PERIODIC REVIEW REPORT
REPORTING PERIOD: NOVEMBER 12, 2015 THROUGH FEBRUARY 10, 2017

211 FRANKLIN STREET
OLEAN, NEW YORK
NYSDEC SITE NO. C905038

This Periodic Review Report (PRR) was prepared in accordance with the provisions of the document *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10). This is the first PRR submitted for New York State Department of Environmental Conservation (NYSDEC) Site No. C905038 located at 211 Franklin Street, City of Olean, Cattaraugus County, New York (the Site). This document presents a summary of site characterization and remedial activities conducted at the Site pursuant to obtaining a Certificate of Completion issued on November 12, 2015, and the site management activities completed in the period between November 12, 2015 and February 10, 2017 (the reporting period). The site management requirements are outlined in the document titled *211 Franklin Street, Cattaraugus County, City of Olean, New York, Site Management Plan, NYSDEC Site Number: C905038*, dated October 2015 (the SMP).

This report includes the following elements:

- Site background information;
- identification of the remedial goals established for the Site;
- a description of the ICs and ECs for the Site;
- a review of monitoring protocols and results;
- a description of site monitoring activities, site inspections and groundwater monitoring; an evaluation of the remedy performance, effectiveness and protectiveness; and,
- conclusions and recommendations based on the work completed to date.

I. Executive Summary

A. Site Conditions, Contamination and Remedial History

- The Site consists of a 5.79 acre parcel of land developed with an approximate 280,000 square foot, two-story industrial building with a partial basement (refer to the Project Locus Map included as Figure 1).
- Silence Dogood, LLC entered into the Brownfield Cleanup Program (BCP) administered by the NYSDEC in accordance with Brownfