52-1	4,6-Dinitro-2-methylphenol	3100	U
86-30-6	N-Nitrosodiphenylamine	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3100	U
85-01-8	Phenanthrene	130000	E
120-12-7	Anthracene	32000	E
86-74-8	Carbazole	25000	E
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	160000	E
129-00-0	Pyrene	110000	E
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3´-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	92000	E
218-01-9	Chrysene	63000	E
117-81-7	Bis(2-ethylhexyl)phthalate	1500	U
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	91000	E
207-08-9	Benzo(k)fluoranthene	28000	E
50-32-8	Benzo(a)pyrene	69000	E
193-39-5	Indeno(1,2,3-cd)pyrene	37000	E
53-70-3	Dibenzo(a,h)anthracene	10000	
191-24-2	Benzo(g,h,i)perylene	40000	E

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3629.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	268-77-9	Naphtho[2,3-b]thiophene	8.750	8100	NJ
02		Unknown	8.915	23000	J
03	779-02-2	Anthracene, 9-methyl-	9.256	9900	NJ
04	832-64-4	Phenanthrene, 4-methyl-	9.279	13000	NJ
05	203-64-5	4H-Cyclopenta[def]phenanthre	9.356	27000	NJ
06	243-17-4	11H-Benzo[b]fluorene (10.354	10.354	1100	NJ
07	243-17-4	11H-Benzo[b]fluorene (10.413	10.413	850	NJ
08	3442-78-2	Pyrene, 2-methyl-	10.443	690	NJ
09	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.901	620	NJ
10	27208-37-3	Cyclopenta[cd]pyrene	10.960	680	NJ
11	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	11.259	700	NJ
12	1705-84-6	Triphenylene, 2-methyl-	11.512	680	NJ
13	23837-35-6	o-(p-(Dimethylamino)benzylid	11.665	890	NJ
14	213-46-7	1,2:7,8-Dibenzophenanthrene	14.438	10000	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3665.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 200.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	76000	U
111-44-4	Bis(2-chloroethyl)ether	76000	U
95-57-8	2-Chlorophenol	76000	U
541-73-1	1,3-Dichlorobenzene	76000	U
106-46-7	1,4-Dichlorobenzene	76000	U
95-50-1	1,2-Dichlorobenzene	76000	U
95-48-7	2-Methylphenol	76000	U
108-60-1	2,2´-oxybis(1-Chloropropane)	76000	U
106-44-5	4-Methylphenol	76000	U
621-64-7	N-Nitroso-di-n-propylamine	76000	U
67-72-1	Hexachloroethane	76000	U
98-95-3	Nitrobenzene	76000	U
78-59-1	Isophorone	76000	U
88-75-5	2-Nitrophenol	76000	U
105-67-9	2,4-Dimethylphenol	76000	U
120-83-2	2,4-Dichlorophenol	76000	U
120-82-1	1,2,4-Trichlorobenzene	76000	U
91-20-3	Naphthalene	76000	U
106-47-8	4-Chloroaniline	76000	U
111-91-1	Bis(2-chloroethoxy)methane	76000	U
87-68-3	Hexachlorobutadiene	76000	U
59-50-7	4-Chloro-3-methylphenol	76000	U
91-57-6	2-Methylnaphthalene	76000	U
77-47-4	Hexachlorocyclopentadiene	76000	U
88-06-2	2,4,6-Trichlorophenol	76000	U
95-95-4	2,4,5-Trichlorophenol	150000	U
91-58-7	2-Chloronaphthalene	76000	U
88-74-4	2-Nitroaniline	150000	U
131-11-3	Dimethylphthalate	76000	U
208-96-8	Acenaphthylene	76000	U
606-20-2	2,6-Dinitrotoluene	76000	U
99-09-2	3-Nitroaniline	150000	U
83-32-9	Acenaphthene	23000	DJ
51-28-5	2,4-Dinitrophenol	150000	U
100-02-7	4-Nitrophenol	150000	U
132-64-9	Dibenzofuran	14000	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3665.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 200.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	76000	U
84-66-2	Diethylphthalate	76000	U
7005-72-3	4-Chlorophenyl-phenylether	76000	U
86-73-7	Fluorene	24000	DJ
100-01-6	4-Nitroaniline	150000	U
534-52-1	4,6-Dinitro-2-methylphenol	150000	U
86-30-6	N-Nitrosodiphenylamine	76000	U
101-55-3	4-Bromophenyl-phenylether	76000	U
118-74-1	Hexachlorobenzene	76000	U
87-86-5	Pentachlorophenol	150000	U
85-01-8	Phenanthrene	190000	D
120-12-7	Anthracene	39000	DJ
86-74-8	Carbazole	28000	DJ
84-74-2	Di-n-butylphthalate	76000	U
206-44-0	Fluoranthene	230000	D
129-00-0	Pyrene	180000	D
85-68-7	Butylbenzylphthalate	76000	U
91-94-1	3,3´-Dichlorobenzidine	76000	U
56-55-3	Benzo(a)anthracene	82000	D
218-01-9	Chrysene	90000	D
117-81-7	Bis(2-ethylhexyl)phthalate	76000	U
117-84-0	Di-n-octylphthalate	76000	U
205-99-2	Benzo(b)fluoranthene	110000	D
207-08-9	Benzo(k)fluoranthene	36000	DJ
50-32-8	Benzo(a)pyrene	75000	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	37000	DJ
53-70-3	Dibenzo(a,h)anthracene	8900	DJ
191-24-2	Benzo(g,h,i)perylene	40000	DJ

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3665.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 200.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	9.284	38000	DJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3630.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	Bis(2-chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2´-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	69	J
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	2300	
106-47-8	4-Chloroaniline	450	U
111-91-1	Bis(2-chloroethoxy)methane	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	1200	
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	140	J
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	3800	E
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	3000	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3630.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	4000	E
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	31000	E
120-12-7	Anthracene	6400	E
86-74-8	Carbazole	5500	E
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	33000	E
129-00-0	Pyrene	24000	E
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3´-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	14000	E
218-01-9	Chrysene	15000	E
117-81-7	Bis(2-ethylhexyl)phthalate	3200	
117-84-0	Di-n-octylphthalate	2800	
205-99-2	Benzo(b)fluoranthene	17000	E
207-08-9	Benzo(k)fluoranthene	4700	E
50-32-8	Benzo(a)pyrene	11000	E
193-39-5	Indeno(1,2,3-cd)pyrene	6000	E
53-70-3	Dibenzo(a,h)anthracene	2200	
191-24-2	Benzo(g,h,i)perylene	5700	E

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3630.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	132-65-0	Dibenzothiophene	8.750	1800	NJ
02	779-02-2	Anthracene, 9-methyl-	9.256	1900	NJ
03	610-48-0	Anthracene, 1-methyl-	9.279	2800	NJ
04	203-64-5	4H-Cyclopenta[def]phenanthre	9.356	4900	NJ
05	84-65-1	9,10-Anthracenedione	9.532	310	NJ
06	2381-21-7	Pyrene, 1-methyl- (10.24872)	10.249	190	NJ
07	243-17-4	11H-Benzo[b]fluorene	10.343	300	NJ
08	2381-21-7	Pyrene, 1-methyl- (10.40148)	10.401	190	NJ
09	2381-21-7	Pyrene, 1-methyl- (10.43085)	10.431	190	NJ
10	479-79-8	11H-Benzo[a]fluoren-11-one	10.795	210	NJ
11	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.895	350	NJ
12	217-59-4	Triphenylene	11.177	1300	NJ
13	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	11.242	210	NJ
14	2541-69-7	Benz[a]anthracene, 7-methyl-	11.494	220	NJ
15	119-07-3	1,2-Benzenedicarboxylic acid	12.429	390	NJ
16	88216-58-4	Phthalic acid, heptyl octyl	13.316	230	NJ
17	135-48-8	Pentacene	14.003	230	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-DDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3666.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9000	U
111-44-4	Bis(2-chloroethyl)ether	9000	U
95-57-8	2-Chlorophenol	9000	U
541-73-1	1,3-Dichlorobenzene	9000	U
106-46-7	1,4-Dichlorobenzene	9000	U
95-50-1	1,2-Dichlorobenzene	9000	U
95-48-7	2-Methylphenol	9000	U
108-60-1	2,2´-oxybis(1-Chloropropane)	9000	U
106-44-5	4-Methylphenol	9000	U
621-64-7	N-Nitroso-di-n-propylamine	9000	U
67-72-1	Hexachloroethane	9000	U
98-95-3	Nitrobenzene	9000	U
78-59-1	Isophorone	9000	U
88-75-5	2-Nitrophenol	9000	U
105-67-9	2,4-Dimethylphenol	9000	U
120-83-2	2,4-Dichlorophenol	9000	U
120-82-1	1,2,4-Trichlorobenzene	9000	U
91-20-3	Naphthalene	2900	DJ
106-47-8	4-Chloroaniline	9000	U
111-91-1	Bis(2-chloroethoxy)methane	9000	U
87-68-3	Hexachlorobutadiene	9000	U
59-50-7	4-Chloro-3-methylphenol	9000	U
91-57-6	2-Methylnaphthalene	1700	DJ
77-47-4	Hexachlorocyclopentadiene	9000	U
88-06-2	2,4,6-Trichlorophenol	9000	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	9000	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	9000	U
208-96-8	Acenaphthylene	9000	U
606-20-2	2,6-Dinitrotoluene	9000	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	4800	DJ
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	4000	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-DDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3666.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	9000	U
84-66-2	Diethylphthalate	9000	U
7005-72-3	4-Chlorophenyl-phenylether	9000	U
86-73-7	Fluorene	5700	DJ
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-Nitrosodiphenylamine	9000	U
101-55-3	4-Bromophenyl-phenylether	9000	U
118-74-1	Hexachlorobenzene	9000	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	49000	D
120-12-7	Anthracene	7800	DJ
86-74-8	Carbazole	7100	DJ
84-74-2	Di-n-butylphthalate	9000	U
206-44-0	Fluoranthene	55000	D
129-00-0	Pyrene	40000	D
85-68-7	Butylbenzylphthalate	9000	U
91-94-1	3,3´-Dichlorobenzidine	9000	U
56-55-3	Benzo(a)anthracene	17000	D
218-01-9	Chrysene	19000	D
117-81-7	Bis(2-ethylhexyl)phthalate	4300	DJ
117-84-0	Di-n-octylphthalate	4700	DJ
205-99-2	Benzo(b)fluoranthene	19000	D
207-08-9	Benzo(k)fluoranthene	9600	D
50-32-8	Benzo(a)pyrene	14000	D
193-39-5	Indeno(1,2,3-cd)pyrene	6800	DJ
53-70-3	Dibenzo(a,h)anthracene	1800	DJ
191-24-2	Benzo(g,h,i)perylene	7000	DJ

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-DDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3666.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	9.214	4000	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	9.284	7800	DNJ
03	84-65-1	9,10-Anthracenedione	9.454	5600	DNJ
04		Unknown	12.322	5900	DJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #2-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-21A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S6A3631.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2´-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	390	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #2-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-21A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S6A3631.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	590	
129-00-0	Pyrene	470	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3´-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	270	J
117-81-7	Bis(2-ethylhexyl)phthalate	190	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	42	J
191-24-2	Benzo(g,h,i)perylene	180	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #2-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-21A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S6A3631.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	7785-70-8	1R-.alpha.-Pinene	4.526	160	NJ
02	57-10-3	n-Hexadecanoic acid	9.273	290	NJ

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-60679

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3H4922.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2´-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-60679

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3H4922.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3´-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-60679

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3H4922.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-60762

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S6A3612.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2´-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-60762

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S6A3612.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3´-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-60762

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S6A3612.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-60679

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3H4923.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	
111-44-4	Bis(2-chloroethyl)ether	1300	
95-57-8	2-Chlorophenol	1400	
541-73-1	1,3-Dichlorobenzene	1100	
106-46-7	1,4-Dichlorobenzene	1200	
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	1400	
108-60-1	2,2´-oxybis(1-Chloropropane)	1300	
106-44-5	4-Methylphenol	1500	
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1400	
78-59-1	Isophorone	1200	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1300	
120-83-2	2,4-Dichlorophenol	1200	
120-82-1	1,2,4-Trichlorobenzene	940	
91-20-3	Naphthalene	1200	
106-47-8	4-Chloroaniline	940	
111-91-1	Bis(2-chloroethoxy)methane	1200	
87-68-3	Hexachlorobutadiene	1300	
59-50-7	4-Chloro-3-methylphenol	1400	
91-57-6	2-Methylnaphthalene	1200	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1500	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1200	
88-74-4	2-Nitroaniline	1800	
131-11-3	Dimethylphthalate	1300	
208-96-8	Acenaphthylene	1300	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	1400	
83-32-9	Acenaphthene	1300	
51-28-5	2,4-Dinitrophenol	2200	
100-02-7	4-Nitrophenol	1800	
132-64-9	Dibenzofuran	1200	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-60679

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3H4923.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1800	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1300	
86-73-7	Fluorene	1300	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	2300	
86-30-6	N-Nitrosodiphenylamine	1200	
101-55-3	4-Bromophenyl-phenylether	1400	
118-74-1	Hexachlorobenzene	1200	
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	1300	
86-74-8	Carbazole	1300	
84-74-2	Di-n-butylphthalate	1400	
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	1300	
91-94-1	3,3´-Dichlorobenzidine	1300	
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1300	
117-81-7	Bis(2-ethylhexyl)phthalate	1300	
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	1300	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	1300	
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-60762

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S6A3613.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	
111-44-4	Bis(2-chloroethyl)ether	1500	
95-57-8	2-Chlorophenol	1400	
541-73-1	1,3-Dichlorobenzene	1400	
106-46-7	1,4-Dichlorobenzene	1400	
95-50-1	1,2-Dichlorobenzene	1400	
95-48-7	2-Methylphenol	1500	
108-60-1	2,2´-oxybis(1-Chloropropane)	1700	
106-44-5	4-Methylphenol	1400	
621-64-7	N-Nitroso-di-n-propylamine	1500	
67-72-1	Hexachloroethane	1400	
98-95-3	Nitrobenzene	1600	
78-59-1	Isophorone	1600	
88-75-5	2-Nitrophenol	1600	
105-67-9	2,4-Dimethylphenol	1600	
120-83-2	2,4-Dichlorophenol	1500	
120-82-1	1,2,4-Trichlorobenzene	1500	
91-20-3	Naphthalene	1600	
106-47-8	4-Chloroaniline	490	
111-91-1	Bis(2-chloroethoxy)methane	1600	
87-68-3	Hexachlorobutadiene	1500	
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	1800	
88-06-2	2,4,6-Trichlorophenol	1400	
95-95-4	2,4,5-Trichlorophenol	1400	
91-58-7	2-Chloronaphthalene	1500	
88-74-4	2-Nitroaniline	1500	
131-11-3	Dimethylphthalate	1400	
208-96-8	Acenaphthylene	1400	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	820	
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	2100	
100-02-7	4-Nitrophenol	1400	
132-64-9	Dibenzofuran	1400	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-60762

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S6A3613.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1400	
84-66-2	Diethylphthalate	1400	
7005-72-3	4-Chlorophenyl-phenylether	1400	
86-73-7	Fluorene	1400	
100-01-6	4-Nitroaniline	1200	
534-52-1	4,6-Dinitro-2-methylphenol	1700	
86-30-6	N-Nitrosodiphenylamine	1500	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1500	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1400	
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1600	
91-94-1	3,3´-Dichlorobenzidine	650	
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1400	
117-81-7	Bis(2-ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	1400	
191-24-2	Benzo(g,h,i)perylene	1400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-AMS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15AMS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4910.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	
111-44-4	Bis(2-chloroethyl)ether	1300	
95-57-8	2-Chlorophenol	1500	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1200	
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	1600	
108-60-1	2,2´-oxybis(1-Chloropropane)	1400	
106-44-5	4-Methylphenol	1600	
621-64-7	N-Nitroso-di-n-propylamine	1400	
67-72-1	Hexachloroethane	1200	
98-95-3	Nitrobenzene	1500	
78-59-1	Isophorone	1300	
88-75-5	2-Nitrophenol	1800	
105-67-9	2,4-Dimethylphenol	1600	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1100	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	770	
111-91-1	Bis(2-chloroethoxy)methane	1400	
87-68-3	Hexachlorobutadiene	1400	
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	610	
88-06-2	2,4,6-Trichlorophenol	1600	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1400	
88-74-4	2-Nitroaniline	2200	
131-11-3	Dimethylphthalate	1400	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	1200	
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	1300	
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	1400	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-AMS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15AMS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4910.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1800	
84-66-2	Diethylphthalate	1500	
7005-72-3	4-Chlorophenyl-phenylether	1400	
86-73-7	Fluorene	1400	
100-01-6	4-Nitroaniline	1200	
534-52-1	4,6-Dinitro-2-methylphenol	1100	
86-30-6	N-Nitrosodiphenylamine	1400	
101-55-3	4-Bromophenyl-phenylether	1600	
118-74-1	Hexachlorobenzene	1200	
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1500	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	1600	
91-94-1	3,3´-Dichlorobenzidine	230	J
56-55-3	Benzo(a)anthracene	1600	
218-01-9	Chrysene	1400	
117-81-7	Bis(2-ethylhexyl)phthalate	1700	
117-84-0	Di-n-octylphthalate	1900	
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	1300	
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-AMSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15AMSD

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4911.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1700	
111-44-4	Bis(2-chloroethyl)ether	1300	
95-57-8	2-Chlorophenol	1600	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	1300	
95-48-7	2-Methylphenol	1700	
108-60-1	2,2´-oxybis(1-Chloropropane)	1500	
106-44-5	4-Methylphenol	1700	
621-64-7	N-Nitroso-di-n-propylamine	1500	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1600	
78-59-1	Isophorone	1400	
88-75-5	2-Nitrophenol	1900	
105-67-9	2,4-Dimethylphenol	1700	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1100	
91-20-3	Naphthalene	1400	
106-47-8	4-Chloroaniline	930	
111-91-1	Bis(2-chloroethoxy)methane	1500	
87-68-3	Hexachlorobutadiene	1500	
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	620	
88-06-2	2,4,6-Trichlorophenol	1700	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1500	
88-74-4	2-Nitroaniline	2300	
131-11-3	Dimethylphthalate	1400	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1800	
99-09-2	3-Nitroaniline	1400	
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	1100	
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	1400	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-AMSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15AMSD

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4911.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1800	
84-66-2	Diethylphthalate	1500	
7005-72-3	4-Chlorophenyl-phenylether	1500	
86-73-7	Fluorene	1500	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	830	
86-30-6	N-Nitrosodiphenylamine	1500	
101-55-3	4-Bromophenyl-phenylether	1600	
118-74-1	Hexachlorobenzene	1300	
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1500	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1700	
91-94-1	3,3´-Dichlorobenzidine	420	
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	1500	
117-81-7	Bis(2-ethylhexyl)phthalate	1800	
117-84-0	Di-n-octylphthalate	1900	
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	1400	
191-24-2	Benzo(g,h,i)perylene	1300	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	BLIND DUPLICATE	87	77	75	95	97	104			0
02	OUTFALL#1-B	85	76	79	96	97	105			0
03	OUTFALL#1-C	83	76	82	92	91	110			0
04	OUTFALL#1-E	85	72	77	96	98	102			0
05	OUTFALL#2-A	85	76	80	95	98	99			0
06	OUTFALL#2-AMS	83	73	75	89	91	99			0
07	OUTFALL#2-AMSD	87	76	78	94	97	101			0
08	OUTFALL#2-B	89	78	85	99	101	104			0
09	OUTFALL#2-D	88	79	83	94	96	108			0
10	OUTFALL#2-E	84	78	83	93	95	103			0
11	MB-60679	83	70	76	94	96	104			0
12	LCS-60679	86	74	76	95	98	109			0
13	OUTFALL#1-EDL	80	71	76	90	92	105			0
14	BLIND DUPLICATEDL	82	74	72	83	84	96			0
15	OUTFALL#1-BDL	82	73	74	84	82	96			0
16	OUTFALL#1-CDL	76	72	73	74	74	95			0
17	MB-60762	93	83	94	94	94	91			0
18	LCS-60762	98	87	96	96	97	100			0
19	OUTFALL #1-A	83	91	87	89	83	55			0
20	OUTFALL #1-D	80	77	69	77	79	74			0
21	OUTFALL #2-C	83	83	74	82	84	80			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som11.07.01.A

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
22	OUTFALL #1-ADL	0 D	0 D	0 D	0 D	0 D	0 D			6
23	OUTFALL #1-DDL	92	88	96	111 D	100	76			1

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som11.07.01.A

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix Spike - EPA Sample No.: OUTFALL#2-A

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	1900.1830	0.0000	1618.5834	85		40-100
Bis(2-chloroethyl)ether	1900.1830	0.0000	1342.1994	71		40-105
2-Chlorophenol	1900.1830	0.0000	1541.2657	81		45-105
1,3-Dichlorobenzene	1900.1830	0.0000	1171.1868	62		40-100
1,4-Dichlorobenzene	1900.1830	0.0000	1210.2549	64		35-105
1,2-Dichlorobenzene	1900.1830	0.0000	1213.4764	64		45-95
2-Methylphenol	1900.1830	0.0000	1577.0022	83		40-105
2,2´-oxybis(1-Chloropropan	1900.1830	0.0000	1378.6105	73		20-115
4-Methylphenol	1900.1830	0.0000	1597.0293	84		40-105
N-Nitroso-di-n-propylamine	1900.1830	0.0000	1397.6496	74		40-115
Hexachloroethane	1900.1830	0.0000	1233.1627	65		35-110
Nitrobenzene	1900.1830	0.0000	1490.5298	78		40-115
Isophorone	1900.1830	0.0000	1314.9952	69		45-110
2-Nitrophenol	1900.1830	0.0000	1823.1354	96		40-110
2,4-Dimethylphenol	1900.1830	0.0000	1605.3786	84		30-105
2,4-Dichlorophenol	1900.1830	0.0000	1369.3045	72		45-110
1,2,4-Trichlorobenzene	1900.1830	0.0000	1052.0898	55		45-110
Naphthalene	1900.1830	0.0000	1314.3262	69		40-105
4-Chloroaniline	1900.1830	0.0000	766.5001	40		10-100
Bis(2-chloroethoxy)methane	1900.1830	0.0000	1390.5017	73		45-110
Hexachlorobutadiene	1900.1830	0.0000	1373.1491	72		40-115
4-Chloro-3-methylphenol	1900.1830	0.0000	1504.7790	79		45-115
2-Methylnaphthalene	1900.1830	0.0000	1287.1402	68		45-105
Hexachlorocyclopentadiene	1900.1830	0.0000	612.7054	32		8-148
2,4,6-Trichlorophenol	1900.1830	0.0000	1633.5719	86		45-110
2,4,5-Trichlorophenol	1900.1830	0.0000	1628.9583	86		50-110
2-Chloronaphthalene	1900.1830	0.0000	1401.7430	74		45-105
2-Nitroaniline	1900.1830	0.0000	2172.9379	114		45-120
Dimethylphthalate	1900.1830	0.0000	1375.2130	72		50-110
Acenaphthylene	1900.1830	0.0000	1457.8725	77		45-105
2,6-Dinitrotoluene	1900.1830	0.0000	1716.5972	90		50-110
3-Nitroaniline	1900.1830	0.0000	1242.9205	65		25-110
Acenaphthene	1900.1830	0.0000	1418.0455	75		45-110
2,4-Dinitrophenol	1900.1830	0.0000	1330.8776	70		15-130
4-Nitrophenol	1900.1830	0.0000	1925.1567	101		15-140
Dibenzofuran	1900.1830	0.0000	1383.1944	73		50-105
2,4-Dinitrotoluene	1900.1830	0.0000	1775.2450	93		50-115
Diethylphthalate	1900.1830	0.0000	1465.5459	77		50-115
4-Chlorophenyl-phenylether	1900.1830	0.0000	1441.3039	76		45-110
Fluorene	1900.1830	0.0000	1383.7674	73		50-110
4-Nitroaniline	1900.1830	0.0000	1193.3620	63		35-115
4,6-Dinitro-2-methylphenol	1900.1830	0.0000	1103.6311	58		30-135
N-Nitrosodiphenylamine	1900.1830	0.0000	1431.3010	75		50-115
4-Bromophenyl-phenylether	1900.1830	0.0000	1556.0237	82		45-115

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix Spike - EPA Sample No.: OUTFALL#2-A

Hexachlorobenzene	1900.1830	0.0000	1226.0896	65		45-120
Pentachlorophenol	1900.1830	0.0000	1509.2007	79		25-120
Phenanthrene	1900.1830	89.2407	1459.9314	72		50-110
Anthracene	1900.1830	0.0000	1453.8411	77		55-105
Carbazole	1900.1830	0.0000	1397.9450	74		45-115
Di-n-butylphthalate	1900.1830	0.0000	1620.3227	85		55-110
Fluoranthene	1900.1830	284.2373	1633.7755	71		55-115
Pyrene	1900.1830	220.5708	1502.9891	67		45-125
Butylbenzylphthalate	1900.1830	0.0000	1625.0889	86		50-125
3,3´-Dichlorobenzidine	1900.1830	0.0000	226.6657	12		10-130
Benzo(a)anthracene	1900.1830	104.6026	1644.3974	81		50-110
Chrysene	1900.1830	135.4111	1446.1038	69		55-110
Bis(2-ethylhexyl)phthalate	1900.1830	292.2114	1718.7921	75		45-125
Di-n-octylphthalate	1900.1830	0.0000	1877.2079	99		40-130
Benzo(b)fluoranthene	1900.1830	158.7540	1708.1880	82		45-115
Benzo(k)fluoranthene	1900.1830	77.4105	1367.0348	68		45-125
Benzo(a)pyrene	1900.1830	99.6824	1472.4390	72		50-110
Indeno(1,2,3-cd)pyrene	1900.1830	62.8567	1328.2965	67		40-120
Dibenzo(a,h)anthracene	1900.1830	0.0000	1335.4875	70		40-125
Benzo(g,h,i)perylene	1900.1830	78.4822	1230.2791	61		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	1919.1217	1710.0551	89		5		0-40	40-100
Bis(2-chloroethyl)ether	1919.1217	1301.8720	68		4		0-40	40-105
2-Chlorophenol	1919.1217	1622.0405	85		4		0-40	45-105
1,3-Dichlorobenzene	1919.1217	1264.7350	66		7		0-40	40-100
1,4-Dichlorobenzene	1919.1217	1295.7100	68		6		0-40	35-105
1,2-Dichlorobenzene	1919.1217	1316.8440	69		7		0-40	45-95
2-Methylphenol	1919.1217	1669.2509	87		5		0-40	40-105
2,2´-oxybis(1-Chloropropan	1919.1217	1479.4162	77		6		0-40	20-115
4-Methylphenol	1919.1217	1673.9212	87		4		0-40	40-105
N-Nitroso-di-n-propylamine	1919.1217	1467.8378	76		4		0-40	40-115
Hexachloroethane	1919.1217	1295.4009	67		4		0-40	35-110
Nitrobenzene	1919.1217	1605.6530	84		6		0-40	40-115
Isophorone	1919.1217	1392.7933	73		5		0-40	45-110
2-Nitrophenol	1919.1217	1910.4300	100		4		0-40	40-110
2,4-Dimethylphenol	1919.1217	1683.0415	88		4		0-40	30-105
2,4-Dichlorophenol	1919.1217	1406.1507	73		2		0-40	45-110
1,2,4-Trichlorobenzene	1919.1217	1116.5199	58		5		0-40	45-110
Naphthalene	1919.1217	1384.5842	72		4		0-40	40-105
4-Chloroaniline	1919.1217	926.4663	48		18		0-40	10-100
Bis(2-chloroethoxy)methane	1919.1217	1462.4376	76		4		0-40	45-110
Hexachlorobutadiene	1919.1217	1461.0877	76		5		0-40	40-115
4-Chloro-3-methylphenol	1919.1217	1545.1675	81		2		0-40	45-115
2-Methylnaphthalene	1919.1217	1342.8203	70		3		0-40	45-105

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix Spike - EPA Sample No.: OUTFALL#2-A

Hexachlorocyclopentadiene	1919.1217	615.8278	32		0		0-40	8-148
2,4,6-Trichlorophenol	1919.1217	1707.1203	89		3		0-40	45-110
2,4,5-Trichlorophenol	1919.1217	1680.4828	88		2		0-40	50-110
2-Chloronaphthalene	1919.1217	1475.3930	77		4		0-40	45-105
2-Nitroaniline	1919.1217	2257.5021	118		3		0-40	45-120
Dimethylphthalate	1919.1217	1423.3015	74		2		0-40	50-110
Acenaphthylene	1919.1217	1526.4735	80		4		0-40	45-105
2,6-Dinitrotoluene	1919.1217	1752.3331	91		1		0-40	50-110
3-Nitroaniline	1919.1217	1447.4292	75		14		0-40	25-110
Acenaphthene	1919.1217	1473.5756	77		3		0-40	45-110
2,4-Dinitrophenol	1919.1217	1084.6595	57		21		0-40	15-130
4-Nitrophenol	1919.1217	1857.5900	97		5		0-40	15-140
Dibenzofuran	1919.1217	1440.3404	75		3		0-40	50-105
2,4-Dinitrotoluene	1919.1217	1808.1939	94		1		0-40	50-115
Diethylphthalate	1919.1217	1536.7296	80		4		0-40	50-115
4-Chlorophenyl-phenylether	1919.1217	1495.9626	78		3		0-40	45-110
Fluorene	1919.1217	1456.6461	76		4		0-40	50-110
4-Nitroaniline	1919.1217	1468.2969	77		20		0-40	35-115
4,6-Dinitro-2-methylphenol	1919.1217	828.1958	43		29		0-40	30-135
N-Nitrosodiphenylamine	1919.1217	1471.7812	77		2		0-40	50-115
4-Bromophenyl-phenylether	1919.1217	1589.7662	83		1		0-40	45-115
Hexachlorobenzene	1919.1217	1281.4631	67		3		0-40	45-120
Pentachlorophenol	1919.1217	1553.4968	81		2		0-40	25-120
Phenanthrene	1919.1217	1499.4243	73		2		0-40	50-110
Anthracene	1919.1217	1506.5065	78		3		0-40	55-105
Carbazole	1919.1217	1440.0251	75		2		0-40	45-115
Di-n-butylphthalate	1919.1217	1639.3440	85		0		0-40	55-110
Fluoranthene	1919.1217	1649.6809	71		0		0-40	55-115
Pyrene	1919.1217	1553.9226	69		3		0-40	45-125
Butylbenzylphthalate	1919.1217	1664.3022	87		1		0-40	50-125
3,3´-Dichlorobenzidine	1919.1217	424.4741	22		60	*	0-40	10-130
Benzo(a)anthracene	1919.1217	1667.4094	81		0		0-40	50-110
Chrysene	1919.1217	1504.6253	71		3		0-40	55-110
Bis(2-ethylhexyl)phthalate	1919.1217	1795.5365	78		4		0-40	45-125
Di-n-octylphthalate	1919.1217	1896.8625	99		0		0-40	40-130
Benzo(b)fluoranthene	1919.1217	1767.2463	84		3		0-40	45-115
Benzo(k)fluoranthene	1919.1217	1416.9922	70		3		0-40	45-125
Benzo(a)pyrene	1919.1217	1523.8701	74		3		0-40	50-110
Indeno(1,2,3-cd)pyrene	1919.1217	1380.7205	69		3		0-40	40-120
Dibenzo(a,h)anthracene	1919.1217	1389.5282	72		3		0-40	40-125
Benzo(g,h,i)perylene	1919.1217	1259.0922	62		1		0-40	40-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 64 outside limits

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix Spike - EPA Sample No.: OUTFALL#2-A

Spike Recovery: 0 out of 128 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Lab Sample ID: LCS-60679 LCS Lot No.: A081157

Date Extracted: 07/28/2011 Date Analyzed (1): 07/29/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	1667.0000	0.0000	1503.8441	90		40 - 100
Bis(2-chloroethyl)ether	1667.0000	0.0000	1300.1726	78		40 - 105
2-Chlorophenol	1667.0000	0.0000	1426.9917	86		45 - 105
1,3-Dichlorobenzene	1667.0000	0.0000	1134.8581	68		40 - 100
1,4-Dichlorobenzene	1667.0000	0.0000	1153.4029	69		35 - 105
1,2-Dichlorobenzene	1667.0000	0.0000	1174.1635	70		45 - 95
2-Methylphenol	1667.0000	0.0000	1443.9269	87		40 - 105
2,2´-oxybis(1-Chloropropan	1667.0000	0.0000	1262.8443	76		20 - 115
4-Methylphenol	1667.0000	0.0000	1490.5466	89		40 - 105
N-Nitroso-di-n-propylamine	1667.0000	0.0000	1333.9704	80		40 - 115
Hexachloroethane	1667.0000	0.0000	1268.8426	76		35 - 110
Nitrobenzene	1667.0000	0.0000	1364.0477	82		40 - 115
Isophorone	1667.0000	0.0000	1214.7463	73		45 - 110
2-Nitrophenol	1667.0000	0.0000	1668.0831	100		40 - 110
2,4-Dimethylphenol	1667.0000	0.0000	1338.0449	80		30 - 105
2,4-Dichlorophenol	1667.0000	0.0000	1227.9565	74		45 - 110
1,2,4-Trichlorobenzene	1667.0000	0.0000	941.9516	57		45 - 110
Naphthalene	1667.0000	0.0000	1172.3949	70		40 - 105
4-Chloroaniline	1667.0000	0.0000	941.1286	56		10 - 100
Bis(2-chloroethoxy)methane	1667.0000	0.0000	1248.2531	75		45 - 110
Hexachlorobutadiene	1667.0000	0.0000	1264.9199	76		40 - 115
4-Chloro-3-methylphenol	1667.0000	0.0000	1383.2519	83		45 - 115
2-Methylnaphthalene	1667.0000	0.0000	1175.6741	71		45 - 105
Hexachlorocyclopentadiene	1667.0000	0.0000	1420.2067	85		8 - 148
2,4,6-Trichlorophenol	1667.0000	0.0000	1451.1443	87		45 - 110
2,4,5-Trichlorophenol	1667.0000	0.0000	1481.7352	89		50 - 110
2-Chloronaphthalene	1667.0000	0.0000	1186.5877	71		45 - 105
2-Nitroaniline	1667.0000	0.0000	1843.7330	111		45 - 120
Dimethylphthalate	1667.0000	0.0000	1276.3311	77		50 - 110
Acenaphthylene	1667.0000	0.0000	1279.4562	77		45 - 105
2,6-Dinitrotoluene	1667.0000	0.0000	1550.2067	93		50 - 110
3-Nitroaniline	1667.0000	0.0000	1368.5953	82		25 - 110
Acenaphthene	1667.0000	0.0000	1259.1077	76		45 - 110
2,4-Dinitrophenol	1667.0000	0.0000	2183.7287	131	*	15 - 130
4-Nitrophenol	1667.0000	0.0000	1832.2641	110		15 - 140
Dibenzofuran	1667.0000	0.0000	1247.4013	75		50 - 105
2,4-Dinitrotoluene	1667.0000	0.0000	1753.3512	105		50 - 115
Diethylphthalate	1667.0000	0.0000	1582.3724	95		50 - 115
4-Chlorophenyl-phenylether	1667.0000	0.0000	1341.3958	80		45 - 110
Fluorene	1667.0000	0.0000	1292.1488	78		50 - 110
4-Nitroaniline	1667.0000	0.0000	1548.3802	93		35 - 115
4,6-Dinitro-2-methylphenol	1667.0000	0.0000	2299.6463	138	*	30 - 135
N-Nitrosodiphenylamine	1667.0000	0.0000	1198.5607	72		50 - 115
4-Bromophenyl-phenylether	1667.0000	0.0000	1361.4326	82		45 - 115

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Lab Sample ID: LCS-60679 LCS Lot No.: A081157

Date Extracted: 07/28/2011 Date Analyzed (1): 07/29/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Hexachlorobenzene	1667.0000	0.0000	1194.2334	72		45 - 120
Pentachlorophenol	1667.0000	0.0000	1554.6697	93		25 - 120
Phenanthrene	1667.0000	0.0000	1247.6264	75		50 - 110
Anthracene	1667.0000	0.0000	1265.8779	76		55 - 105
Carbazole	1667.0000	0.0000	1283.0118	77		45 - 115
Di-n-butylphthalate	1667.0000	0.0000	1441.4318	86		55 - 110
Fluoranthene	1667.0000	0.0000	1396.1497	84		55 - 115
Pyrene	1667.0000	0.0000	1222.3151	73		45 - 125
Butylbenzylphthalate	1667.0000	0.0000	1345.0772	81		50 - 125
3,3´-Dichlorobenzidine	1667.0000	0.0000	1280.0234	77		10 - 130
Benzo(a)anthracene	1667.0000	0.0000	1408.0158	84		50 - 110
Chrysene	1667.0000	0.0000	1299.4170	78		55 - 110
Bis(2-ethylhexyl)phthalate	1667.0000	0.0000	1319.6151	79		45 - 125
Di-n-octylphthalate	1667.0000	0.0000	1547.0354	93		40 - 130
Benzo(b)fluoranthene	1667.0000	0.0000	1357.5671	81		45 - 115
Benzo(k)fluoranthene	1667.0000	0.0000	1260.2322	76		45 - 125
Benzo(a)pyrene	1667.0000	0.0000	1311.3848	79		50 - 110
Indeno(1,2,3-cd)pyrene	1667.0000	0.0000	1294.1022	78		40 - 120
Dibenzo(a,h)anthracene	1667.0000	0.0000	1294.7921	78		40 - 125
Benzo(g,h,i)perylene	1667.0000	0.0000	1203.7256	72		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 64 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Lab Sample ID: LCS-60762 LCS Lot No.: A081157

Date Extracted: 08/03/2011 Date Analyzed (1): 08/05/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	1667.0000	0.0000	1612.3181	97		40 - 100
Bis(2-chloroethyl)ether	1667.0000	0.0000	1484.0249	89		40 - 105
2-Chlorophenol	1667.0000	0.0000	1441.1487	86		45 - 105
1,3-Dichlorobenzene	1667.0000	0.0000	1371.5763	82		40 - 100
1,4-Dichlorobenzene	1667.0000	0.0000	1377.2759	83		35 - 105
1,2-Dichlorobenzene	1667.0000	0.0000	1390.7535	83		45 - 95
2-Methylphenol	1667.0000	0.0000	1458.9560	88		40 - 105
2,2´-oxybis(1-Chloropropan	1667.0000	0.0000	1714.5247	103		20 - 115
4-Methylphenol	1667.0000	0.0000	1435.1293	86		40 - 105
N-Nitroso-di-n-propylamine	1667.0000	0.0000	1484.2912	89		40 - 115
Hexachloroethane	1667.0000	0.0000	1413.7167	85		35 - 110
Nitrobenzene	1667.0000	0.0000	1646.1528	99		40 - 115
Isophorone	1667.0000	0.0000	1625.2948	97		45 - 110
2-Nitrophenol	1667.0000	0.0000	1594.9367	96		40 - 110
2,4-Dimethylphenol	1667.0000	0.0000	1612.0650	97		30 - 105
2,4-Dichlorophenol	1667.0000	0.0000	1510.1639	91		45 - 110
1,2,4-Trichlorobenzene	1667.0000	0.0000	1475.4118	89		45 - 110
Naphthalene	1667.0000	0.0000	1554.3163	93		40 - 105
4-Chloroaniline	1667.0000	0.0000	486.7479	29		10 - 100
Bis(2-chloroethoxy)methane	1667.0000	0.0000	1598.2383	96		45 - 110
Hexachlorobutadiene	1667.0000	0.0000	1523.2558	91		40 - 115
4-Chloro-3-methylphenol	1667.0000	0.0000	1514.6038	91		45 - 115
2-Methylnaphthalene	1667.0000	0.0000	1535.6313	92		45 - 105
Hexachlorocyclopentadiene	1667.0000	0.0000	1795.2411	108		8 - 148
2,4,6-Trichlorophenol	1667.0000	0.0000	1421.9636	85		45 - 110
2,4,5-Trichlorophenol	1667.0000	0.0000	1413.5464	85		50 - 110
2-Chloronaphthalene	1667.0000	0.0000	1470.8585	88		45 - 105
2-Nitroaniline	1667.0000	0.0000	1464.1724	88		45 - 120
Dimethylphthalate	1667.0000	0.0000	1396.8418	84		50 - 110
Acenaphthylene	1667.0000	0.0000	1427.1219	86		45 - 105
2,6-Dinitrotoluene	1667.0000	0.0000	1453.4249	87		50 - 110
3-Nitroaniline	1667.0000	0.0000	817.3964	49		25 - 110
Acenaphthene	1667.0000	0.0000	1417.6442	85		45 - 110
2,4-Dinitrophenol	1667.0000	0.0000	2104.6395	126		15 - 130
4-Nitrophenol	1667.0000	0.0000	1352.3248	81		15 - 140
Dibenzofuran	1667.0000	0.0000	1402.7544	84		50 - 105
2,4-Dinitrotoluene	1667.0000	0.0000	1440.6026	86		50 - 115
Diethylphthalate	1667.0000	0.0000	1392.1649	84		50 - 115
4-Chlorophenyl-phenylether	1667.0000	0.0000	1413.6459	85		45 - 110
Fluorene	1667.0000	0.0000	1407.1817	84		50 - 110
4-Nitroaniline	1667.0000	0.0000	1246.1164	75		35 - 115
4,6-Dinitro-2-methylphenol	1667.0000	0.0000	1737.6766	104		30 - 135
N-Nitrosodiphenylamine	1667.0000	0.0000	1482.2747	89		50 - 115
4-Bromophenyl-phenylether	1667.0000	0.0000	1529.8499	92		45 - 115

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Lab Sample ID: LCS-60762 LCS Lot No.: A081157

Date Extracted: 08/03/2011 Date Analyzed (1): 08/05/2011

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Hexachlorobenzene	1667.0000	0.0000	1512.4215	91		45 - 120
Pentachlorophenol	1667.0000	0.0000	1400.4630	84		25 - 120
Phenanthrene	1667.0000	0.0000	1464.9955	88		50 - 110
Anthracene	1667.0000	0.0000	1475.2627	88		55 - 105
Carbazole	1667.0000	0.0000	1412.9303	85		45 - 115
Di-n-butylphthalate	1667.0000	0.0000	1424.4272	85		55 - 110
Fluoranthene	1667.0000	0.0000	1403.9357	84		55 - 115
Pyrene	1667.0000	0.0000	1625.7759	98		45 - 125
Butylbenzylphthalate	1667.0000	0.0000	1626.9822	98		50 - 125
3,3´-Dichlorobenzidine	1667.0000	0.0000	654.7619	39		10 - 130
Benzo(a)anthracene	1667.0000	0.0000	1504.2228	90		50 - 110
Chrysene	1667.0000	0.0000	1449.4648	87		55 - 110
Bis(2-ethylhexyl)phthalate	1667.0000	0.0000	1516.6725	91		45 - 125
Di-n-octylphthalate	1667.0000	0.0000	1757.9336	105		40 - 130
Benzo(b)fluoranthene	1667.0000	0.0000	1567.4420	94		45 - 115
Benzo(k)fluoranthene	1667.0000	0.0000	1593.1693	96		45 - 125
Benzo(a)pyrene	1667.0000	0.0000	1557.3250	93		50 - 110
Indeno(1,2,3-cd)pyrene	1667.0000	0.0000	1431.3996	86		40 - 120
Dibenzo(a,h)anthracene	1667.0000	0.0000	1423.7579	85		40 - 125
Benzo(g,h,i)perylene	1667.0000	0.0000	1388.4992	83		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 64 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-60679

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Lab File ID: S3H4922.D Lab Sample ID: MB-60679

Instrument ID: S3 Date Extracted: 07/28/2011

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/29/2011

Level: (LOW/MED) LOW Time Analyzed: 16:34

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	BLIND DUPLICATE	K1310-11A	S3H4905.D	07/28/2011
02	OUTFALL#1-B	K1310-12A	S3H4906.D	07/28/2011
03	OUTFALL#1-C	K1310-13A	S3H4907.D	07/28/2011
04	OUTFALL#1-E	K1310-14A	S3H4908.D	07/28/2011
05	OUTFALL#2-A	K1310-15A	S3H4909.D	07/28/2011
06	OUTFALL#2-AMS	K1310-15AMS	S3H4910.D	07/28/2011
07	OUTFALL#2-AMSD	K1310-15AMSD	S3H4911.D	07/28/2011
08	OUTFALL#2-B	K1310-16A	S3H4912.D	07/28/2011
09	OUTFALL#2-D	K1310-17A	S3H4913.D	07/28/2011
10	OUTFALL#2-E	K1310-18A	S3H4914.D	07/28/2011
11	LCS-60679	LCS-60679	S3H4923.D	07/29/2011
12	OUTFALL#1-EDL	K1310-14ADL	S3H4927.D	07/29/2011
13	BLIND DUPLICATEDL	K1310-11ADL	S3H4938.D	08/01/2011
14	OUTFALL#1-BDL	K1310-12ADL	S3H4939.D	08/01/2011
15	OUTFALL#1-CDL	K1310-13ADL	S3H4940.D	08/01/2011

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-60762

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Lab File ID: S6A3612.D Lab Sample ID: MB-60762

Instrument ID: S6 Date Extracted: 08/03/2011

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 08/05/2011

Level: (LOW/MED) LOW Time Analyzed: 10:56

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-60762	LCS-60762	S6A3613.D	08/05/2011
02	OUTFALL #1-A	K1310-19A	S6A3629.D	08/05/2011
03	OUTFALL #1-D	K1310-20A	S6A3630.D	08/05/2011
04	OUTFALL #2-C	K1310-21A	S6A3631.D	08/05/2011
05	OUTFALL #1-ADL	K1310-19ADL	S6A3665.D	08/08/2011
06	OUTFALL #1-DDL	K1310-20ADL	S6A3666.D	08/08/2011

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/18/2011 07/18/2011

EPA Sample No.(SSTD020##) SSTD0253D Date Analyzed: 07/29/2011

Lab File ID (Standard): S3H4921E.D Time Analyzed: 16:11

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	135080		3.918		577996		5.216		420075		6.792	
	UPPER LIMIT	270160		4.418		1155992		5.716		840150		7.292	
	LOWER LIMIT	67540		3.418		288998		4.716		210038		6.292	
	SAMPLE NO.												
01	MB-60679	146818		3.920		638574		5.219		476695		6.789	
02	LCS-60679	152369		3.917		658288		5.215		475662		6.786	
03	OUTFALL#1-EDL	151808		3.920		657451		5.213		460167		6.783	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

EPA Sample No.(SSTD020##) SSTD0253D Date Analyzed: 07/29/2011

Lab File ID (Standard): S3H4921E.D Time Analyzed: 16:11

Instrument ID: S3 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	917816		8.02		1369765		10.168		1377397		11.295	
	UPPER LIMIT	1835632		8.52		2739530		10.668		2754794		11.795	
	LOWER LIMIT	458908		7.52		684883		9.668		688699		10.795	
	SAMPLE NO.												
01	MB-60679	1077397		8.012		1596586		10.165		1724961		11.293	
02	LCS-60679	1045221		8.009		1581169		10.162		1648039		11.279	
03	OUTFALL#1-EDL	966640		8.012		1416857		10.159		1512751		11.276	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/18/2011 07/18/2011

EPA Sample No.(SSTD020##) SSTD0253C Date Analyzed: 07/28/2011

Lab File ID (Standard): S3H4901.D Time Analyzed: 14:40

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	243990		4.28		966115		5.54		637399		7.084	
	UPPER LIMIT	487980		4.78		1932230		6.04		1274798		7.584	
	LOWER LIMIT	121995		3.78		483058		5.04		318700		6.584	
	SAMPLE NO.												
01	BLIND DUPLICATE	252905		4.317		1033073		5.578		697450		7.137	
02	OUTFALL#1-B	230278		4.316		983694		5.577		669416		7.137	
03	OUTFALL#1-C	228422		4.317		953165		5.577		651055		7.137	
04	OUTFALL#1-E	221038		4.317		920169		5.577		623804		7.137	
05	OUTFALL#2-A	247953		4.317		1029233		5.578		677909		7.132	
06	OUTFALL#2-AMS	255952		4.319		1040872		5.580		689055		7.140	
07	OUTFALL#2-AMSD	247908		4.321		1013175		5.582		668539		7.147	
08	OUTFALL#2-B	228853		4.323		953698		5.583		633246		7.143	
09	OUTFALL#2-D	231521		4.327		934689		5.588		612730		7.147	
10	OUTFALL#2-E	213603		4.324		876588		5.584		574863		7.150	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

EPA Sample No.(SSTD020##) SSTD0253C Date Analyzed: 07/28/2011

Lab File ID (Standard): S3H4901.D Time Analyzed: 14:40

Instrument ID: S3 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1250870		8.318		1808244		10.535		1775041		11.737	
	UPPER LIMIT	2501740		8.818		3616488		11.035		3550082		12.237	
	LOWER LIMIT	625435		7.818		904122		10.035		887521		11.237	
	SAMPLE NO.												
01	BLIND DUPLICATE	1405808		8.371		2064459		10.546		2052116		11.710	
02	OUTFALL#1-B	1377170		8.371		1992436		10.556		1966910		11.731	
03	OUTFALL#1-C	1345294		8.393		1846923		10.562		1828429		11.732	
04	OUTFALL#1-E	1255477		8.377		1822637		10.546		1806159		11.715	
05	OUTFALL#2-A	1330263		8.356		1845403		10.514		1840246		11.684	
06	OUTFALL#2-AMS	1362036		8.369		1904070		10.537		1883599		11.707	
07	OUTFALL#2-AMSD	1324598		8.376		1804646		10.540		1790504		11.704	
08	OUTFALL#2-B	1262682		8.383		1681645		10.541		1774929		11.711	
09	OUTFALL#2-D	1224388		8.381		1675979		10.545		1724686		11.715	
10	OUTFALL#2-E	1166126		8.384		1567218		10.547		1570658		11.717	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/18/2011 07/18/2011

EPA Sample No.(SSTD020##) SSTD0253E Date Analyzed: 08/01/2011

Lab File ID (Standard): S3H4931.D Time Analyzed: 10:46

Instrument ID: S3

		IS1 (DCB)			IS2 (NPT)			IS3 (ANT)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	135349		3.853		557577		5.156		386349		6.727	
	UPPER LIMIT	270698		4.353		1115154		5.656		772698		7.227	
	LOWER LIMIT	67675		3.353		278789		4.656		193175		6.227	
	SAMPLE NO.												
01	BLIND DUPLICATEDL	149045		3.850		594670		5.153		404269		6.719	
02	OUTFALL#1-BDL	144003		3.853		595996		5.151		406621		6.722	
03	OUTFALL#1-CDL	144792		3.854		591425		5.152		397960		6.722	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

EPA Sample No.(SSTD020##) SSTD0253E Date Analyzed: 08/01/2011

Lab File ID (Standard): S3H4931.D Time Analyzed: 10:46

Instrument ID: S3 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	818889		7.961		1187141		10.13		1193479		11.262	
	UPPER LIMIT	1637778		8.461		2374282		10.63		2386958		11.762	
	LOWER LIMIT	409445		7.461		593571		9.63		596740		10.762	
	SAMPLE NO.												
01	BLIND DUPLICATEDL	823847		7.942		1236933		10.089		1340027		11.206	
02	OUTFALL#1-BDL	847327		7.951		1295760		10.109		1390337		11.225	
03	OUTFALL#1-CDL	824306		7.946		1251768		10.088		1352080		11.204	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/29/2011 07/29/2011

EPA Sample No.(SSTD020##) SSTD0256B Date Analyzed: 08/05/2011

Lab File ID (Standard): S6A3611.D Time Analyzed: 10:31

Instrument ID: S6

		IS1 (DCB)			IS2 (NPT)			IS3 (ANT)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	196501		5.084		764251		6.142		439356		7.593	
	UPPER LIMIT	393002		5.584		1528502		6.642		878712		8.093	
	LOWER LIMIT	98251		4.584		382126		5.642		219678		7.093	
	SAMPLE NO.												
01	MB-60762	324572		5.084		1209782		6.142		741869		7.593	
02	LCS-60762	301512		5.090		1094365		6.142		649549		7.599	
03	OUTFALL #1-A	251761		5.090		905869		6.147		496763		7.599	
04	OUTFALL #1-D	308832		5.090		1035983		6.148		553192		7.599	
05	OUTFALL #2-C	365885		5.090		1261306		6.148		656953		7.599	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

EPA Sample No.(SSTD020##) SSTD0256B Date Analyzed: 08/05/2011

Lab File ID (Standard): S6A3611.D Time Analyzed: 10:31

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	756972		8.821		776599		11.13		830656		12.622	
	UPPER LIMIT	1513944		9.321		1553198		11.63		1661312		13.122	
	LOWER LIMIT	378486		8.321		388300		10.63		415328		12.122	
	SAMPLE NO.												
01	MB-60762	1231648		8.827		1031580		11.130		904092		12.628	
02	LCS-60762	1028208		8.827		874068		11.118		804063		12.605	
03	OUTFALL #1-A	753128		8.850		931212		11.165		1164577		12.693	
04	OUTFALL #1-D	818574		8.844		918642		11.148		1136466		12.658	
05	OUTFALL #2-C	940140		8.833		921491		11.112		1079602		12.611	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/29/2011 07/29/2011

EPA Sample No.(SSTD020##) SSTD0256C Date Analyzed: 08/08/2011

Lab File ID (Standard): S6A3641.D Time Analyzed: 11:30

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	263643		5.036		1027641		6.088		662853		7.545	
	UPPER LIMIT	527286		5.536		2055282		6.588		1325706		8.045	
	LOWER LIMIT	131822		4.536		513821		5.588		331427		7.045	
	SAMPLE NO.												
01	OUTFALL #1-ADL	238642		5.030		1002712		6.088		691980		7.545	
02	OUTFALL #1-DDL	249252		5.030		1005042		6.088		653812		7.545	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

EPA Sample No.(SSTD020##) SSTD0256C Date Analyzed: 08/08/2011

Lab File ID (Standard): S6A3641.D Time Analyzed: 11:30

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1137523		8.779		1019832		11.064		930476		12.533	
	UPPER LIMIT	2275046		9.279		2039664		11.564		1860952		13.033	
	LOWER LIMIT	568762		8.279		509916		10.564		465238		12.033	
	SAMPLE NO.												
01	OUTFALL #1-ADL	1342566		8.779		1438077		11.052		1257876		12.515	
02	OUTFALL #1-DDL	1221002		8.779		1276491		11.047		1125512		12.516	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : LaBella Associates

Project: LaBella Stand By

Laboratory Workorder / SDG #: K1310

SW846 6010C, SW846 7470A, SW846 7471B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 7470A, SW846 7471B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW7470A
Soil Samples were prepared following procedures in laboratory test

code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW7471B

V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spike was performed on samples: MW-05 (K1310-05AMS) and OUTFALL#2-A (K1310-15AMS).

Percent recoveries were within the QC limits with the following exceptions:

OUTFALL#2-A (K1310-15AMS), Spike sample recovery is below criteria for Antimony at 59% with criteria of (75-125) and Zinc at 21% with criteria of (75-125).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: OUTFALL#2-A (K1310-15APDS).

OUTFALL#2-A (K1310-15APDS) for Antimony and Zinc due to recoveries of these elements outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analysis was performed on samples: MW-05 (K1310-05ADUP) and OUTFALL#2-A (K1310-15ADUP).

Relative percent differences were within the QC limits with the following exceptions:

OUTFALL#2-A (K1310-15ADUP), Duplicate analysis not within control limit for Chromium and Magnesium.

F. Serial Dilution (SD):

Serial Dilution analysis was performed on samples: MW-05 (K1310-05ASD) and OUTFALL#2-A (K1310-15ASD).

Percent differences were within the QC limits with the exception of the following:

OUTFALL#2-A (K1310-15ASD), Serial Dilution analysis not within control limit for Cobalt, Potassium and Sodium.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum RI, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as

verified by the following signature.

Signed:

Date: 08/15/11

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

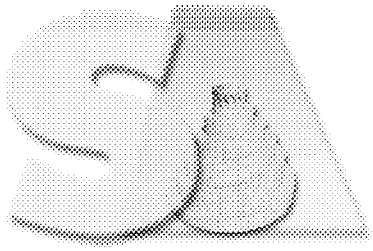
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BLIND DUP

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-08

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	206			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	10.6	B		P
7440-39-3	Barium	124	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	5.2			P
7440-70-2	Calcium	219000			P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	494			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	47600			P
7439-96-5	Manganese	29.3	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	1930			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	268000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	31.4	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BLIND DUPLICATE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-11

Level (low/med): MED Date Received: 07/22/2011

% Solids: 84.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3610			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	5.7			P
7440-39-3	Barium	24.2			P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.025	B		P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	16.1		*	P
7440-48-4	Cobalt	3.6		E	P
7440-50-8	Copper	116			P
7439-89-6	Iron	18500			P
7439-92-1	Lead	15.3			P
7439-95-4	Magnesium	19400		*	P
7439-96-5	Manganese	1250			P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	12.4			P
7440-09-7	Potassium	433		E	P
7782-49-2	Selenium	0.53	U		P
7440-22-4	Silver	0.24	B		P
7440-23-5	Sodium	119		E	P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	12.8			P
7440-66-6	Zinc	1410		N	P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FIELD BLANK

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-09

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	138	B		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	287	B		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	14.0	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-01

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-01

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	6.8	B		P
7440-39-3	Barium	19.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	217000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	108	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	49600			P
7439-96-5	Manganese	645			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	2510			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	23300			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	7.9	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-02

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-02

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69.0	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	6.1	B		P
7440-39-3	Barium	61.2	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	118000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	62.7	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	46400			P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	2660			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	67200			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5.1	B		P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-03

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-03

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	91.0	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	123000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	404			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	31700			P
7439-96-5	Manganese	157			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	1590			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	90000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	84.3			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-04

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-04

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	7.9	B		P
7440-39-3	Barium	124	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	6.1			P
7440-70-2	Calcium	214000			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	523			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	46800			P
7439-96-5	Manganese	21.2	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	1910			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	263000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	29.8	B		P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-05

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-05

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	155	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	40.0			P
7440-39-3	Barium	487			P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	106000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.88	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2990			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	34500			P
7439-96-5	Manganese	191			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	1480			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	191000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	33.2	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-1SP

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-06

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	12.9	B		P
7440-39-3	Barium	106	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	99200			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	228			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	24800			P
7439-96-5	Manganese	76.4			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	6050			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	213000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	28.7	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-2SP

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-07

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	20.4			P
7440-39-3	Barium	80.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	65400			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	3630			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	13800			P
7439-96-5	Manganese	500			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.87	B		P
7440-09-7	Potassium	1870			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	4250			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	15.9	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL #1-A

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-19

Level (low/med): MED Date Received: 07/30/2011

% Solids: 85.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3790			P
7440-36-0	Antimony	0.26	U		P
7440-38-2	Arsenic	7.8			P
7440-39-3	Barium	25.2			P
7440-41-7	Beryllium	0.19			P
7440-43-9	Cadmium	0.010	U		P
7440-70-2	Calcium	76300			P
7440-47-3	Chromium	34.1			P
7440-48-4	Cobalt	4.2			P
7440-50-8	Copper	196			P
7439-89-6	Iron	23100			P
7439-92-1	Lead	16.4			P
7439-95-4	Magnesium	26200			P
7439-96-5	Manganese	589			P
7439-97-6	Mercury	0.0025	U		CV
7440-02-0	Nickel	20.1			P
7440-09-7	Potassium	517			P
7782-49-2	Selenium	0.44	U		P
7440-22-4	Silver	0.097	B		P
7440-23-5	Sodium	114			P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	12.5			P
7440-66-6	Zinc	282			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL #1-D

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-20

Level (low/med): MED Date Received: 07/30/2011

% Solids: 73.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4960			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	44.3			P
7440-41-7	Beryllium	0.31			P
7440-43-9	Cadmium	0.012	U		P
7440-70-2	Calcium	64000			P
7440-47-3	Chromium	6.4			P
7440-48-4	Cobalt	5.1			P
7440-50-8	Copper	21.4			P
7439-89-6	Iron	16200			P
7439-92-1	Lead	11.0			P
7439-95-4	Magnesium	6430			P
7439-96-5	Manganese	912			P
7439-97-6	Mercury	0.0092	B		CV
7440-02-0	Nickel	8.5			P
7440-09-7	Potassium	495			P
7782-49-2	Selenium	0.49	U		P
7440-22-4	Silver	0.092	B		P
7440-23-5	Sodium	100			P
7440-28-0	Thallium	0.21	B		P
7440-62-2	Vanadium	14.7			P
7440-66-6	Zinc	94.2			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL #2-C

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-21

Level (low/med): MED Date Received: 07/30/2011

% Solids: 83.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3310			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	4.9			P
7440-39-3	Barium	23.9			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.029	B		P
7440-70-2	Calcium	109000			P
7440-47-3	Chromium	4.9			P
7440-48-4	Cobalt	3.6			P
7440-50-8	Copper	14.6			P
7439-89-6	Iron	9580			P
7439-92-1	Lead	8.4			P
7439-95-4	Magnesium	17400			P
7439-96-5	Manganese	626			P
7439-97-6	Mercury	0.0055	B		CV
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	461			P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	0.049	U		P
7440-23-5	Sodium	162			P
7440-28-0	Thallium	0.79			P
7440-62-2	Vanadium	7.2			P
7440-66-6	Zinc	115			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#1-B

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-12

Level (low/med): MED Date Received: 07/22/2011

% Solids: 74.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3940			P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	48.2			P
7440-41-7	Beryllium	0.22			P
7440-43-9	Cadmium	0.012	U		P
7440-70-2	Calcium	82800			P
7440-47-3	Chromium	6.3		*	P
7440-48-4	Cobalt	4.3		E	P
7440-50-8	Copper	24.6			P
7439-89-6	Iron	12300			P
7439-92-1	Lead	9.4			P
7439-95-4	Magnesium	7150		*	P
7439-96-5	Manganese	1390			P
7439-97-6	Mercury	0.0052	B		CV
7440-02-0	Nickel	9.2			P
7440-09-7	Potassium	512		E	P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	0.25	B		P
7440-23-5	Sodium	95.3		E	P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	8.0			P
7440-66-6	Zinc	208		N	P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#1-C

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-13

Level (low/med): MED Date Received: 07/22/2011

% Solids: 84.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5550			P
7440-36-0	Antimony	0.50	B	N	P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	44.0			P
7440-41-7	Beryllium	0.34			P
7440-43-9	Cadmium	0.0089	U		P
7440-70-2	Calcium	89600			P
7440-47-3	Chromium	8.0		*	P
7440-48-4	Cobalt	5.7		E	P
7440-50-8	Copper	20.6			P
7439-89-6	Iron	13700			P
7439-92-1	Lead	8.0			P
7439-95-4	Magnesium	23400		*	P
7439-96-5	Manganese	658			P
7439-97-6	Mercury	0.0058	B		CV
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	883		E	P
7782-49-2	Selenium	0.38	U		P
7440-22-4	Silver	0.10	B		P
7440-23-5	Sodium	141		E	P
7440-28-0	Thallium	0.13	U		P
7440-62-2	Vanadium	12.4			P
7440-66-6	Zinc	60.6		N	P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#1-E

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-14

Level (low/med): MED Date Received: 07/22/2011

% Solids: 81.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3770			P
7440-36-0	Antimony	0.35	B	N	P
7440-38-2	Arsenic	4.8			P
7440-39-3	Barium	31.2			P
7440-41-7	Beryllium	0.19			P
7440-43-9	Cadmium	0.0099	U		P
7440-70-2	Calcium	114000			P
7440-47-3	Chromium	6.1		*	P
7440-48-4	Cobalt	3.8		E	P
7440-50-8	Copper	16.5			P
7439-89-6	Iron	10900			P
7439-92-1	Lead	9.3			P
7439-95-4	Magnesium	6300		*	P
7439-96-5	Manganese	768			P
7439-97-6	Mercury	0.0027	B		CV
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	446		E	P
7782-49-2	Selenium	0.42	U		P
7440-22-4	Silver	0.14	B		P
7440-23-5	Sodium	113		E	P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	9.0			P
7440-66-6	Zinc	86.6		N	P

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-A

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-15

Level (low/med): MED Date Received: 07/22/2011

% Solids: 86.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1780			P
7440-36-0	Antimony	0.54	B	N	P
7440-38-2	Arsenic	4.8			P
7440-39-3	Barium	20.0			P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.077	B		P
7440-70-2	Calcium	173000			P
7440-47-3	Chromium	3.6		*	P
7440-48-4	Cobalt	2.6		E	P
7440-50-8	Copper	9.5			P
7439-89-6	Iron	6130			P
7439-92-1	Lead	8.8			P
7439-95-4	Magnesium	26200		*	P
7439-96-5	Manganese	521			P
7439-97-6	Mercury	0.0077	B		CV
7440-02-0	Nickel	6.1			P
7440-09-7	Potassium	404		E	P
7782-49-2	Selenium	0.43	U		P
7440-22-4	Silver	0.059	B		P
7440-23-5	Sodium	175		E	P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	5.0			P
7440-66-6	Zinc	220		N	P

Comments:

U.S. EPA - CLP

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-B

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-16

Level (low/med): MED Date Received: 07/22/2011

% Solids: 85.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4050			P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	5.1			P
7440-39-3	Barium	25.0			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.015	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	6.5		*	P
7440-48-4	Cobalt	4.6		E	P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	9.7			P
7439-95-4	Magnesium	15000		*	P
7439-96-5	Manganese	620			P
7439-97-6	Mercury	0.0040	B		CV
7440-02-0	Nickel	9.4			P
7440-09-7	Potassium	493		E	P
7782-49-2	Selenium	0.64	U		P
7440-22-4	Silver	0.14	B		P
7440-23-5	Sodium	148		E	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	9.3			P
7440-66-6	Zinc	127		N	P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-D

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-17

Level (low/med): MED Date Received: 07/22/2011

% Solids: 86.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2960			P
7440-36-0	Antimony	0.34	B	N	P
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	19.4			P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.013	U		P
7440-70-2	Calcium	113000			P
7440-47-3	Chromium	4.1		*	P
7440-48-4	Cobalt	3.0		E	P
7440-50-8	Copper	11.3			P
7439-89-6	Iron	11200			P
7439-92-1	Lead	7.3			P
7439-95-4	Magnesium	13700		*	P
7439-96-5	Manganese	625			P
7439-97-6	Mercury	0.0039	B		CV
7440-02-0	Nickel	6.5			P
7440-09-7	Potassium	411		E	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.10	B		P
7440-23-5	Sodium	267		E	P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	8.0			P
7440-66-6	Zinc	118		N	P

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-E

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-18

Level (low/med): MED Date Received: 07/22/2011

% Solids: 83.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2450			P
7440-36-0	Antimony	0.45	U	N	P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	22.5			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.018	U		P
7440-70-2	Calcium	135000			P
7440-47-3	Chromium	4.0		*	P
7440-48-4	Cobalt	2.9	B	E	P
7440-50-8	Copper	10.6			P
7439-89-6	Iron	7540			P
7439-92-1	Lead	9.7			P
7439-95-4	Magnesium	17400		*	P
7439-96-5	Manganese	619			P
7439-97-6	Mercury	0.014	B		CV
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	495		E	P
7782-49-2	Selenium	0.76	U		P
7440-22-4	Silver	0.089	B		P
7440-23-5	Sodium	166		E	P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	6.9			P
7440-66-6	Zinc	139		N	P

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSATE BLANK

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-10

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.90	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	103	B		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	259	B		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	14.7	B		P

Comments:

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7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-60590**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9200.34	101.1						
Antimony	455.0	465.00	102.2						
Arsenic	455.0	453.43	99.7						
Barium	9100.0	9258.34	101.7						
Beryllium	227.0	233.08	102.7						
Cadmium	227.0	218.15	96.1						
Calcium	22700.0	23642.82	104.2						
Chromium	910.0	937.58	103.0						
Cobalt	2270.0	2342.31	103.2						
Copper	1130.0	1123.74	99.4						
Iron	4550.0	4786.21	105.2						
Lead	455.0	448.97	98.7						
Magnesium	22700.0	23117.02	101.8						
Manganese	2270.0	2309.69	101.7						
Nickel	2270.0	2367.15	104.3						
Potassium	22700.0	23253.08	102.4						
Selenium	455.0	445.02	97.8						
Silver	1130.0	1169.14	103.5						
Sodium	22700.0	23279.66	102.6						
Thallium	455.0	449.97	98.9						
Vanadium	2270.0	2301.30	101.4						
Zinc	2270.0	2322.33	102.3						

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-60592**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.79	104.1						

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-60632**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	448.2		364	546.0	98.5
Antimony				22.8	21.7		18.2	27.3	95.2
Arsenic				22.8	22.4		18.2	27.3	98.2
Barium				455.0	465.0		364	546.0	102.2
Beryllium				11.4	11.3		9.1	13.6	99.1
Cadmium				11.4	10.9		9.1	13.6	95.6
Calcium				1135.0	1140.0		908	1362.0	100.4
Chromium				45.5	45.5		36.4	54.6	100.0
Cobalt				113.5	112.8		90.8	136.2	99.4
Copper				56.5	56.3		45.2	67.8	99.6
Iron				227.5	230.6		182	273.0	101.4
Lead				22.8	22.7		18.2	27.3	99.6
Magnesium				1135.0	1120.6		908	1362.0	98.7
Manganese				113.5	114.8		90.8	136.2	101.1
Nickel				113.5	113.4		90.8	136.2	99.9
Potassium				1135.0	1146.2		908	1362.0	101.0
Selenium				22.8	21.4		18.2	27.3	93.9
Silver				56.5	56.4		42.4	67.8	99.8
Sodium				1135.0	1152.7		908	1362.0	101.6
Thallium				22.8	22.2		18.2	27.3	97.4
Vanadium				113.5	113.6		90.8	136.2	100.1
Zinc				113.5	109.6		90.8	136.2	96.6

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-60650**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-60747**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	462.1		364	546.0	101.6
Antimony				22.8	22.8		18.2	27.3	100.0
Arsenic				22.8	23.1		18.2	27.3	101.3
Barium				455.0	469.7		364	546.0	103.2
Beryllium				11.4	11.5		9.1	13.6	100.9
Cadmium				11.4	11.4		9.1	13.6	100.0
Calcium				1135.0	1159.9		908	1362.0	102.2
Chromium				45.5	46.7		36.4	54.6	102.6
Cobalt				113.5	117.3		90.8	136.2	103.3
Copper				56.5	57.8		45.2	67.8	102.3
Iron				227.5	239.5		182	273.0	105.3
Lead				22.8	23.3		18.2	27.3	102.2
Magnesium				1135.0	1151.8		908	1362.0	101.5
Manganese				113.5	116.4		90.8	136.2	102.6
Nickel				113.5	117.4		90.8	136.2	103.4
Potassium				1135.0	1156.7		908	1362.0	101.9
Selenium				22.8	21.8		18.2	27.3	95.6
Silver				56.5	56.9		42.4	67.8	100.7
Sodium				1135.0	1161.6		908	1362.0	102.3
Thallium				22.8	23.2		18.2	27.3	101.8
Vanadium				113.5	115.4		90.8	136.2	101.7
Zinc				113.5	115.6		90.8	136.2	101.9

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-60757**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

U.S. EPA - CLP

5A

EPA SAMPLE NO.

SPIKE SAMPLE RECOVERY

MW-05S

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	9510		155	B	9100	103		P
Antimony	75-125	494		9.3	U	456	108		P
Arsenic	75-125	518		40.0		456	105		P
Barium	75-125	9820		487		9100	103		P
Beryllium	75-125	236		0.26	U	227	104		P
Cadmium	75-125	222		0.89	U	227	98		P
Chromium	75-125	944		0.64	U	910	104		P
Cobalt	75-125	2370		0.88	B	2270	104		P
Copper	75-125	1180		3.6	U	1130	104		P
Iron	75-125	7440		2990		4550	98		P
Lead	75-125	454		4.2	U	455	100		P
Manganese	75-125	2500		191		2270	102		P
Nickel	75-125	2370		1.5	B	2270	105		P
Selenium	75-125	457		12.0	U	455	100		P
Silver	75-125	1200		6.9	U	1130	106		P
Thallium	75-125	454		6.2	U	455	100		P
Vanadium	75-125	2350		1.1	U	2270	104		P
Zinc	75-125	2390		33.2	B	2270	104		P
Mercury	75-125	4.8		0.028	U	4.6	105		CV

Comments:

U.S. EPA - CLP

5A

EPA SAMPLE NO.

SPIKE SAMPLE RECOVERY

OUTFALL#2-AS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

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

% Solids for Sample: 86.6

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
Antimony	75-125	9.3		0.54	B	14.9	59	N	P
Arsenic	75-125	22.5		4.8		14.9	119		P
Barium	75-125	307		20.0		297	97		P
Beryllium	75-125	7.5		0.13	B	7.4	99		P
Cadmium	75-125	7.0		0.077	B	7.4	93		P
Chromium	75-125	31.5		3.6		29.7	94		P
Cobalt	75-125	70.4		2.6		74.1	92		P
Copper	75-125	49.0		9.5		36.9	107		P
Lead	75-125	22.5		8.8		14.9	92		P
Nickel	75-125	72.5		6.1		74.1	90		P
Selenium	75-125	14.6		0.43	U	14.9	98		P
Silver	75-125	41.1		0.043	B	36.9	111		P
Thallium	75-125	13.0		0.15	U	14.9	87		P
Vanadium	75-125	78.8		5.0		74.1	100		P
Zinc	75-125	236		220		74.1	21	N	P
Mercury	75-125	0.92		0.0077	B	0.89	103		CV

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

OUTFALL#2-AA

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

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

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

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		481.55		16.07	B	455.0	102		P
Zinc		8433.26		6507.25		2270.0	85		P

Comments:

U.S. EPA - CLP

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DUPLICATES

EPA SAMPLE NO.

MW-05D

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		154.6597	B	66.0000	U	200		P
Antimony		9.3000	U	9.3000	U			P
Arsenic	20.0	40.0381		39.0062		2.6		P
Barium	200.0	486.9206		476.0783		2.3		P
Beryllium		0.2600	U	0.2600	U			P
Cadmium		0.8900	U	0.8900	U			P
Calcium		105663.1143		101750.8320		3.8		P
Chromium		0.6400	U	0.6400	U			P
Cobalt		0.8835	B	0.7724	B	13.4		P
Copper		3.6000	U	3.6000	U			P
Iron		2990.6406		2526.0169		16.8		P
Lead		4.2000	U	4.2000	U			P
Magnesium		34469.0270		33492.9886		2.9		P
Manganese	50.0	191.3438		194.6331		1.7		P
Nickel		1.4721	B	0.9812	B	40		P
Potassium	1000.0	1482.2442		1396.0101		6		P
Selenium		12.0000	U	12.0000	U			P
Silver		6.9000	U	6.9000	U			P
Sodium		190935.6991		182348.9564		4.6		P
Thallium		6.2000	U	6.2000	U			P
Vanadium		1.1000	U	1.1000	U			P
Zinc		33.1587	B	31.0340	B	6.6		P
Mercury		0.0280	U	0.0280	U			CV

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6

DUPLICATES

EPA SAMPLE NO.

OUTFALL#2-AD

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

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

% Solids for Sample: 86.6 % Solids for Duplicate: 86.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		1775.5952		1657.2573		6.9		P
Antimony		0.5429	B	0.5203	B	4.3		P
Arsenic		4.8178		5.0672		5		P
Barium	6.8	20.0073		22.2109		10.4		P
Beryllium		0.1332	B	0.1491	B	11.3		P
Cadmium		0.0773	B	0.0741	B	4.2		P
Calcium		173468.4676		184846.0935		6.4		P
Chromium		3.6367		4.4747		20.7	*	P
Cobalt	1.7	2.5789		2.3162		10.7		P
Copper		9.5181		8.4631		11.7		P
Iron		6131.1379		5393.4478		12.8		P
Lead		8.8461		8.2863		6.5		P
Magnesium		26150.9198		37712.8090		36.2	*	P
Manganese		520.6915		501.7513		3.7		P
Nickel	1.7	6.0998		6.1037		0.1		P
Potassium		403.7521		467.5755		14.6		P
Selenium		0.4300	U	0.4200	U			P
Silver		0.0593	B	0.0619	B	4.3		P
Sodium		174.7730		203.7126		15.3		P
Thallium		0.1500	U	0.1545	B	200		P
Vanadium	1.7	4.9541		5.8819		17.1		P
Zinc		219.7778		242.8866		10		P
Mercury		0.0077	B	0.0101	B	27		CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-60592**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **FIMS2_110727A**

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-60650**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG **FIMS2_110728A**

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.002	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS2_110728A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury			0.028	U	0.028	U					CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-60757**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG **FIMS2_110804B**

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.028	U	0.028	U					0.002	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-60590**

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

OPTIMA3_110726A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	69.258	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.2	B	1.1	U	1.1	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	151.500	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	43.857	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	162.2	B	84.1	B	81.0	B	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	29.0	U	121.9	B	119.7	B	110.4	B	29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P

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3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-60632**

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

OPTIMA3_110728B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	2.912	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.5	B	0.410	U	P
Barium	1.1	U	1.1	U	1.1	U	1.3	B	0.031	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	B	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	1.682	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	2.623	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	76.0	U	76.0	U	76.0	U	214.0	B	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	29.0	U	57.8	B	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.180	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_110728B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			66.0	U							P
Antimony			9.3	U							P
Arsenic			4.3	U							P
Barium			1.1	U							P
Beryllium			0.3	U							P
Cadmium			0.9	U							P
Calcium			110.0	U	110.0	U					P
Chromium			0.6	U							P
Cobalt			0.7	U							P
Copper			3.6	U							P
Iron			31.0	U							P
Lead			4.2	U							P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U							P
Nickel			0.8	U							P
Potassium			201.9	B							P
Selenium			12.0	U							P
Silver			6.9	U							P
Sodium			61.2	B							P
Thallium			6.2	U							P
Vanadium			1.1	U							P
Zinc			4.9	U							P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-60747**

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

OPTIMA3_110803C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U			3.376	B	P
Antimony	9.3	U	9.3	U	9.3	U			0.422	B	P
Arsenic	4.3	U	4.3	U	4.3	U			0.410	U	P
Barium	1.1	U	1.5	B	1.1	U			0.031	U	P
Beryllium	0.3	U	0.3	U	0.3	U			0.004	B	P
Cadmium	0.9	U	0.9	U	0.9	U			0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U			0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U			0.044	U	P
Copper	3.6	U	3.6	U	3.6	U			0.110	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	2.039	B	P
Lead	4.2	U	4.2	U	4.2	U			0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	3.324	B	P
Manganese	10.0	U	10.0	U	10.0	U			0.130	U	P
Nickel	0.9	U	0.8	U	0.8	U			0.043	U	P
Potassium	76.0	U	76.0	U	78.0	B			4.175	B	P
Selenium	12.0	U	12.0	U	12.0	U			0.640	U	P
Silver	6.9	U	6.9	U	6.9	U			0.091	B	P
Sodium	29.0	U	31.1	B	29.0	U			1.334	B	P
Thallium	6.2	U	6.2	U	6.2	U			0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U			0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U			0.180	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA3_110803C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Calcium			110.0	U	110.0	U	110.0	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P

Data Usability Summary Report (DUSR)

Ultralife Corp.
Labella Project #209025.01

Spectrum Analytical, Inc., Warwick, RI
Sample Delivery Group #K1310
August 22, 2011

Prepared by:
Ethan Lee
LaBella Associates, P.C.
300 State St
Rochester, NY 14614

Analytical results for the project samples were reviewed to evaluate the data usability. Data was assessed in accordance with guidance from the following Federal and/or State guidance documents:

- USEPA National Functional Guidelines for Organic Data Review (EPA 540/R-99/008) and/or USEPA National Functional Guidelines for Low Concentration Organic Data Review (EPA 540-R-04-004).
- USEPA National Functional Guidelines for Inorganic Data Review (EPA 540/R-04-004).

And method protocol criteria were applicable as prescribed by "Test Methods for Evaluating Solid Waste", SW846, Update III, 1996.

This DUSR pertains to the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis Performed	
				SVOC[1]	Metals[2]/ Mercury[3]
MW-01	K1310-01	AQ	7/20/11		X
MW-02	K1310-02	AQ	7/20/11		X
MW-03	K1310-03	AQ	7/20/11		X
MW-04	K1310-04	AQ	7/20/11		X
MW-05	K1310-05	AQ	7/20/11		X
MW-1SP	K1310-06	AQ	7/20/11		X
MW-2SP	K1310-07	AQ	7/20/11		X
BLIND DUP	K1310-08	AQ	7/20/11		X
FIELD BLANK	K1310-09	AQ	7/20/11		X
RINSATE BLANK	K1310-10	AQ	7/20/11		X
BLIND DUPLICATE	K1310-11	SO	7/20/11	X	X
OUTFALL#1-B	K1310-12	SO	7/20/11	X	X
OUTFALL#1-C	K1310-13	SO	7/20/11	X	X
OUTFALL#1-E	K1310-14	SO	7/20/11	X	X
OUTFALL#2-A	K1310-15	SO	7/20/11	X	X
OUTFALL#2-B	K1310-16	SO	7/20/11	X	X
OUTFALL#2-D	K1310-17	SO	7/20/11	X	X
OUTFALL#2-E	K1310-18	SO	7/20/11	X	X
OUTFALL#1-A	K1310-19	SO	7/28/11	X	X
OUTFALL#1-D	K1310-20	SO	7/28/11	X	X
OUTFALL#2-C	K1310-21	SO	7/28/11	X	X

(1) SVOC analyses were performed using USEPA Method SW846 8270C.
(2) TAL Metals analyses were performed using USEPA Method SW846 6010B.
(3) Soil Mercury analyses were performed using USEPA Method SW846 7471B. Aqueous Mercury analyses were performed using USEPA Method SW846 7470A.

The following items/criteria applicable to the analysis of project samples and associated QA/QC procedures were reviewed:

- Sample Data Reporting Format
- Preservation and Holding Time Compliance
- GC/MS Instrument Performance Check
- Initial Calibration Verification (ICV)
- Continuing Calibration Verification (CCV)
- Blank Sample Analysis
- System Monitoring/Surrogate Compound Recoveries
- Laboratory Control Sample (LCS) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries
- Internal Standards
- Target Compound Identification
- Compound Quantitation
- Data Qualifiers
- Summary

Semivolatile Organic Compounds (SVOCs)

Sample Data Reporting Format

The sample data are presented using USEPA Contract Laboratory Protocol (CLP) format. The data package has been reviewed for completeness and found to contain each required sample result and associated QA/QC report form. The reporting format is complete and compliant with the objectives of the project. No qualification of the data is recommended.

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, with the following exceptions:

Samples OUTFALL#1-A, OUTFALL#1-D, and OUTFALL#2-C arrived at the laboratory at a temperature of 8° C, which is above the recommended temperature range for proper sample preservation. Positive sample results for analytes in these samples were qualified as "J", estimated. Nondetected results were qualified as "UJ", estimated.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Check

GC/MS instrument performance checks for the instruments used in the analysis of project samples fell within method specific criteria without exception. No qualification of the data is recommended.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria with the following exceptions.

Inst.	Date/ Time	Target Analyte(s)	%RSD	RRF	Corrective Action	Affected Sample(s)
S3	7/18/11 20:18	2,4-Dinitrophenol	50.7	0.082	Action #1	BLIND DUPLICATE
		4,6-Dinitro-2-methylphenol	41.1	0.079	Action #1	OUTFALL#1-B
						OUTFALL#1-C
						OUTFALL#1-E
						OUTFALL#2-A
						OUTFALL#2-B
						OUTFALL#2-D
						OUTFALL#2-E
						OUTFALL#1-E-DL
						BLIND DUPLICATE-DL
						OUTFALL#1-B-DL
						OUTFALL#1-C-DL

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria, with the following exceptions:

Inst.	Date/ Time	Target Analyte(s)	%D	RRF	Corrective Action	Affected Sample(s)
S3	7/28/11 14:40	2-Nitrophenol	38.9	0.20	Action #1	BLIND DUPLICATE
		2,4-Dinitrophenol	53.9	0.13	Action #1	OUTFALL#1-B
		2,4-Dinitrotoluene	32.4	0.46	Action #1	OUTFALL#1-C
		4,6-Dinitro-2-methylphenol	44.0	0.11	Action #1	OUTFALL#1-E
						OUTFALL#2-A
						OUTFALL#2-B
						OUTFALL#2-D
						OUTFALL#2-E
S3	7/29/11 16:11	2-Nitrophenol	37.9	0.20	Action #1	OUTFALL#1-E-DL
		2-Nitroaniline	45.6	0.39	Action #1	
		2,4-Dinitrophenol	42.2	0.12	Action #1	
		2,4-Dinitrotoluene	29.5	0.45	Action #1	
		4,6-Dinitro-2-methylphenol	43.8	0.11	Action #1	

Action #1: Positive results are qualified "J", estimated and nondetected analytes as "UJ", estimated detection limit.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in any blank.

Target compounds were not identified in associated blank samples at a concentration above the MDL for organic parameter analyses without exception.

System Monitoring/Surrogate Compound Recoveries

System monitoring/surrogate compound recoveries were within the laboratory specific criteria for the analysis of the project samples, with the following exceptions:

Surrogate		Criteria (%)
Nitrobenzene-d5	S01	35-100
2-Fluorobiphenyl	S02	45-105
Terphenyl-d14	S03	30-125
Phenol-d5	S04	40-100
2-Fluorophenol	S05	35-105
2,4,6-Tribromophenol	S06	35-125

Project Sample ID	S01	S02	S03	S04	S05	S06	Positive Results	Non Detect (ND)
	%R	%R	%R	%R	%R	%R		
OUTFALL#1-A-DL	0	0	0	0	0	0	J	R
OUTFALL#1-D-DL	92	88	96	111	100	76	J	No Qual

If the surrogate percent recovery is greater than the upper acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes should not be qualified. If the surrogate percent recovery is less than the lower acceptance limit, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "UJ", estimated detection limit. If the surrogate percent recovery is less than 10%, associated target analyte positive results are qualified "J", estimated and nondetected analytes are qualified "R", rejected. All SVOC target analytes in the identified project samples should be qualified as noted above.

Laboratory Control Sample (LCS) and Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

LCS recoveries were within the method specific criteria, with the following exceptions:

LCS ID	Compound	QC Criteria	LCS %R	Corrective Action	Affected Samples
LCS-60679	2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol	15-130 30-135	131 138	Action #1 Action #1	BLIND DUPLICATE OUTFALL#1-B OUTFALL#1-C OUTFALL#1-E OUTFALL#2-A OUTFALL#2-B OUTFALL#2-D OUTFALL#2-E OUTFALL#1-E-DL BLIND DUPLICATE-DL OUTFALL#1-B-DL OUTFALL#1-C-DL

Action #1: Positive results are qualified "J", estimated and nondetected results should not be qualified.

MS/MSD recoveries were within the method specific criteria without exception.

Internal Standards (IS)

The calculated response of each IS compound fell within the QA/QC criteria without exception. No qualification of the data is recommended.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. No qualification of the data is recommended.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "J" qualifier, which indicates an estimated value because the result was between the RL and MDL, was carried forward.

Compounds detected at levels above the calibration range of the instrument were qualified "E" by the laboratory. The samples were then re-analyzed at a dilution to bring the concentration

within the calibration range of the instrument. Both results were reported by the laboratory and the data validator used professional judgment to select the best result for reporting purposes.

Metals

Preservation and Holding Time Compliance

Maximum allowable holding times for each parameter were measured from the time of sample collection to the time of sample preparation or analysis for each project sample. All project samples were found to be properly preserved or analyzed within the USEPA recommended maximum holding time, with the following exception.

Samples OUTFALL#1-A, OUTFALL#1-D, and OUTFALL#2-C arrived at the laboratory at a temperature of 8° C, which is above the recommended temperature range for proper sample preservation. Positive sample results in these samples were qualified as "J", estimated. Nondetected results were qualified as "UJ", estimated.

Initial Calibration Verification (ICV)

Initial calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Continuing Calibration Verification (CCV)

Continuing calibration checks for the instruments used in the analysis of project samples fell within the method specific criteria without exception. No qualification of the data is recommended.

Blank Sample Analysis

In accordance with cited USEPA guidelines, positive sample results should be reported unless the concentration of the compound in the project sample is less than or equal to 5 times (5X) the amount in the associated blank sample.

Target compounds were not identified in associated blank samples at a concentration above the MDL for metals analyses, with the following exceptions:

Blank	Target Analyte(s)	Conc.	Flag sample results with a "U" if ≤ this value	Affected Sample(s)
MB-60590	Aluminum Calcium Iron	69.3 ug/L 152 ug/L 43.9 ug/L	347 ug/L 760 ug/L 220 ug/L	MW-01 MW-02 MW-03 MW-04 MW-05 MW-1SP MW-2SP RINSATE BLANK BLIND DUP FIELD BLANK
MB-60632	Aluminum Beryllium Iron Magnesium	2.9 mg/kg 0.002 mg/kg 1.68 mg/kg 2.62 mg/kg	14.5 mg/kg 0.01 mg/kg 8.4 mg/kg 13.1 mg/kg	OUTFALL#1-B OUTFALL#1-C OUTFALL#1-E OUTFALL#2-A OUTFALL#2-B OUTFALL#2-D OUTFALL#2-E BLIND DUPLICATE
MB-60747	Aluminum Antimony Beryllium Iron Magnesium Potassium Silver Sodium	3.38 mg/kg 0.42 mg/kg 0.004 mg/kg 2.04 mg/kg 3.32 mg/kg 4.18 mg/kg 0.09 mg/kg 1.33 mg/kg	16.9 mg/kg 2.1 mg/kg 0.02 mg/kg 10.2 mg/kg 16.6 mg/kg 20.9 mg/kg 0.45 mg/kg 6.65 mg/kg	OUTFALL#1-A OUTFALL#1-D OUTFALL#2-C
RINSATE BLANK	Chromium Potassium Sodium Zinc	0.90 ug/L 103 ug/L 259 ug/L 14.7 ug/L	4.5 ug/L 515 ug/L 1300 ug/L 73.5 ug/L	All Samples
FIELD BLANK	Potassium Sodium Zinc	138 ug/L 287 ug/L 14.0 ug/L	690 ug/L 1435 ug/L 70 ug/L	All Samples

Note: Preparation Blank associated samples include all samples analyzed within the sample analytical batch.

Interference Check Sample Analysis

The interference check sample solution percent recoveries (%Rs) fell within the method required control limits without exception. No qualification of the data is recommended.

Laboratory Control Sample (LCS) Analysis

The LCS %Rs fell within the method required control limits without exception.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

The MS/MSD %Rs fell within the method required control limits (75-125%), with the following exceptions:

MS ID	Compound	MS %R	Corrective Action	Affected Samples
OUTFALL#2-A	Antimony Zinc	59 21	Action #1 Action #1	Soil Samples

Action #1: Positive results were qualified as "J", estimated and nondetected results were qualified as "UJ", estimated detection limit.

Laboratory Duplicate Analysis

The laboratory duplicate percent differences (%Ds) fell within the method required control limits, with the following exceptions:

Lab Dup ID	Compound	%RPD	Corrective Action	Affected Samples
OUTFALL#2-A	Chromium Magnesium	20.7 36.2	Action #1 Action #1	OUTFALL#1-B OUTFALL#1-C OUTFALL#1-E OUTFALL#2-A OUTFALL#2-B OUTFALL#2-D OUTFALL#2-E BLIND DUPLICATE

Action #1: Positive results were qualified as "J", estimated and nondetected results were qualified as "UJ", estimated detection limit.

ICP Serial Dilution Analysis

The ICP Serial Dilution %Ds fell within the method required control limits, with the following exceptions:

ICP Serial Dilution ID	Compound	%D	Corrective Action	Affected Samples
OUTFALL#2-A	Cobalt	10	Action #1	OUTFALL#1-B
	Potassium	23	Action #1	OUTFALL#1-C
	Sodium	19	Action #1	OUTFALL#1-E
				OUTFALL#2-A
				OUTFALL#2-B
				OUTFALL#2-D
				OUTFALL#2-E
				BLIND DUPLICATE

Action #1: Positive results were qualified as "J", estimated and nondetected results were qualified as "UJ", estimated detection limit.

Compound Quantitation

Compound quantitation is performed to ensure that reported quantitation results are accurate. Compounds were quantitated correctly without exception.

Data Qualifiers

Data qualifiers were assigned by the laboratory to the reported results to identify target analytes detected below the reporting limit (RL) but above the method detection limit (MDL), and/or when target analytes were detected in the associated method/preparation blank sample. Based on a spot check of the data qualifiers used, these flags appeared to be applied to the reported results in accordance with USEPA guidance. The "B" qualifiers, which indicate an estimated value because the result was between the RL and MDL, were changed to "J" qualifiers by the data reviewer.

Summary

The results presented in each report were found to be compliant with the data quality objectives for the project and usable. Based on our review, the usability of the data is 100%, with the few exceptions noted above.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATE

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4905.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2´-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	UJ
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	620	
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	320	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	2000	
51-28-5	2,4-Dinitrophenol	790	UJ
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	1100	

EC 8/29/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATE

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4905.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	UJ
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	1900	
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	UJ
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
~~85-01-8~~	~~Phenanthrene~~	~~8600~~	~~E~~
~~120-12-7~~	~~Anthracene~~	~~3400~~	~~E~~
86-74-8	Carbazole	2300	
84-74-2	Di-n-butylphthalate	390	U
~~206-44-0~~	~~Fluoranthene~~	~~9000~~	~~E~~
~~129-00-0~~	~~Pyrene~~	~~7700~~	~~E~~
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
~~56-55-3~~	~~Benzo(a)anthracene~~	~~6200~~	~~E~~
~~218-01-9~~	~~Chrysene~~	~~5700~~	~~E~~
117-81-7	Bis(2-ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
~~205-99-2~~	~~Benzo(b)fluoranthene~~	~~5400~~	~~E~~
~~207-08-9~~	~~Benzo(k)fluoranthene~~	~~4000~~	~~E~~
~~50-32-8~~	~~Benzo(a)pyrene~~	~~5700~~	~~E~~
~~193-39-5~~	~~Indeno(1,2,3-cd)pyrene~~	~~3900~~	~~E~~
53-70-3	Dibenzo(a,h)anthracene	1600	
~~191-24-2~~	~~Benzo(g,h,i)perylene~~	~~4100~~	~~E~~

EL
6/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BLIND DUPLICATE

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4905.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	8.804	2100	NJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.874	340	NJ
03	243-17-4	11H-Benzo[b]fluorene (9.8138	9.814	290	NJ
04	243-17-4	11H-Benzo[b]fluorene (9.8673	9.867	220	NJ
05	3442-78-2	Pyrene, 2-methyl-	9.899	170	NJ
06	243-46-9	Benzo[b]naphtho[2,3-d]thioph	10.321	240	NJ
07		Unknown (10.34275)	10.343	190	J
08		Unknown (10.36412)	10.364	270	J
09		Unknown (10.62588)	10.626	290	J
10	2541-69-7	Benz[a]anthracene, 7-methyl-	10.850	220	NJ
11		Unknown (10.95710)	10.957	160	J
12		Unknown (10.97312)	10.973	170	J

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATEDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4938.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3900	U
111-44-4	Bis(2-chloroethyl)ether	3900	U
95-57-8	2-Chlorophenol	3900	U
541-73-1	1,3-Dichlorobenzene	3900	U
106-46-7	1,4-Dichlorobenzene	3900	U
95-50-1	1,2-Dichlorobenzene	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3900	U
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-di-n-propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
120-82-1	1,2,4-Trichlorobenzene	3900	U
91-20-3	Naphthalene	590	DJ
106-47-8	4-Chloroaniline	3900	U
111-91-1	Bis(2-chloroethoxy)methane	3900	U
87-68-3	Hexachlorobutadiene	3900	U
59-50-7	4-Chloro-3-methylphenol	3900	U
91-57-6	2-Methylnaphthalene	3900	U
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	7900	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	7900	U
131-11-3	Dimethylphthalate	3900	U
208-96-8	Acenaphthylene	3900	U
606-20-2	2,6-Dinitrotoluene	3900	U
99-09-2	3-Nitroaniline	7900	U
83-32-9	Acenaphthene	1900	DJ
51-28-5	2,4-Dinitrophenol	7900	U
100-02-7	4-Nitrophenol	7900	U
132-64-9	Dibenzofuran	1100	DJ

EC 8/29/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BLIND DUPLICATEDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4938.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
86-73-7	Fluorene	1800	DJ
100-01-6	4-Nitroaniline	7900	U
534-52-1	4,6-Dinitro-2-methylphenol	7900	U
86-30-6	N-Nitrosodiphenylamine	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
87-86-5	Pentachlorophenol	7900	U
85-01-8	Phenanthrene	18000	D
120-12-7	Anthracene	3900	DJ
86-74-8	Carbazole	2400	DJ
84-74-2	Di-n-butylphthalate	3900	U
206-44-0	Fluoranthene	24000	D
129-00-0	Pyrene	17000	D
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)anthracene	9400	D
218-01-9	Chrysene	9500	D
117-81-7	Bis(2-ethylhexyl)phthalate	3900	U
117-84-0	Di-n-octylphthalate	3900	U
205-99-2	Benzo(b)fluoranthene	9400	D
207-08-9	Benzo(k)fluoranthene	4800	D
50-32-8	Benzo(a)pyrene	7600	D
193-39-5	Indeno(1,2,3-cd)pyrene	3800	DJ
53-70-3	Dibenzo(a,h)anthracene	1100	DJ
191-24-2	Benzo(g,h,i)perylene	4000	D

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BLIND DUPLICATEDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-11ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3H4938.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	2531-84-2	Phenanthrene, 2-methyl-	8.369	1600	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.439	2500	DNJ
03	84-65-1	9,10-Anthracenedione	8.599	2300	DNJ

[2]EPA-designated Registry Number.

EL 8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4906.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	Bis(2-chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	UJ
105-67-9	2,4-Dimethylphenol	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	920	
106-47-8	4-Chloroaniline	430	U
111-91-1	Bis(2-chloroethoxy)methane	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	580	
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	2000	
51-28-5	2,4-Dinitrophenol	880	UJ
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	1100	

EL 8/29/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4906.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	2000	
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	9000	E
120-12-7	Anthracene	2900	
86-74-8	Carbazole	2400	
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	10000	E
129-00-0	Pyrene	8400	E
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	7800	E
218-01-9	Chrysene	6900	E
117-81-7	Bis(2-ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	7800	E
207-08-9	Benzo(k)fluoranthene	4600	E
50-32-8	Benzo(a)pyrene	7800	E
193-39-5	Indeno(1,2,3-cd)pyrene	5800	E
53-70-3	Dibenzo(a,h)anthracene	2600	
191-24-2	Benzo(g,h,i)perylene	6000	E

EL 8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4906.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	8.804	2800	NJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.873	340	NJ
03	84-65-1	9,10-Anthracenedione	9.044	190	NJ
04	3674-73-5	Phenanthrene, 2,3,5-trimethy	9.600	190	NJ
05	2381-21-7	Pyrene, 1-methyl- (9.72807)	9.728	190	NJ
06	243-17-4	11H-Benzo[b]fluorene	9.819	410	NJ
07	2381-21-7	Pyrene, 1-methyl- (9.87765)	9.878	230	NJ
08	3442-78-2	Pyrene, 2-methyl-	9.904	230	NJ
09	84-15-1	o-Terphenyl	10.166	190	NJ
10	243-46-9	Benzo[b]naphtho[2,3-d]thioph	10.332	360	NJ
11		Unknown (10.63623)	10.636	300	J
12		Unknown (10.67363)	10.674	220	J
13		Unknown (10.72705)	10.727	190	J
14	1705-84-6	Triphenylene, 2-methyl-	10.866	390	NJ
15	2541-69-7	Benz[a]anthracene, 7-methyl-	10.893	230	NJ
16		Unknown (10.97812)	10.978	260	J
17		Unknown (11.14373)	11.144	3900	J

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-BDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4939.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4300	U
111-44-4	Bis(2-chloroethyl)ether	4300	U
95-57-8	2-Chlorophenol	4300	U
541-73-1	1,3-Dichlorobenzene	4300	U
106-46-7	1,4-Dichlorobenzene	4300	U
95-50-1	1,2-Dichlorobenzene	4300	U
95-48-7	2-Methylphenol	4300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4300	U
106-44-5	4-Methylphenol	4300	U
621-64-7	N-Nitroso-di-n-propylamine	4300	U
67-72-1	Hexachloroethane	4300	U
98-95-3	Nitrobenzene	4300	U
78-59-1	Isophorone	4300	U
88-75-5	2-Nitrophenol	4300	U
105-67-9	2,4-Dimethylphenol	4300	U
120-83-2	2,4-Dichlorophenol	4300	U
120-82-1	1,2,4-Trichlorobenzene	4300	U
91-20-3	Naphthalene	860	DJ
106-47-8	4-Chloroaniline	4300	U
111-91-1	Bis(2-chloroethoxy)methane	4300	U
87-68-3	Hexachlorobutadiene	4300	U
59-50-7	4-Chloro-3-methylphenol	4300	U
91-57-6	2-Methylnaphthalene	4300	U
77-47-4	Hexachlorocyclopentadiene	4300	U
88-06-2	2,4,6-Trichlorophenol	4300	U
95-95-4	2,4,5-Trichlorophenol	8800	U
91-58-7	2-Chloronaphthalene	4300	U
88-74-4	2-Nitroaniline	8800	U
131-11-3	Dimethylphthalate	4300	U
208-96-8	Acenaphthylene	4300	U
606-20-2	2,6-Dinitrotoluene	4300	U
99-09-2	3-Nitroaniline	8800	U
83-32-9	Acenaphthene	1900	DJ
51-28-5	2,4-Dinitrophenol	8800	U
100-02-7	4-Nitrophenol	8800	U
132-64-9	Dibenzofuran	1000	DJ

EL 8/29/11

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-BDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4939.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	4300	U
84-66-2	Diethylphthalate	4300	U
7005-72-3	4-Chlorophenyl-phenylether	4300	U
86-73-7	Fluorene	1900	DJ
100-01-6	4-Nitroaniline	8800	U
534-52-1	4,6-Dinitro-2-methylphenol	8800	U
86-30-6	N-Nitrosodiphenylamine	4300	U
101-55-3	4-Bromophenyl-phenylether	4300	U
118-74-1	Hexachlorobenzene	4300	U
87-86-5	Pentachlorophenol	8800	U
85-01-8	Phenanthrene	17000	D
120-12-7	Anthracene	3000	DJ
86-74-8	Carbazole	2500	DJ
84-74-2	Di-n-butylphthalate	4300	U
206-44-0	Fluoranthene	24000	D
129-00-0	Pyrene	18000	D
85-68-7	Butylbenzylphthalate	4300	U
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)anthracene	11000	D
218-01-9	Chrysene	13000	D
117-81-7	Bis(2-ethylhexyl)phthalate	4300	U
117-84-0	Di-n-octylphthalate	4300	U
205-99-2	Benzo(b)fluoranthene	15000	D
207-08-9	Benzo(k)fluoranthene	5900	D
50-32-8	Benzo(a)pyrene	11000	D
193-39-5	Indeno(1,2,3-cd)pyrene	5700	D
53-70-3	Dibenzo(a,h)anthracene	1800	DJ
191-24-2	Benzo(g,h,i)perylene	6100	D

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-BDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-12ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4939.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	2531-84-2	Phenanthrene, 2-methyl-	8.383	2300	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.453	3000	DNJ
03	84-65-1	9,10-Anthracenedione	8.618	3300	DNJ
04	781-43-1	9,10-Dimethylanthracene	8.816	2000	DNJ
05	243-17-4	11H-Benzo[b]fluorene	9.393	1800	DNJ
06		Unknown	11.968	2200	DJ

[2]EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4907.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	UJ
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	940	
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
~~83-32-9~~	~~Acenaphthene~~	~~3700~~	E
51-28-5	2,4-Dinitrophenol	790	UJ
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	2600	

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1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4907.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	UJ
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	3900	E
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	UJ
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	13000	E
120-12-7	Anthracene	5400	E
86-74-8	Carbazole	3900	E
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	12000	E
129-00-0	Pyrene	11000	E
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3´-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	8800	E
218-01-9	Chrysene	6700	E
117-81-7	Bis(2-ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	10000	E
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	8300	E
193-39-5	Indeno(1,2,3-cd)pyrene	6300	E
53-70-3	Dibenzo(a,h)anthracene	2500	
191-24-2	Benzo(g,h,i)perylene	7000	E

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1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4907.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	832-69-9	Phenanthrene, 1-methyl-	8.793	2400	NJ
02	610-48-0	Anthracene, 1-methyl-	8.820	3200	NJ
03	203-64-5	4H-Cyclopenta[def]phenanthre	8.890	410	NJ
04	84-65-1	9,10-Anthracenedione	9.060	160	NJ
05	238-84-6	11H-Benzo[a]fluorene	9.835	290	NJ
06	2381-21-7	Pyrene, 1-methyl-	9.889	250	NJ
07	3442-78-2	Pyrene, 2-methyl-	9.915	160	NJ
08	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.332	180	NJ
09		Unknown (10.64708)	10.647	280	J
10	2498-77-3	Benz[a]anthracene, 1-methyl-	10.866	170	NJ
11		Unknown (11.64072)	11.641	8600	J

[2] EPA-designated Registry Number.

EL
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1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-CDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4940.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7700	U
111-44-4	Bis(2-chloroethyl)ether	7700	U
95-57-8	2-Chlorophenol	7700	U
541-73-1	1,3-Dichlorobenzene	7700	U
106-46-7	1,4-Dichlorobenzene	7700	U
95-50-1	1,2-Dichlorobenzene	7700	U
95-48-7	2-Methylphenol	7700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7700	U
106-44-5	4-Methylphenol	7700	U
621-64-7	N-Nitroso-di-n-propylamine	7700	U
67-72-1	Hexachloroethane	7700	U
98-95-3	Nitrobenzene	7700	U
78-59-1	Isophorone	7700	U
88-75-5	2-Nitrophenol	7700	U
105-67-9	2,4-Dimethylphenol	7700	U
120-83-2	2,4-Dichlorophenol	7700	U
120-82-1	1,2,4-Trichlorobenzene	7700	U
91-20-3	Naphthalene	1200	DJ
106-47-8	4-Chloroaniline	7700	U
111-91-1	Bis(2-chloroethoxy)methane	7700	U
87-68-3	Hexachlorobutadiene	7700	U
59-50-7	4-Chloro-3-methylphenol	7700	U
91-57-6	2-Methylnaphthalene	7700	U
77-47-4	Hexachlorocyclopentadiene	7700	U
88-06-2	2,4,6-Trichlorophenol	7700	U
95-95-4	2,4,5-Trichlorophenol	16000	U
91-58-7	2-Chloronaphthalene	7700	U
88-74-4	2-Nitroaniline	16000	U
131-11-3	Dimethylphthalate	7700	U
208-96-8	Acenaphthylene	7700	U
606-20-2	2,6-Dinitrotoluene	7700	U
99-09-2	3-Nitroaniline	16000	U
83-32-9	Acenaphthene	3700	DJ
51-28-5	2,4-Dinitrophenol	16000	U
100-02-7	4-Nitrophenol	16000	U
132-64-9	Dibenzofuran	2500	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-CDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4940.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	7700	U
84-66-2	Diethylphthalate	7700	U
7005-72-3	4-Chlorophenyl-phenylether	7700	U
86-73-7	Fluorene	4200	DJ
100-01-6	4-Nitroaniline	16000	U
534-52-1	4,6-Dinitro-2-methylphenol	16000	U
86-30-6	N-Nitrosodiphenylamine	7700	U
101-55-3	4-Bromophenyl-phenylether	7700	U
118-74-1	Hexachlorobenzene	7700	U
87-86-5	Pentachlorophenol	16000	U
85-01-8	Phenanthrene	36000	D
120-12-7	Anthracene	7700	D
86-74-8	Carbazole	4700	DJ
84-74-2	Di-n-butylphthalate	7700	U
206-44-0	Fluoranthene	40000	D
129-00-0	Pyrene	28000	D
85-68-7	Butylbenzylphthalate	7700	U
91-94-1	3,3'-Dichlorobenzidine	7700	U
56-55-3	Benzo(a)anthracene	14000	D
218-01-9	Chrysene	13000	D
117-81-7	Bis(2-ethylhexyl)phthalate	7700	U
117-84-0	Di-n-octylphthalate	7700	U
205-99-2	Benzo(b)fluoranthene	16000	D
207-08-9	Benzo(k)fluoranthene	5400	DJ
50-32-8	Benzo(a)pyrene	12000	D
193-39-5	Indeno(1,2,3-cd)pyrene	6000	DJ
53-70-3	Dibenzo(a,h)anthracene	1600	DJ
191-24-2	Benzo(g,h,i)perylene	6700	DJ

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1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-CDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-13ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4940.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/01/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	203-64-5	4H-Cyclopenta[def]phenanthre	8.442	4800	DNJ
02	84-65-1	9,10-Anthracenedione	8.603	4300	DNJ
03		Unknown	11.942	1700	DJ

[2] EPA-designated Registry Number.

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1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OUTFALL#1-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4908.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	Bis(2-chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	UJ
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	96	J
106-47-8	4-Chloroaniline	400	U
111-91-1	Bis(2-chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	61	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	810	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	810	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	810	U
83-32-9	Acenaphthene	460	
51-28-5	2,4-Dinitrophenol	810	UJ
100-02-7	4-Nitrophenol	810	U
132-64-9	Dibenzofuran	240	J

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OUTFALL#1-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4908.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	400	UJ
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	450	
100-01-6	4-Nitroaniline	810	U
534-52-1	4,6-Dinitro-2-methylphenol	810	UJ
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	810	U
~~85-01-8~~	~~Phenanthrene~~	~~3900~~	~~E~~
120-12-7	Anthracene	950	
86-74-8	Carbazole	690	
84-74-2	Di-n-butylphthalate	400	U
~~206-44-0~~	~~Fluoranthene~~	~~4900~~	~~E~~
~~129-00-0~~	~~Pyrene~~	~~4000~~	~~E~~
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3´-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	3100	
218-01-9	Chrysene	3000	
117-81-7	Bis(2-ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
~~205-99-2~~	~~Benzo(b)fluoranthene~~	~~4000~~	~~E~~
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	550	
191-24-2	Benzo(g,h,i)perylene	1600	

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1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4908.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (8.87877)	8.879	1000	J
02	238-84-6	11H-Benzo[a]fluorene	9.819	430	NJ
03	33543-31-6	Fluoranthene, 2-methyl-	9.878	250	NJ
04		Unknown (9.90445)	9.904	220	J
05		Unknown (9.97923)	9.979	180	J
06		Unknown (10.24100)	10.241	210	J
07	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.326	230	NJ
08		Unknown (10.37457)	10.375	210	J
09		Unknown (10.63098)	10.631	250	J
10	3351-32-4	Chrysene, 2-methyl-	10.861	200	NJ
11		Unknown (10.96753)	10.968	160	J

[2] EPA-designated Registry Number.

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1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OUTFALL#1-EDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4927.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	790	U
111-44-4	Bis(2-chloroethyl)ether	790	U
95-57-8	2-Chlorophenol	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U
95-48-7	2-Methylphenol	790	U
108-60-1	2,2'-oxybis(1-Chloropropane)	790	U
106-44-5	4-Methylphenol	790	U
621-64-7	N-Nitroso-di-n-propylamine	790	U
67-72-1	Hexachloroethane	790	U
98-95-3	Nitrobenzene	790	U
78-59-1	Isophorone	790	U
88-75-5	2-Nitrophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
120-83-2	2,4-Dichlorophenol	790	U
120-82-1	1,2,4-Trichlorobenzene	790	U
91-20-3	Naphthalene	790	U
106-47-8	4-Chloroaniline	790	U
111-91-1	Bis(2-chloroethoxy)methane	790	U
87-68-3	Hexachlorobutadiene	790	U
59-50-7	4-Chloro-3-methylphenol	790	U
91-57-6	2-Methylnaphthalene	790	U
77-47-4	Hexachlorocyclopentadiene	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	790	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	790	U
208-96-8	Acenaphthylene	790	U
606-20-2	2,6-Dinitrotoluene	790	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	440	DJ
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	240	DJ

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1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#1-EDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4927.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	790	U
84-66-2	Diethylphthalate	790	U
7005-72-3	4-Chlorophenyl-phenylether	790	U
86-73-7	Fluorene	430	DJ
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine	790	U
101-55-3	4-Bromophenyl-phenylether	790	U
118-74-1	Hexachlorobenzene	790	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	4300	D
120-12-7	Anthracene	890	D
86-74-8	Carbazole	660	DJ
84-74-2	Di-n-butylphthalate	790	U
206-44-0	Fluoranthene	6200	D
129-00-0	Pyrene	4800	D
85-68-7	Butylbenzylphthalate	790	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)anthracene	3300	D
218-01-9	Chrysene	3300	D
117-81-7	Bis(2-ethylhexyl)phthalate	790	U
117-84-0	Di-n-octylphthalate	790	U
205-99-2	Benzo(b)fluoranthene	3600	D
207-08-9	Benzo(k)fluoranthene	1900	D
50-32-8	Benzo(a)pyrene	2900	D
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D
53-70-3	Dibenzo(a,h)anthracene	500	DJ
191-24-2	Benzo(g,h,i)perylene	1500	D

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#1-EDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-14ADL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4927.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/29/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	8.445	550	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	8.509	700	DNJ
03	84-65-1	9,10-Anthracenedione	8.674	860	DNJ
04	238-84-6	11H-Benzo[a]fluorene	9.449	430	DNJ
05		Unknown (9.94572)	9.946	340	DJ
06	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	10.240	350	DNJ
07		Unknown (10.59212)	10.592	330	DJ
08	112-84-5	13-Docosenamide, (Z)-	10.811	520	DNJ
09		Unknown (11.13700)	11.137	370	DJ

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4909.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2´-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	UJ
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	760	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	760	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	760	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	760	UJ
100-02-7	4-Nitrophenol	760	U
132-64-9	Dibenzofuran	380	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4909.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	UJ
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	760	U
534-52-1	4,6-Dinitro-2-methylphenol	760	UJ
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	89	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	140	J
117-81-7	Bis(2-ethylhexyl)phthalate	290	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	77	J
50-32-8	Benzo(a)pyrene	100	J
193-39-5	Indeno(1,2,3-cd)pyrene	63	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	78	J

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-15A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3H4909.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	13798-23-7	Sulfur	7.351	310	NJ
02	57-10-3	n-Hexadecanoic acid	8.799	240	NJ
03	112-84-5	13-Docosenamide, (Z)-	11.150	470	NJ
04		Unknown (12.16985)	12.170	470	J
05		Unknown (12.46368)	12.464	450	J

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-16A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3H4912.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	UJ
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	780	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	780	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	780	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	780	UJ
100-02-7	4-Nitrophenol	780	U
132-64-9	Dibenzofuran	390	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-16A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3H4912.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	UJ
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	780	U
534-52-1	4,6-Dinitro-2-methylphenol	780	UJ
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	430	
129-00-0	Pyrene	360	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	250	J
117-81-7	Bis(2-ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	310	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	210	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	150	J

EL 8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-B

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-16A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3H4912.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	8.826	230	NJ
02	112-84-5	13-Docosenamide, (Z)-	11.166	520	NJ
03		Unknown	12.197	550	J

[2]EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-17A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4913.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2´-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	UJ
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	770	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	770	UJ
100-02-7	4-Nitrophenol	770	U
132-64-9	Dibenzofuran	380	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OUTFALL#2-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-17A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4913.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	380	UJ
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	770	U
534-52-1	4,6-Dinitro-2-methylphenol	770	UJ
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	64	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3´-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	76	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	92	J

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8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-17A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3H4913.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	8.830	180	NJ
02	112-84-5	13-Docosenamide, (Z)-	11.175	600	NJ

[2]EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL#2-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-18A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3H4914.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	UJ
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	790	UJ
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	390	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OUTFALL#2-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-18A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3H4914.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	UJ
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	UJ
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	92	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	180	J
117-81-7	Bis(2-ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	91	J
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	90	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	100	J

EL 8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL#2-E

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-18A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3H4914.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/22/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/28/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/28/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	8.832	170	NJ
02	112-84-5	13-Docosenamide, (Z)-	11.178	560	NJ
03		Unknown	12.203	340	J
04	1000285-40-2	.beta.-iso-Methyl ionone	12.497	260	NJ

[2]EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3629.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	UJ
111-44-4	Bis(2-chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	6900	J
106-47-8	4-Chloroaniline	1500	UJ
111-91-1	Bis(2-chloroethoxy)methane	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	4700	J
77-47-4	Hexachlorocyclopentadiene	1500	UJ
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3100	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3100	U
~~83-32-9~~	~~Acenaphthene~~	~~21000~~	~~E~~
51-28-5	2,4-Dinitrophenol	3100	UJ
100-02-7	4-Nitrophenol	3100	UJ
132-64-9	Dibenzofuran	11000	J

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3629.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	1500	U J
84-66-2	Diethylphthalate	1500	U J
7005-72-3	4-Chlorophenyl-phenylether	1500	U J
86-73-7	Fluorene	19000	E
100-01-6	4-Nitroaniline	3100	U J
534-52-1	4,6-Dinitro-2-methylphenol	3100	U
86-30-6	N-Nitrosodiphenylamine	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3100	U
85-01-8	Phenanthrene	130000	E
120-12-7	Anthracene	32000	E
86-74-8	Carbazole	25000	E
84-74-2	Di-n-butylphthalate	1500	U J
206-44-0	Fluoranthene	160000	E
129-00-0	Pyrene	110000	E
85-68-7	Butylbenzylphthalate	1500	U J
91-94-1	3,3'-Dichlorobenzidine	1500	U J
56-55-3	Benzo(a)anthracene	92000	E
218-01-9	Chrysene	63000	E
117-81-7	Bis(2-ethylhexyl)phthalate	1500	U J
117-84-0	Di-n-octylphthalate	1500	U J
205-99-2	Benzo(b)fluoranthene	91000	E
207-08-9	Benzo(k)fluoranthene	28000	E
50-32-8	Benzo(a)pyrene	69000	E
193-39-5	Indeno(1,2,3-cd)pyrene	37000	E
53-70-3	Dibenzo(a,h)anthracene	10000	J
191-24-2	Benzo(g,h,i)perylene	40000	E

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8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3629.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	268-77-9	Naphtho[2,3-b]thiophene	8.750	8100	NJ
02		Unknown	8.915	23000	J
03	779-02-2	Anthracene, 9-methyl-	9.256	9900	NJ
04	832-64-4	Phenanthrene, 4-methyl-	9.279	13000	NJ
05	203-64-5	4H-Cyclopenta[def]phenanthre	9.356	27000	NJ
06	243-17-4	11H-Benzo[b]fluorene (10.354	10.354	1100	NJ
07	243-17-4	11H-Benzo[b]fluorene (10.413	10.413	850	NJ
08	3442-78-2	Pyrene, 2-methyl-	10.443	690	NJ
09	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.901	620	NJ
10	27208-37-3	Cyclopenta[cd]pyrene	10.960	680	NJ
11	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	11.259	700	NJ
12	1705-84-6	Triphenylene, 2-methyl-	11.512	680	NJ
13	23837-35-6	o-(p-(Dimethylamino)benzylid	11.665	890	NJ
14	213-46-7	1,2:7,8-Dibenzophenanthrene	14.438	10000	NJ

[2]EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3665.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 200.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	76000	U
111-44-4	Bis(2-chloroethyl)ether	76000	U
95-57-8	2-Chlorophenol	76000	U
541-73-1	1,3-Dichlorobenzene	76000	U
106-46-7	1,4-Dichlorobenzene	76000	U
95-50-1	1,2-Dichlorobenzene	76000	U
95-48-7	2-Methylphenol	76000	U
108-60-1	2,2' oxybis(1-Chloropropane)	76000	U
106-44-5	4-Methylphenol	76000	U
621-64-7	N-Nitroso-di-n-propylamine	76000	U
67-72-1	Hexachloroethane	76000	U
98-95-3	Nitrobenzene	76000	U
78-59-1	Isophorone	76000	U
88-75-5	2-Nitrophenol	76000	U
105-67-9	2,4-Dimethylphenol	76000	U
120-83-2	2,4-Dichlorophenol	76000	U
120-82-1	1,2,4-Trichlorobenzene	76000	U
91-20-3	Naphthalene	76000	U
106-47-8	4-Chloroaniline	76000	U
111-91-1	Bis(2-chloroethoxy)methane	76000	U
87-68-3	Hexachlorobutadiene	76000	U
59-50-7	4-Chloro-3-methylphenol	76000	U
91-57-6	2-Methylnaphthalene	76000	U
77-47-4	Hexachlorocyclopentadiene	76000	U
88-06-2	2,4,6-Trichlorophenol	76000	U
95-95-4	2,4,5-Trichlorophenol	150000	U
91-58-7	2-Chloronaphthalene	76000	U
88-74-4	2-Nitroaniline	150000	U
131-11-3	Dimethylphthalate	76000	U
208-96-8	Acenaphthylene	76000	U
606-20-2	2,6-Dinitrotoluene	76000	U
99-09-2	3-Nitroaniline	150000	U
83-32-9	Acenaphthene	23000	DJ
51-28-5	2,4-Dinitrophenol	150000	U
100-02-7	4-Nitrophenol	150000	U
132-64-9	Dibenzofuran	14000	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3665.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 200.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	76000	U
84-66-2	Diethylphthalate	76000	U
7005-72-3	4-Chlorophenyl phenylether	76000	U
86-73-7	Fluorene	24000	DJ
100-01-6	4-Nitroaniline	150000	U
534-52-1	4,6-Dinitro-2-methylphenol	150000	U
86-30-6	N-Nitrosodiphenylamine	76000	U
101-55-3	4-Bromophenyl-phenylether	76000	U
118-74-1	Hexachlorobenzene	76000	U
87-86-5	Pentachlorophenol	150000	U
85-01-8	Phenanthrene	190000	DJ
120-12-7	Anthracene	39000	DJ
86-74-8	Carbazole	28000	DJ
84-74-2	Di-n-butylphthalate	76000	U
206-44-0	Fluoranthene	230000	DJ
129-00-0	Pyrene	180000	DJ
85-68-7	Butylbenzylphthalate	76000	U
91-94-1	3,3'-Dichlorobenzidine	76000	U
56-55-3	Benzo(a)anthracene	82000	DJ
218-01-9	Chrysene	90000	DJ
117-81-7	Bis(2-ethylhexyl)phthalate	76000	U
117-84-0	Di-n-octylphthalate	76000	U
205-99-2	Benzo(b)fluoranthene	110000	DJ
207-08-9	Benzo(k)fluoranthene	36000	DJ
50-32-8	Benzo(a)pyrene	75000	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	37000	DJ
53-70-3	Dibenzo(a,h)anthracene	8900	DJ
191-24-2	Benzo(g,h,i)perylene	40000	DJ

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-19ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S6A3665.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 200.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	9.284	38000	DJ

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3630.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	UJ
111-44-4	Bis(2-chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	69	J
621-64-7	N-Nitroso-di-n-propylamine	450	UJ
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	2300	J
106-47-8	4-Chloroaniline	450	UJ
111-91-1	Bis(2-chloroethoxy)methane	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	1200	J
77-47-4	Hexachlorocyclopentadiene	450	UJ
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	140	J
606-20-2	2,6-Dinitrotoluene	450	UJ
99-09-2	3-Nitroaniline	910	UJ
~~83-32-9~~	~~Acenaphthene~~	~~3800~~	~~E~~
51-28-5	2,4-Dinitrophenol	910	UJ
100-02-7	4-Nitrophenol	910	UJ
132-64-9	Dibenzofuran	3000	J

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EL 8/29/11

SW846

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3630.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	450	UJ
84-66-2	Diethylphthalate	450	UJ
7005-72-3	4-Chlorophenyl-phenylether	450	UJ
86-73-7	Fluorene	4000	E
100-01-6	4-Nitroaniline	910	UJ
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	31000	E
120-12-7	Anthracene	6400	E
86-74-8	Carbazole	5500	E
84-74-2	Di-n-butylphthalate	450	UJ
206-44-0	Fluoranthene	33000	E
129-00-0	Pyrene	24000	E
85-68-7	Butylbenzylphthalate	450	UJ
91-94-1	3,3'-Dichlorobenzidine	450	UJ
56-55-3	Benzo(a)anthracene	14000	E
218-01-9	Chrysene	15000	E
117-81-7	Bis(2-ethylhexyl)phthalate	3200	J
117-84-0	Di-n-octylphthalate	2800	J
205-99-2	Benzo(b)fluoranthene	17000	E
207-08-9	Benzo(k)fluoranthene	4700	E
50-32-8	Benzo(a)pyrene	11000	E
193-39-5	Indeno(1,2,3-cd)pyrene	6000	E
53-70-3	Dibenzo(a,h)anthracene	2200	J
191-24-2	Benzo(g,h,i)perylene	5700	E

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-D

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3630.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	132-65-0	Dibenzothiophene	8.750	1800	NJ
02	779-02-2	Anthracene, 9-methyl-	9.256	1900	NJ
03	610-48-0	Anthracene, 1-methyl-	9.279	2800	NJ
04	203-64-5	4H-Cyclopenta[def]phenanthre	9.356	4900	NJ
05	84-65-1	9,10-Anthracenedione	9.532	310	NJ
06	2381-21-7	Pyrene, 1-methyl- (10.24872)	10.249	190	NJ
07	243-17-4	11H-Benzo[b]fluorene	10.343	300	NJ
08	2381-21-7	Pyrene, 1-methyl- (10.40148)	10.401	190	NJ
09	2381-21-7	Pyrene, 1-methyl- (10.43085)	10.431	190	NJ
10	479-79-8	11H-Benzo[a]fluoren-11-one	10.795	210	NJ
11	239-35-0	Benzo[b]naphtho[2,1-d]thioph	10.895	350	NJ
12	217-59-4	Triphenylene	11.177	1300	NJ
13	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	11.242	210	NJ
14	2541-69-7	Benz[a]anthracene, 7-methyl-	11.494	220	NJ
15	119-07-3	1,2-Benzenedicarboxylic acid	12.429	390	NJ
16	88216-58-4	Phthalic acid, heptyl octyl	13.316	230	NJ
17	135-48-8	Pentacene	14.003	230	NJ

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-DDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3666.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9000	U
111-44-4	Bis(2-chloroethyl)ether	9000	U
95-57-8	2-Chlorophenol	9000	U
541-73-1	1,3-Dichlorobenzene	9000	U
106-46-7	1,4-Dichlorobenzene	9000	U
95-50-1	1,2-Dichlorobenzene	9000	U
95-48-7	2-Methylphenol	9000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9000	U
106-44-5	4-Methylphenol	9000	U
621-64-7	N-Nitroso-di-n-propylamine	9000	U
67-72-1	Hexachloroethane	9000	U
98-95-3	Nitrobenzene	9000	U
78-59-1	Isophorone	9000	U
88-75-5	2-Nitrophenol	9000	U
105-67-9	2,4-Dimethylphenol	9000	U
120-83-2	2,4-Dichlorophenol	9000	U
120-82-1	1,2,4-Trichlorobenzene	9000	U
91-20-3	Naphthalene	2900	DJ
106-47-8	4-Chloroaniline	9000	U
111-91-1	Bis(2-chloroethoxy)methane	9000	U
87-68-3	Hexachlorobutadiene	9000	U
59-50-7	4-Chloro-3-methylphenol	9000	U
91-57-6	2-Methylnaphthalene	1700	DJ
77-47-4	Hexachlorocyclopentadiene	9000	U
88-06-2	2,4,6-Trichlorophenol	9000	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	9000	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	9000	U
208-96-8	Acenaphthylene	9000	U
606-20-2	2,6-Dinitrotoluene	9000	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	4800	ØJ
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	4000	DJ

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #1-DDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3666.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
~~121-14-2~~	~~2,4-Dinitrotoluene~~	~~9000~~	~~U~~
~~84-66-2~~	~~Diethylphthalate~~	~~9000~~	~~U~~
~~7005-72-3~~	~~4-Chlorophenyl-phenylether~~	~~9000~~	~~U~~
86-73-7	Fluorene	5700	~~D~~J
~~100-01-6~~	~~4-Nitroaniline~~	~~18000~~	~~U~~
~~534-52-1~~	~~4,6-Dinitro-2-methylphenol~~	~~18000~~	~~U~~
~~86-30-6~~	~~N-Nitrosodiphenylamine~~	~~9000~~	~~U~~
~~101-55-3~~	~~4-Bromophenyl-phenylether~~	~~9000~~	~~U~~
~~118-74-1~~	~~Hexachlorobenzene~~	~~9000~~	~~U~~
~~87-86-5~~	~~Pentachlorophenol~~	~~18000~~	~~U~~
85-01-8	Phenanthrene	49000	~~D~~ J
120-12-7	Anthracene	7800	~~D~~J
86-74-8	Carbazole	7100	~~D~~J
~~84-74-2~~	~~Di-n-butylphthalate~~	~~9000~~	~~U~~
206-44-0	Fluoranthene	55000	~~D~~ J
129-00-0	Pyrene	40000	~~D~~ J
~~85-68-7~~	~~Butylbenzylphthalate~~	~~9000~~	~~U~~
~~91-94-1~~	~~3,3'-Dichlorobenzidine~~	~~9000~~	~~U~~
56-55-3	Benzo(a)anthracene	17000	~~D~~ J
218-01-9	Chrysene	19000	~~D~~ J
~~117-81-7~~	~~Bis(2-ethylhexyl)phthalate~~	~~4300~~	~~D~~J
~~117-84-0~~	~~Di-n-octylphthalate~~	~~4700~~	~~D~~J
205-99-2	Benzo(b)fluoranthene	19000	~~D~~ J
207-08-9	Benzo(k)fluoranthene	9600	~~D~~ J
50-32-8	Benzo(a)pyrene	14000	~~D~~ J
193-39-5	Indeno(1,2,3-cd)pyrene	6800	~~D~~J
~~53-70-3~~	~~Dibenzo(a,h)anthracene~~	~~1800~~	~~D~~J
191-24-2	Benzo(g,h,i)perylene	7000	~~D~~J

EL
8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #1-DDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-20ADL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S6A3666.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/08/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	610-48-0	Anthracene, 1-methyl-	9.214	4000	DNJ
02	203-64-5	4H-Cyclopenta[def]phenanthre	9.284	7800	DNJ
03	84-65-1	9,10-Anthracenedione	9.454	5600	DNJ
04		Unknown	12.322	5900	DJ

[2] EPA-designated Registry Number.

EL
8/29/11

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #2-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-21A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S6A3631.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	UJ
111-44-4	Bis(2-chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
111-91-1	Bis(2-chloroethoxy)methane	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	390	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OUTFALL #2-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-21A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S6A3631.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	390	U J
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	390	U J
86-74-8	Carbazole	390	U J
84-74-2	Di-n-butylphthalate	390	U J
206-44-0	Fluoranthene	590	J
129-00-0	Pyrene	470	J
85-68-7	Butylbenzylphthalate	390	U J
91-94-1	3,3'-Dichlorobenzidine	390	U J
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	270	J
117-81-7	Bis(2-ethylhexyl)phthalate	190	J
117-84-0	Di-n-octylphthalate	390	U J
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	42	J
191-24-2	Benzo(g,h,i)perylene	180	J

EL 8/29/11

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

OUTFALL #2-C

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: K1310 Mod. Ref No.: SDG No.: SK1310

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: K1310-21A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S6A3631.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/30/2011

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/03/2011

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/05/2011

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	7785-70-8	1R-.alpha.-Pinene	4.526	160	NJ
02	57-10-3	n-Hexadecanoic acid	9.273	290	NJ

[2] EPA-designated Registry Number.

EL
8/29/11

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BLIND DUP

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-08

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	206		U	P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	10.6	~~B~~	J	P
7440-39-3	Barium	124	~~B~~	J	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	5.2			P
7440-70-2	Calcium	219000			P
7440-47-3	Chromium	1.0	~~B~~	U	P
7440-48-4	Cobalt	2.0	~~B~~	J	P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	494			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	47600			P
7439-96-5	Manganese	29.3	~~B~~	J	P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.3	~~B~~	J	P
7440-09-7	Potassium	1930			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	268000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	31.4	~~B~~	U	P

EL
8/29/11

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND DUPLICATE

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-11

Level (low/med): MED Date Received: 07/22/2011

% Solids: 84.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3610			P
7440-36-0	Antimony	1.5		~~N~~ J	P
7440-38-2	Arsenic	5.7			P
7440-39-3	Barium	24.2			P
7440-41-7	Beryllium	0.18	~~B~~	J	P
7440-43-9	Cadmium	0.025	~~B~~	J	P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	16.1		~~*~~ J	P
7440-48-4	Cobalt	3.6		~~E~~ J	P
7440-50-8	Copper	116			P
7439-89-6	Iron	18500			P
7439-92-1	Lead	15.3			P
7439-95-4	Magnesium	19400		~~*~~ J	P
7439-96-5	Manganese	1250			P
7439-97-6	Mercury	0.011	~~B~~	J	CV
7440-02-0	Nickel	12.4			P
7440-09-7	Potassium	433		~~E~~ J	P
7782-49-2	Selenium	0.53	U		P
7440-22-4	Silver	0.24	~~B~~	J	P
7440-23-5	Sodium	119		~~E~~ J	P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	12.8			P
7440-66-6	Zinc	1410		~~N~~ J	P

EL
8/29/11

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-09

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	138	~~B~~	J	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	287	~~B~~	J	P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	14.0	~~B~~	J	P

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-01

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-01

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	6.8	~~B~~	J	P
7440-39-3	Barium	19.1	~~B~~	J	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	217000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	108	~~B~~	U	P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	49600			P
7439-96-5	Manganese	645			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	2510			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	23300			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	7.9	~~B~~	U	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-02

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-02

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69.0	~~B~~	U	P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	6.1	~~B~~	J	P
7440-39-3	Barium	61.2	~~B~~	J	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	118000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	62.7	~~B~~	U	P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	46400			P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	2660			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	67200			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5.1	~~B~~	U	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-03

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-03

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	91.0	~~B~~ J		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	123000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	404			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	31700			P
7439-96-5	Manganese	157			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	1590			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	90000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	84.3			P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-04

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-04

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	~~B~~	U	P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	7.9	~~B~~	J	P
7440-39-3	Barium	124	~~B~~	J	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	6.1			P
7440-70-2	Calcium	214000			P
7440-47-3	Chromium	1.1	~~B~~	U	P
7440-48-4	Cobalt	2.1	~~B~~	J	P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	523			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	46800			P
7439-96-5	Manganese	21.2	~~B~~	J	P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.7	~~B~~	J	P
7440-09-7	Potassium	1910			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	263000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	29.8	~~B~~	U	P

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-05

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-05

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	155	~~B~~	U	P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	40.0			P
7440-39-3	Barium	487			P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	106000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.88	~~B~~	J	P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2990			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	34500			P
7439-96-5	Manganese	191			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.5	~~B~~	J	P
7440-09-7	Potassium	1480			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	191000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	33.2	~~B~~	U	P

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-1SP

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-06

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	12.9	~~B~~	J	P
7440-39-3	Barium	106	~~B~~	J	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	99200			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	228			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	24800			P
7439-96-5	Manganese	76.4			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.0	~~B~~	J	P
7440-09-7	Potassium	6050			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	213000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	28.7	~~B~~	J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW-2SP

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-07

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	20.4			P
7440-39-3	Barium	80.9	~~B~~	J	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	65400			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	3630			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	13800			P
7439-96-5	Manganese	500			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.87	~~B~~	J	P
7440-09-7	Potassium	1870			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	4250			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	15.9	~~B~~	U	P

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Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OUTFALL #1-A

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-19

Level (low/med): MED Date Received: 07/30/2011

% Solids: 85.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3790		J	P
7440-36-0	Antimony	0.26	U	J	P
7440-38-2	Arsenic	7.8		J	P
7440-39-3	Barium	25.2		J	P
7440-41-7	Beryllium	0.19		J	P
7440-43-9	Cadmium	0.010	U	J	P
7440-70-2	Calcium	76300		J	P
7440-47-3	Chromium	34.1		J	P
7440-48-4	Cobalt	4.2		J	P
7440-50-8	Copper	196		J	P
7439-89-6	Iron	23100		J	P
7439-92-1	Lead	16.4		J	P
7439-95-4	Magnesium	26200		J	P
7439-96-5	Manganese	589		J	P
7439-97-6	Mercury	0.0025	U	J	CV
7440-02-0	Nickel	20.1		J	P
7440-09-7	Potassium	517		J	P
7782-49-2	Selenium	0.44	U	J	P
7440-22-4	Silver	0.097	B	U	P
7440-23-5	Sodium	114		J	P
7440-28-0	Thallium	0.15	U	J	P
7440-62-2	Vanadium	12.5		J	P
7440-66-6	Zinc	282		J	P

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8/29/11

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL #1-D

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-20

Level (low/med): MED Date Received: 07/30/2011

% Solids: 73.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4960		J	P
7440-36-0	Antimony	0.29	U	J	P
7440-38-2	Arsenic	6.4		J	P
7440-39-3	Barium	44.3		J	P
7440-41-7	Beryllium	0.31		J	P
7440-43-9	Cadmium	0.012	U	J	P
7440-70-2	Calcium	64000		J	P
7440-47-3	Chromium	6.4		J	P
7440-48-4	Cobalt	5.1		J	P
7440-50-8	Copper	21.4		J	P
7439-89-6	Iron	16200		J	P
7439-92-1	Lead	11.0		J	P
7439-95-4	Magnesium	6430		J	P
7439-96-5	Manganese	912		J	P
7439-97-6	Mercury	0.0092	~~B~~	J	CV
7440-02-0	Nickel	8.5		J	P
7440-09-7	Potassium	495		J	P
7782-49-2	Selenium	0.49	U	J	P
7440-22-4	Silver	0.092	~~B~~	~~J~~ U	P
7440-23-5	Sodium	100		J	P
7440-28-0	Thallium	0.21	~~B~~	J	P
7440-62-2	Vanadium	14.7		J	P
7440-66-6	Zinc	94.2		J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL #2-C

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-21

Level (low/med): MED Date Received: 07/30/2011

% Solids: 83.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3310		J	P
7440-36-0	Antimony	0.29	U	J	P
7440-38-2	Arsenic	4.9		J	P
7440-39-3	Barium	23.9		J	P
7440-41-7	Beryllium	0.17	~~B~~	J	P
7440-43-9	Cadmium	0.029	~~B~~	J	P
7440-70-2	Calcium	109000		J	P
7440-47-3	Chromium	4.9		J	P
7440-48-4	Cobalt	3.6		J	P
7440-50-8	Copper	14.6		J	P
7439-89-6	Iron	9580		J	P
7439-92-1	Lead	8.4		J	P
7439-95-4	Magnesium	17400		J	P
7439-96-5	Manganese	626		J	P
7439-97-6	Mercury	0.0055	~~B~~	J	CV
7440-02-0	Nickel	7.9		J	P
7440-09-7	Potassium	461		J	P
7782-49-2	Selenium	1.1	~~B~~	J	P
7440-22-4	Silver	0.049	U	J	P
7440-23-5	Sodium	162		J	P
7440-28-0	Thallium	0.79		J	P
7440-62-2	Vanadium	7.2		J	P
7440-66-6	Zinc	115		J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#1-B

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-12

Level (low/med): MED Date Received: 07/22/2011

% Solids: 74.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3940			P
7440-36-0	Antimony	0.30	U	~~N~~ J	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	48.2			P
7440-41-7	Beryllium	0.22			P
7440-43-9	Cadmium	0.012	U		P
7440-70-2	Calcium	82800			P
7440-47-3	Chromium	6.3		~~N~~ J	P
7440-48-4	Cobalt	4.3		~~B~~ J	P
7440-50-8	Copper	24.6			P
7439-89-6	Iron	12300			P
7439-92-1	Lead	9.4			P
7439-95-4	Magnesium	7150		~~N~~ J	P
7439-96-5	Manganese	1390			P
7439-97-6	Mercury	0.0052	~~B~~	J	CV
7440-02-0	Nickel	9.2			P
7440-09-7	Potassium	512		~~B~~ J	P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	0.25	~~B~~	J	P
7440-23-5	Sodium	95.3		~~B~~ J	P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	8.0			P
7440-66-6	Zinc	208		~~N~~ J	P

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Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OUTFALL#1-C

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-13

Level (low/med): MED Date Received: 07/22/2011

% Solids: 84.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5550			P
7440-36-0	Antimony	0.50	~~B~~ ~~N~~ J		P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	44.0			P
7440-41-7	Beryllium	0.34			P
7440-43-9	Cadmium	0.0089	U		P
7440-70-2	Calcium	89600			P
7440-47-3	Chromium	8.0		~~*~~ J	P
7440-48-4	Cobalt	5.7		~~B~~ J	P
7440-50-8	Copper	20.6			P
7439-89-6	Iron	13700			P
7439-92-1	Lead	8.0			P
7439-95-4	Magnesium	23400		~~*~~ J	P
7439-96-5	Manganese	658			P
7439-97-6	Mercury	0.0058	~~B~~	J	CV
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	883		~~B~~ J	P
7782-49-2	Selenium	0.38	U		P
7440-22-4	Silver	0.10	~~B~~	J	P
7440-23-5	Sodium	141		~~B~~ J	P
7440-28-0	Thallium	0.13	U		P
7440-62-2	Vanadium	12.4			P
7440-66-6	Zinc	60.6		~~N~~ J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#1-E

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-14

Level (low/med): MED Date Received: 07/22/2011

% Solids: 81.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3770			P
7440-36-0	Antimony	0.35	~~B~~ ~~N~~ J		P
7440-38-2	Arsenic	4.8			P
7440-39-3	Barium	31.2			P
7440-41-7	Beryllium	0.19			P
7440-43-9	Cadmium	0.0099	U		P
7440-70-2	Calcium	114000			P
7440-47-3	Chromium	6.1		~~*~~ J	P
7440-48-4	Cobalt	3.8		~~E~~ J	P
7440-50-8	Copper	16.5			P
7439-89-6	Iron	10900			P
7439-92-1	Lead	9.3			P
7439-95-4	Magnesium	6300		~~*~~ J	P
7439-96-5	Manganese	768			P
7439-97-6	Mercury	0.0027	~~B~~	J	CV
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	446		~~E~~ J	P
7782-49-2	Selenium	0.42	U		P
7440-22-4	Silver	0.14	~~B~~	J	P
7440-23-5	Sodium	113		~~E~~ J	P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	9.0			P
7440-66-6	Zinc	86.6		~~N~~ J	P

EL 8/29/11

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-A

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-15

Level (low/med): MED Date Received: 07/22/2011

% Solids: 86.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1780			P
7440-36-0	Antimony	0.54	~~B~~	~~N~~ J	P
7440-38-2	Arsenic	4.8			P
7440-39-3	Barium	20.0			P
7440-41-7	Beryllium	0.13	~~B~~	J	P
7440-43-9	Cadmium	0.077	~~B~~	J	P
7440-70-2	Calcium	173000			P
7440-47-3	Chromium	3.6		~~*~~ J	P
7440-48-4	Cobalt	2.6		~~B~~ J	P
7440-50-8	Copper	9.5			P
7439-89-6	Iron	6130			P
7439-92-1	Lead	8.8			P
7439-95-4	Magnesium	26200		~~*~~ J	P
7439-96-5	Manganese	521			P
7439-97-6	Mercury	0.0077	~~B~~	J	CV
7440-02-0	Nickel	6.1			P
7440-09-7	Potassium	404		~~E~~ J	P
7782-49-2	Selenium	0.43	U		P
7440-22-4	Silver	0.059	~~B~~	~~J~~	P
7440-23-5	Sodium	175		~~E~~ J	P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	5.0			P
7440-66-6	Zinc	220		~~N~~ J	P

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8/29/11

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OUTFALL#2-B

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-16

Level (low/med): MED Date Received: 07/22/2011

% Solids: 85.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4050			P
7440-36-0	Antimony	0.38	U	~~N~~ J	P
7440-38-2	Arsenic	5.1			P
7440-39-3	Barium	25.0			P
7440-41-7	Beryllium	0.22	~~B~~	J	P
7440-43-9	Cadmium	0.015	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	6.5		~~*~~ J	P
7440-48-4	Cobalt	4.6		~~E~~ J	P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	9.7			P
7439-95-4	Magnesium	15000		~~*~~ J	P
7439-96-5	Manganese	620			P
7439-97-6	Mercury	0.0040	~~B~~	J	CV
7440-02-0	Nickel	9.4			P
7440-09-7	Potassium	493		~~E~~ J	P
7782-49-2	Selenium	0.64	U		P
7440-22-4	Silver	0.14	~~B~~	J	P
7440-23-5	Sodium	148		~~E~~ J	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	9.3			P
7440-66-6	Zinc	127		~~N~~ J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-D

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-17

Level (low/med): MED Date Received: 07/22/2011

% Solids: 86.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2960			P
7440-36-0	Antimony	0.34	~~B~~	~~N~~ J	P
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	19.4			P
7440-41-7	Beryllium	0.19	~~B~~	J	P
7440-43-9	Cadmium	0.013	U		P
7440-70-2	Calcium	113000			P
7440-47-3	Chromium	4.1		~~*~~ J	P
7440-48-4	Cobalt	3.0		~~E~~ J	P
7440-50-8	Copper	11.3			P
7439-89-6	Iron	11200			P
7439-92-1	Lead	7.3			P
7439-95-4	Magnesium	13700		~~*~~ J	P
7439-96-5	Manganese	625			P
7439-97-6	Mercury	0.0039	~~B~~	J	CV
7440-02-0	Nickel	6.5			P
7440-09-7	Potassium	411		~~E~~ J	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.10	~~B~~	J	P
7440-23-5	Sodium	267		~~E~~ J	P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	8.0			P
7440-66-6	Zinc	118		~~N~~ J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

OUTFALL#2-E

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): SOIL Lab Sample ID: K1310-18

Level (low/med): MED Date Received: 07/22/2011

% Solids: 83.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2450			P
7440-36-0	Antimony	0.45	U	~~N~~ J	P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	22.5			P
7440-41-7	Beryllium	0.17	~~B~~	J	P
7440-43-9	Cadmium	0.018	U		P
7440-70-2	Calcium	135000			P
7440-47-3	Chromium	4.0		* J	P
7440-48-4	Cobalt	2.9	~~B~~	~~E~~ J	P
7440-50-8	Copper	10.6			P
7439-89-6	Iron	7540			P
7439-92-1	Lead	9.7			P
7439-95-4	Magnesium	17400		* J	P
7439-96-5	Manganese	619			P
7439-97-6	Mercury	0.014	~~B~~	J	CV
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	495		~~E~~ J	P
7782-49-2	Selenium	0.76	U		P
7440-22-4	Silver	0.089	~~B~~	J	P
7440-23-5	Sodium	166		~~E~~ J	P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	6.9			P
7440-66-6	Zinc	139		~~N~~ J	P

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Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSATE BLANK

Lab Name: Spectrum Analytical, Inc. Contract: 209025.01

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SK1310

Matrix (soil/water): WATER Lab Sample ID: K1310-10

Level (low/med): MED Date Received: 07/22/2011

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.90	~~B~~	J	P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	103	~~B~~	J	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	259	~~B~~	J	P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	14.7	~~B~~	J	P

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8/29/11

Comments:

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix C

1-Month, 6-Month and 1-Year Vegetative Cover Documentation

1 Month Inspection Documentation

LABELLA Associates, P.C.

300 State Street
Rochester, New York 14614
Phone: (585) 454-6110
Fax: (585) 454-3066

SITE-WIDE INSPECTION FORM

Project Name: NYSDEC Site No. V00178-8
Location: Ultralife Corporation, 2000 Technology Parkway, Newark, New York 14513
Project No.: 209025
Inspected By: Seth Davis
Date of Inspection: August 18, 2010
Weather Conditions: sunny, ~75 degrees F

1. COMMNETS ON GENERAL SITE CONDITIONS: No visible signs of erosion were observed at the time of the Site visit. Erosion control measures (straw and jute mesh) remained in place. Seed germination was apparent, though minimal. Various ferns and other vegetation (present prior to remedial actions) were producing new growth in the remedial areas.

2. CURRENT USE OF SITE: Same as prior to remedial actions.

3. ARE CURRENT SOIL CONDITIONS IN ACCORDANCE WITH THE EXCAVATION WORK PLAN? NO

If No, Explain and indicate actions to be taken: Seed germination was minimal so more seed was spread and straw was reapplied.

4. PHOTOGRAPHS TAKEN OF OUTFALL AREAS? YES

5. SITE RECORDS UP TO DATE? YES

COMMENTS AND/OR ACTIONS TAKEN

5 additional drums of wastewater pumped from sumps prior to sediment removal. Staging areas seeded and mulched with straw. All residual dirt swept from asphalt following loading of staged materials.

View of Outfall #2.

View downgradient of Outfall #2.

View upgradient of Outfall #2.

View of upper extent of Outfall #2.

View upgradient of Outfall #2.

View of lower extent of Outfall #2.

6 Month Inspection Documentation

LABELLA Associates, P.C.

300 State Street
Rochester, New York 14614
Phone: (585) 454-6110
Fax: (585) 454-3066

SITE-WIDE INSPECTION FORM

Project Name: NYSDEC Site No. V00178-8
Location: Ultralife Corporation, 2000 Technology Parkway, Newark, New York 14513
Project No.: 209025
Inspected By: John Diggory (Ultralife Corp.)
Date of Inspection: January 14, 2011
Weather Conditions: sunny, ~35 degrees F

1. COMMNETS ON GENERAL SITE CONDITIONS: Ground covered with snow. No visible signs of erosion. Streams appears stable.

2. CURRENT USE OF SITE: Same as prior to remedial actions.

3. ARE CURRENT SOIL CONDITIONS IN ACCORDANCE WITH THE EXCAVATION WORK PLAN? unkown

If No, Explain and indicate actions to be taken: Ground covered with snow so vegetative cover could not be determined.

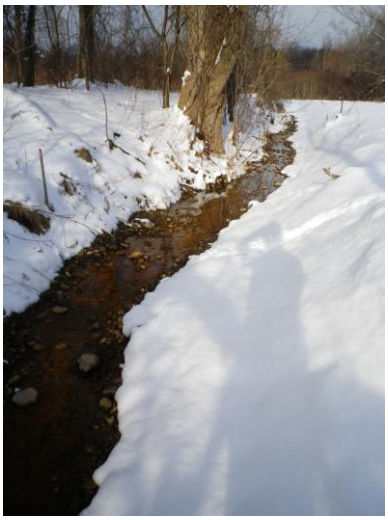
4. PHOTOGRAPHS TAKEN OF OUTFALL AREAS? YES

5. SITE RECORDS UP TO DATE? YES

COMMENTS AND/OR ACTIONS TAKEN

No additional actions taken.

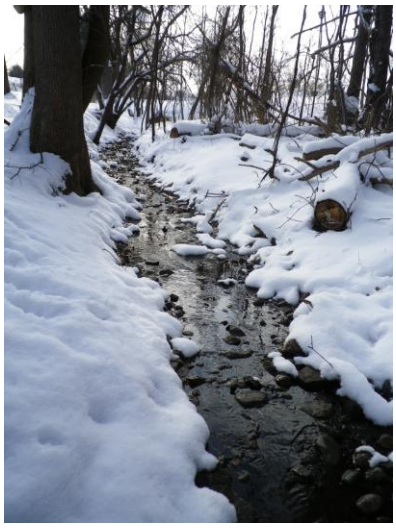
View of Outfall #1.



View downgradient of Outfall #1.

View upgradient of Outfall #1.

View of Outfall #2.



View upgradient of Outfall #2.

View downgradient of Outfall #2.

1 Year Inspection Documentation

LABELLA Associates, P.C.

300 State Street
Rochester, New York 14614
Phone: (585) 454-6110
Fax: (585) 454-3066

SITE-WIDE INSPECTION FORM

Project Name: NYSDEC Site No. V00178-8
Location: Ultralife Corporation, 2000 Technology Parkway, Newark, New York 14513
Project No.: 209025
Inspected By: Seth Davis (LaBella Associates.)
Date of Inspection: July 20, 2011
Weather Conditions: sunny, ~82 degrees F

1. COMMNETS ON GENERAL SITE CONDITIONS: Vegetation approximately 100%. No visible signs of erosion. Stream appears stable.

2. CURRENT USE OF SITE: Same as prior to remedial actions.

3. ARE CURRENT SOIL CONDITIONS IN ACCORDANCE WITH THE EXCAVATION WORK PLAN? Yes

If No, Explain and indicate actions to be taken:

4. PHOTOGRAPHS TAKEN OF OUTFALL AREAS? YES

5. SITE RECORDS UP TO DATE? YES

COMMENTS AND/OR ACTIONS TAKEN

No additional actions taken.

Ultralife Corporation
Remedial Program – 1 Year Inspection Photos

Former Access Road to Outfall #1

Former Outfall #1 Staging Area

Ultralife Corporation
Remedial Program – 1 Year Inspection Photos

Outfall #1 Upper Portion

Outfall #1 Lower Portion

Ultralife Corporation
Remedial Program – 1 Year Inspection Photos

Outfall #2 Lower Portion

Outfall #2 Upper Portion

Ultralife Corporation
Remedial Program – 1 Year Inspection Photos

Outfall #2 Streambed

LABELLA
LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Appendix D

Remedial Investigation Report
Groundwater Summary Tables

Groundwater Analysis Summary – Table 6
Metals and Total Cyanide
Ultralife Batteries, Inc.
Newark, New York

Metals Page 1 of 2	**MW-01** 7/2001	**MW-01** 4/2004	**MW-01** 11/2005	**MW-01** 5/2007	**MW-02** 7/2001	**MW-02** 4/2004	**MW-02** 11/2005	**MW-02** 5/2007	**Duplicate+** 5/2007	**MW-03** 7/2001	**MW-03** 4/2004	**MW-03** 11/2005	**MW-03** 5/2007	**NYSDEC GW Standards** (ppb)
Aluminum	997	*	1,140	1,070	4,250	*	19,100	ND	ND	3,580	*	2,340	147 **B**	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.1 B**	3
Arsenic	**25.3**	6	12.5	5.7 **B**	**27.3**	11	14.5	ND	ND	19.6	ND	ND	ND	25
Barium	70.3 **B**	*	27.7	8.7 **B**	65.5 **B**	*	145	66.8 **B**	66.5 **B**	54.1 B	*	120	74.4 **B**	1,000
Beryllium	ND	ND	ND	0.13 **B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
Cadmium	0.35 **B**	46	ND	ND	0.50 **B**	ND	ND	ND	0.20 **B**	ND	ND	5.90	2.2 **B**	150
Calcium	115,000	*	129,000	139,000	255,000	*	295,000	115,000	115,000	130,000	*	163,000	121,000	-
Chromium	3.5 **B**	ND	1.50	2.0 **B**	9.3 **B**	ND	25.0	ND	ND	6.5 B	ND	2.70	ND	50
Cobalt	1.8 **B**	*	1.90	ND	35. **B**	*	7.9	ND	ND	4.0 B	*	2.80	ND	-
Copper	ND	ND	ND	2.3 **B**	ND	ND	ND	ND	ND	3.1 B	ND	ND	ND	200
Iron	**12,300**	*	**13,900**	**2,590**	**5,930**	*	**16,400**	275	276	**5,750**	*	**2,530**	173	300
Lead	2.1 **B**	19	ND	ND	5.3	7	10.7	ND	ND	6.2	8	1.40	ND	25
Magnesium	**35,700**	*	**37,600**	34,500	**127,000**	*	**158,000**	**47,600**	**47,7 00**	**42,300**	*	**47,800**	32,200	35,000
Manganese	**1,760**	ND	**1,950**	**401**	153	158	239	8.4 **B**	8.3 **B**	225	**1,003**	188	69.0	300
Mercury	ND	ND	ND	ND	ND	ND	0.050	ND	ND	ND	ND	0.0300	ND	0.7
Nickel	2.5 **B**	ND	ND	ND	6.9 **B**	ND	15.7	ND	ND	6.1 B	ND	1.80	ND	100
Potassium	1,010 **B**	*	1,320	1,590 **B**	6,060	*	11,100	1,940 **B**	1,830 **B**	2,010 B	*	2,050	982 **B**	-
Selenium	ND	ND	ND	4.8 **B**	ND	ND	ND	6.7 **B**	6.5 **B**	ND	ND	ND	7.3 **B**	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	0.94 **B**	ND	ND	ND	ND	50
Sodium	**26,400**	*	**35,900**	**23,400**	**60,800**	*	**79,100**	**89,800**	**84,300**	**22,500**	*	**105,000**	**85,800**	20,000
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.1 B**	0.5
Vanadium	2.9 **B**	*	3.20	1.9 **B**	8.6 **B**	*	32.5	ND	ND	7.1 B	*	4.20	ND	-
Zinc	8.6 **B**	787	6.30	4.2 **B**	25.5	30	38.6	ND	ND	53.0	ND	35.9	145	2,000
Total Cyanide (mg/L)	ND	*	ND	*	ND	*	ND	*	*	ND	*	ND	*	

Notes:

1. NA = Not Applicable, ND = Less than laboratory detection limits, concentrations shown in shaded background indicate detection above New York State Department of Environmental Conservation (NYSDEC) groundwater standards.
2. * = Chemical compounds not analyzed during sampling round.
3. - = No standard available.
4. Concentrations are expressed in parts per billion (ppb), equivalent to ug/l.
5. + Indicates a duplicate sample of sample MW-2

Groundwater Analysis Summary – Table 6
Metals and Total Cyanide
Ultralife Batteries, Inc.
Newark, New York

Metals Page 2 of 2	**MW-04** 7/2001	**MW-04** 4/2004	**MW-04** 11/2005	**MW-04** 5/2007	**MW-05** 7/2001	**MW-05** 4/2004	**MW-05** 11/2005	**MW-05** 5/2007	**MW-01(SP)** 7/2001	**MW-01(SP)** 4/2004	**MW-01(SP)** 11/2005	**MW-01(SP)** 5/2007	**MW-02(SP)** 7/2001	**MW-02(SP)** 4/2004	**MW-02(SP)** 11/2005	**MW-02(SP)** 5/2007	**NYSDEC GW Standards** (ppb)
Aluminum	2,380	*	13,000	1,170	3,040	*	6,470	ND	3,220	*	5,050	ND	22.9 **B**	*	381	ND	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.6 B**	ND	ND	ND	ND	3
Arsenic	**58.5**	**34**	23.3	21.4	**144**	**156**	**135**	**32.5**	**26.5**	**32**	**33.0**	19.7	**58.7**	**266**	**101**	23.9	25
Barium	27.7 B	*	158	215	659	*	776	486	142 **B**	*	285	185 **B**	148 **B**	*	592	167 **B**	1000
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
Cadmium	ND	108	13.7	1.4 **B**	ND	ND	ND	ND	1.3 **B**	ND	ND	ND	0.31 **B**	ND	0.970	ND	150
Calcium	602,000	*	601,000	150,000	264,000	*	188,000	123,000	113,000	*	164,000	118,000	92,300	*	146,000	96,400	-
Chromium	6.1 B	11	16.1	2.1 **B**	6.4 B	ND	7.5	ND	8.2 **B**	ND	7.5	ND	1.8 **B**	ND	1.10	ND	50
Cobalt	3.4 B	*	9.10	5.3 **B**	5.9 B	*	4.3	ND	3.0 **B**	*	3.60	ND	3.5 **B**	*	1.70	ND	-
Copper	2.6 B	28	ND	ND	17.2 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Iron	**5,010**	*	**14,000**	**773**	**10,300**	*	**13,500**	**3,360**	**5,170**	*	**4,240**	95.4 **B**	**13,600**	*	**11,200**	**5,090**	300
Lead	ND	**32**	5.10	ND	8.1	10	7.6	ND	4.1	ND	4.10	ND	1.7 **B**	ND	ND	ND	25
Magnesium	**143,000**	*	**194,000**	**55,700**	**113,000**	*	**83,300**	**40,500**	**37,300**	*	**57,700**	32,500	16,900	*	32,900	18,100	35,000
Manganese	199	**848**	**355**	38.6	**553**	**369**	**315**	177	109	30	242	**319**	**947**	**860**	**929**	**619**	300
Mercury	ND	ND	0.0400	ND	ND	ND	0.0300	ND	ND	ND	0.0600	ND	ND	ND	ND	ND	0.7
Nickel	4.7 B	ND	10.0	ND	7.2 B	ND	6.0	0.60 **B**	5.8 **B**	ND	7.20	2.0 **B**	28.3 **B**	ND	2.20	ND	100
Potassium	3,460 B	*	7,850	2,010 **B**	2,700 B	*	4,080	1,100 **B**	8,630	*	10,600	5,510	4,510 B	*	4,740	2,180 **B**	-
Selenium	ND	ND	ND	ND	ND	ND	ND	7.2 **B**	ND	ND	ND	6.7 **B**	ND	ND	ND	6.4 **B**	10
Silver	ND	ND	ND	ND	ND	ND	ND	0.93 **B**	ND	ND	2.00	0.95 **B**	ND	ND	ND	ND	50
Sodium	**70,500**	*	**201,000**	**1,080,000**	**273,000**	*	**188,000**	**207,000**	**274,000**	*	**488,000**	**300,000**	6,300	*	11,600	**33,000**	20,000
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Vanadium	5.2 B	*	21.9	1.4 **B**	6.4 B	*	12.8	ND	6.3 **B**	*	8.70	ND	0.95 **B**	*	2.50	ND	-
Zinc	12.5 B	75	62.0	18.8 **B**	24.5	ND	139	75.4	49.0	ND	14.8	5.2 **B**	18.3 **B**	ND	10.2	ND	2,000

Total Cyanide (mg/L)	ND	*	ND		ND	*	ND	*	11.6	*	ND	*	3.2 **B**	*	ND	*	

Notes:
1. NA = Not Applicable, ND = Less than laboratory detection limits, Concentrations shown in bold type and shaded indicate values above New York State Department of Environmental Conservation (NYSDEC) groundwater standards.
2. * = Chemical compounds not analyzed during sampling round.
3. - = No standard available.
4. Concentrations are expressed in parts per billion (ppb), equivalent to ug/l.

LABELLA
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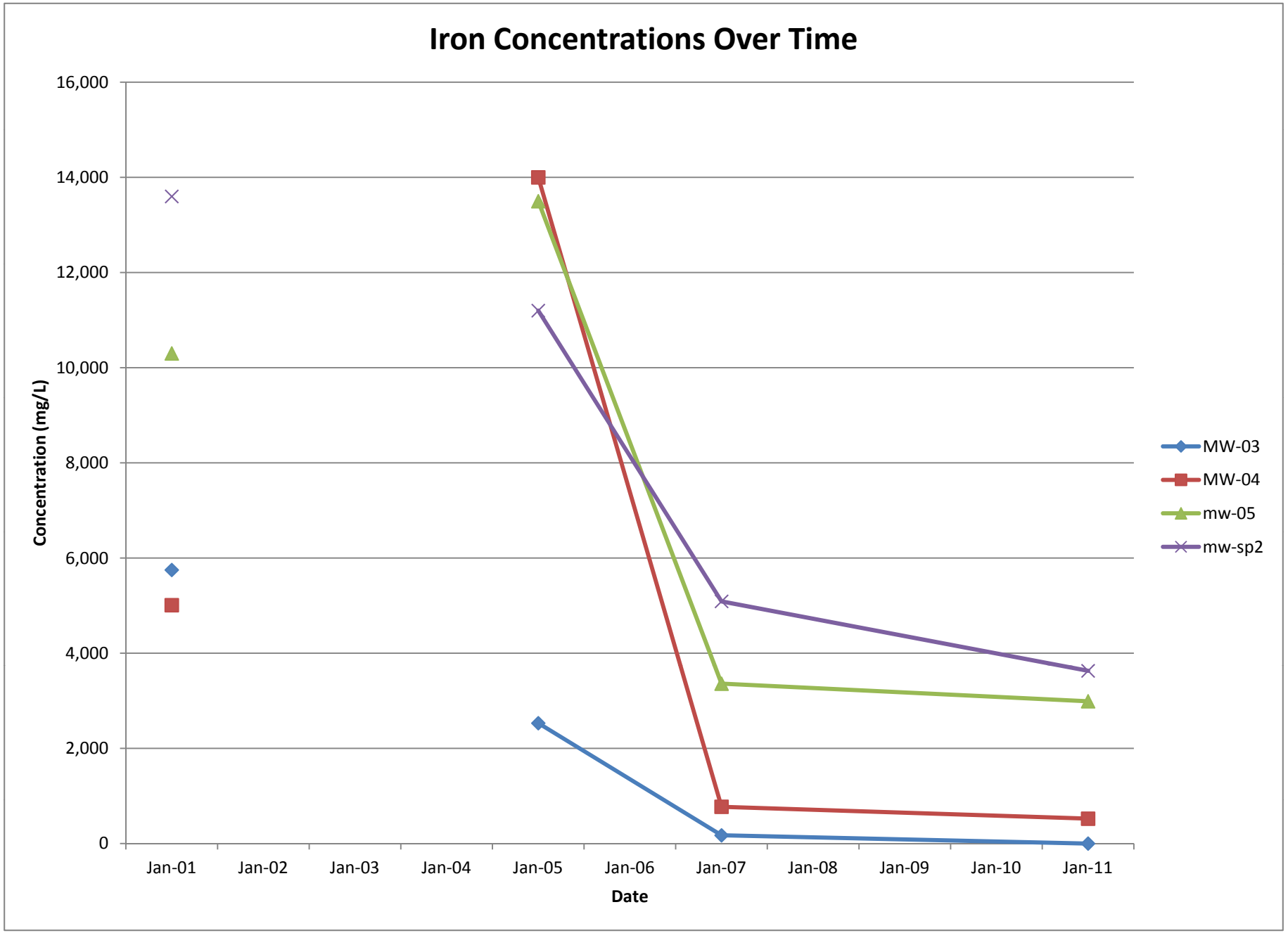
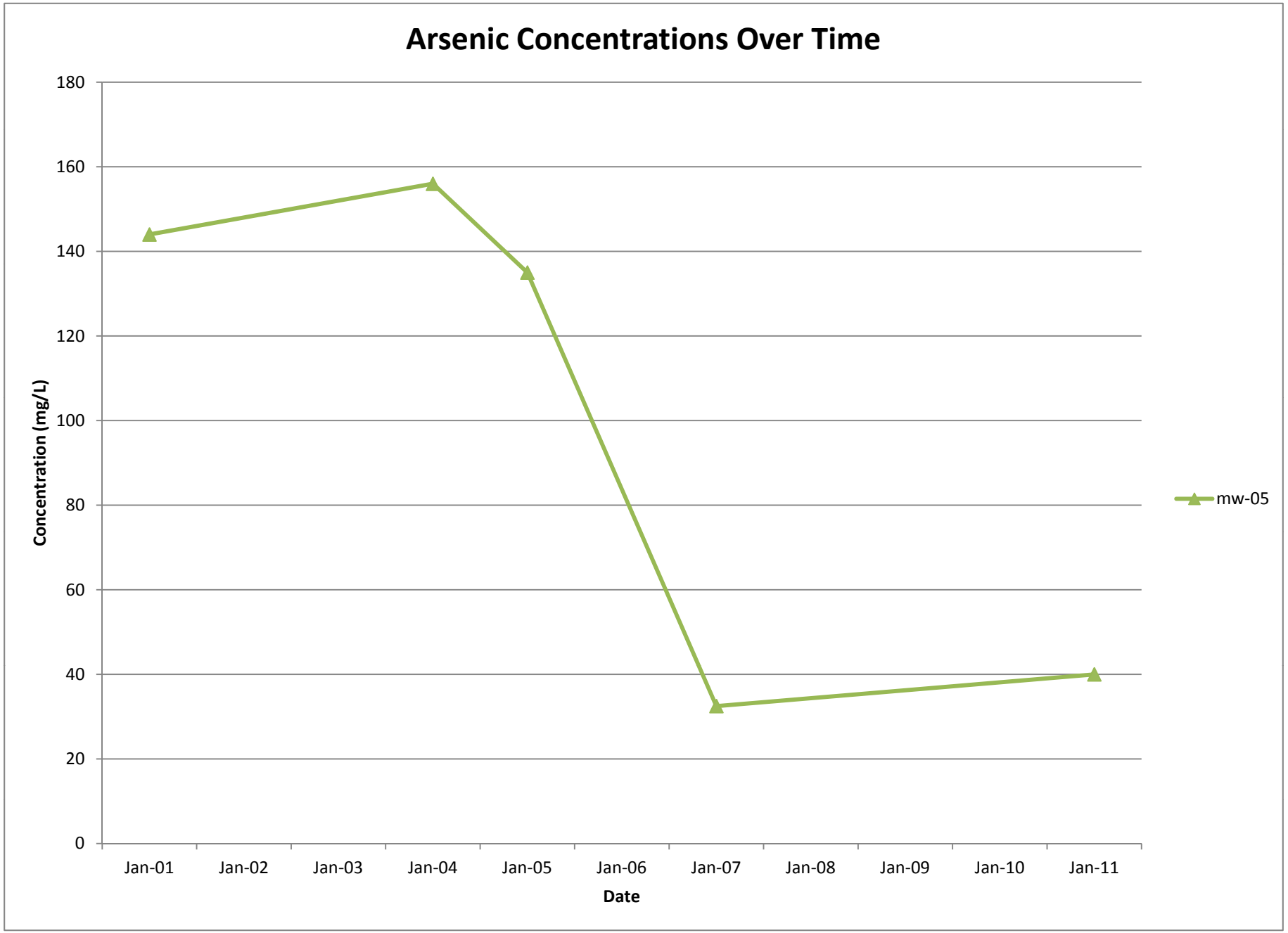
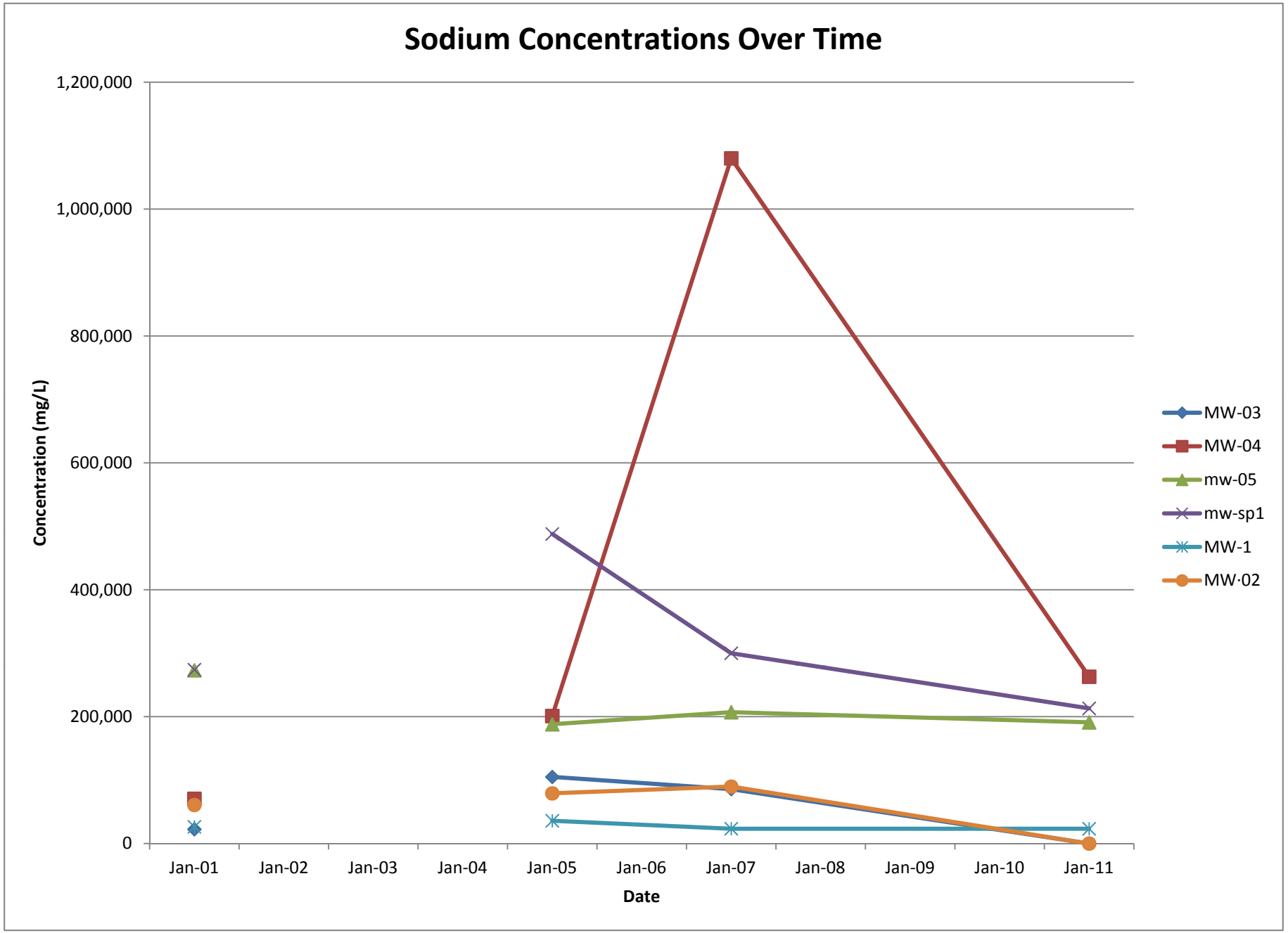
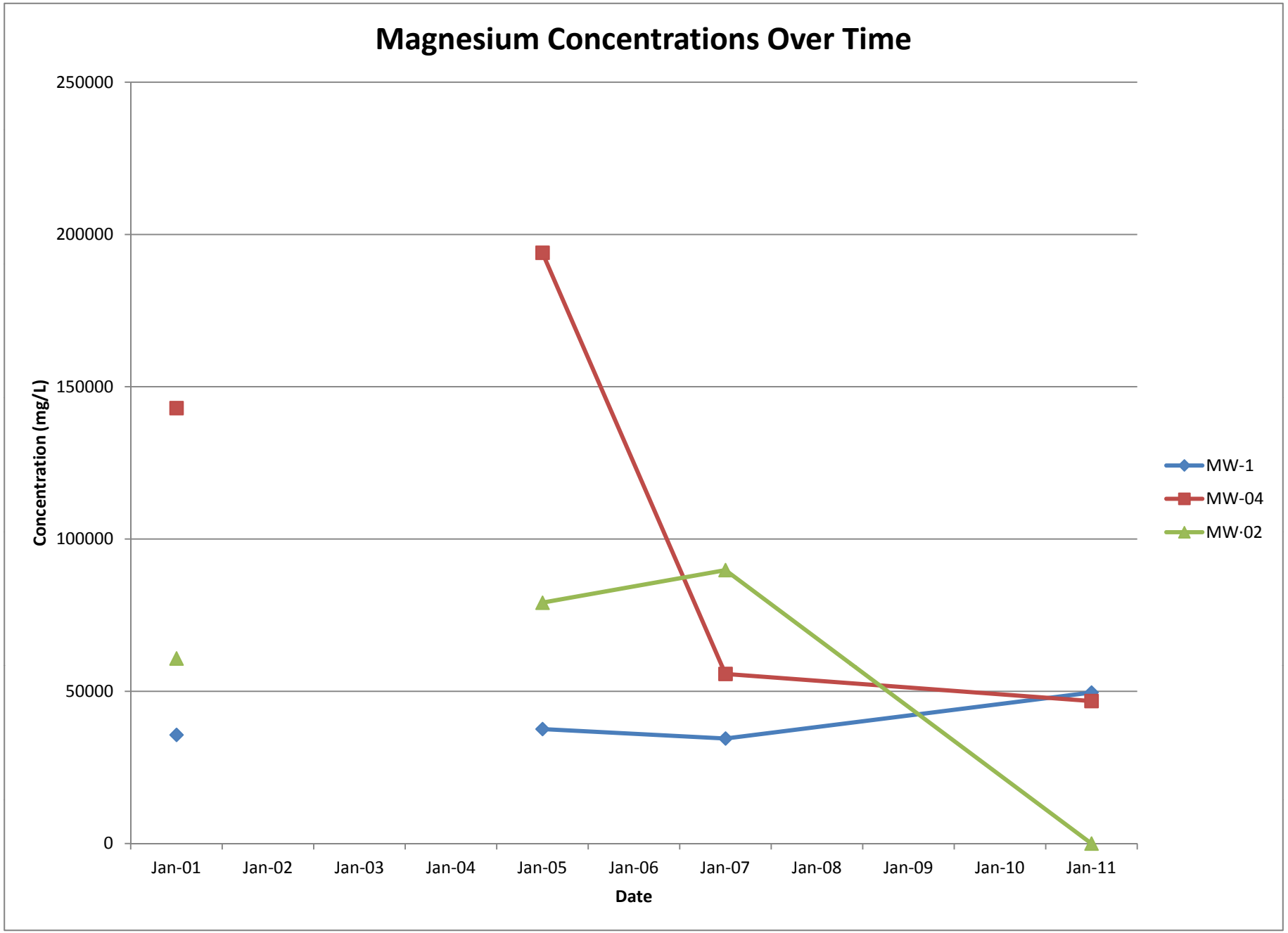
Appendix E

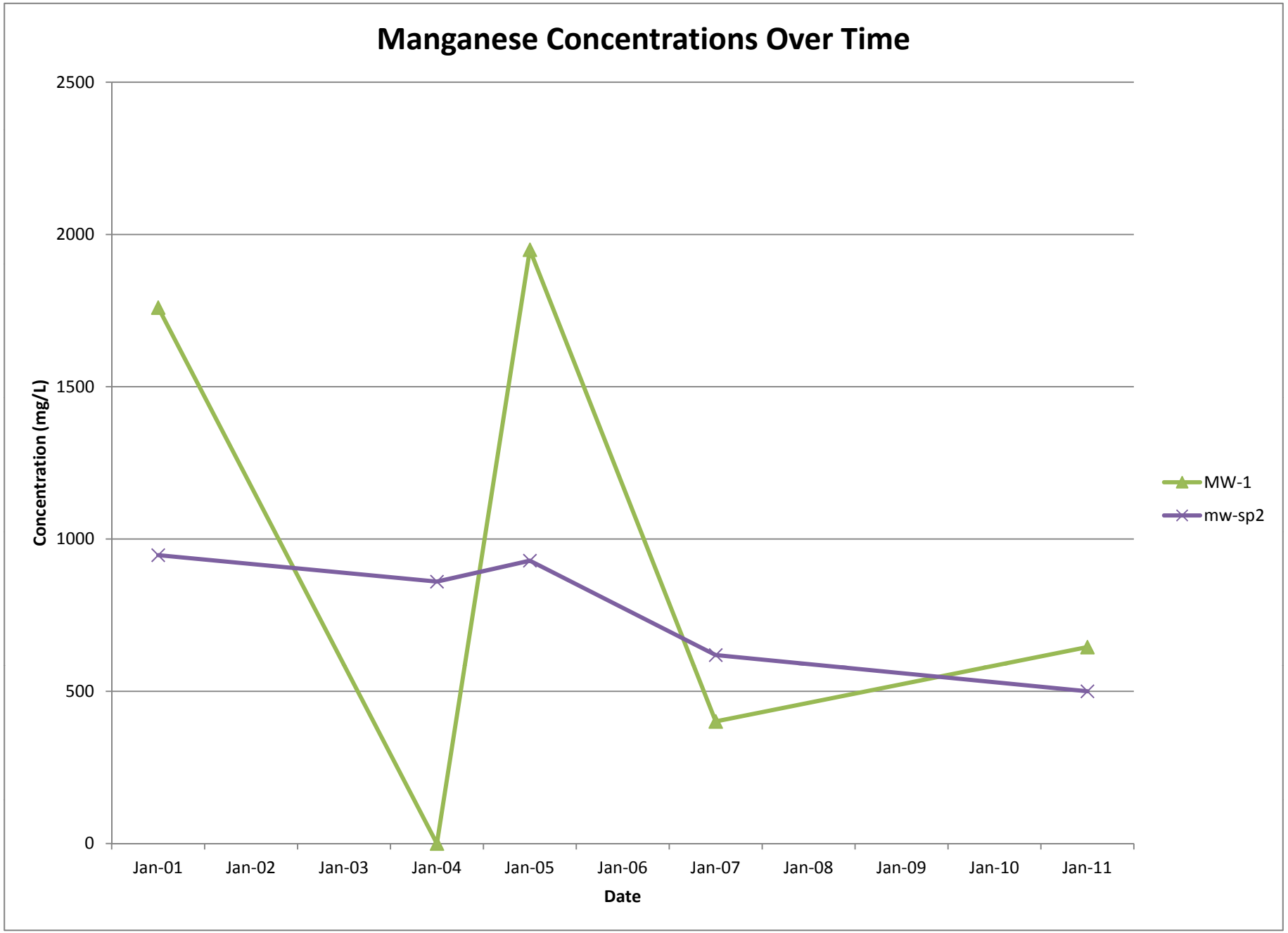
Select Graphs of Metals in Groundwater Over Time

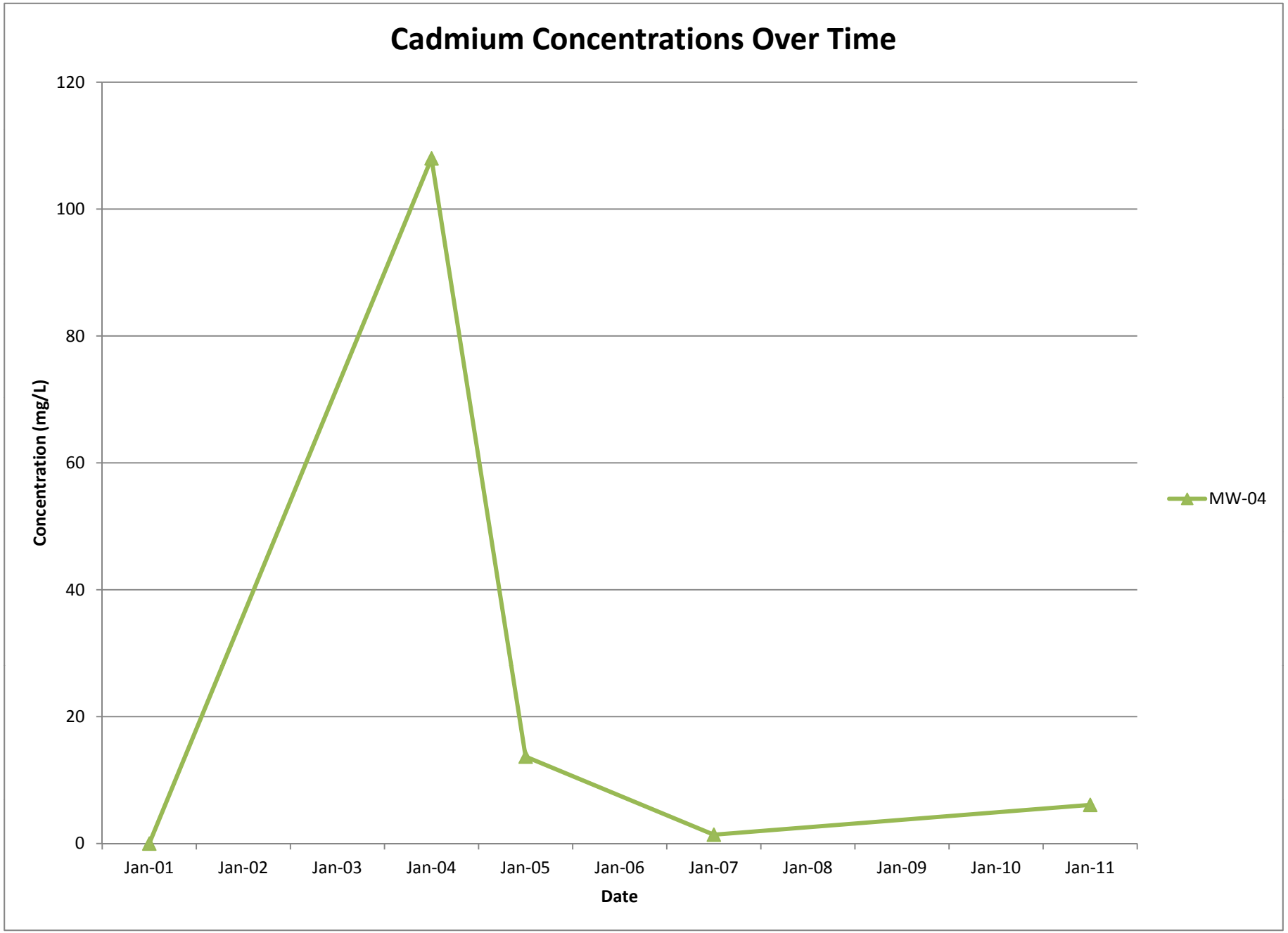

Iron Concentrations Over Time
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (mg/L)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Date
MW-03
MW-04
mw-05
mw-sp2


Arsenic Concentrations Over Time
180
160
140
120
100
80
60
40
20
0
Concentration (mg/L)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Date
mw-05


Sodium Concentrations Over Time
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Concentration (mg/L)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Date
MW-03
MW-04
mw-05
mw-sp1
MW-1
MW·02


Magnesium Concentrations Over Time
250000
200000
150000
100000
50000
0
Concentration (mg/L)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Date
MW-1
MW-04
MW-02


Manganese Concentrations Over Time
2500
2000
1500
1000
500
0
Concentration (mg/L)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Date
MW-1
mw-sp2


Cadmium Concentrations Over Time
120
100
80
60
40
20
0
Concentration (mg/L)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Date
MW-04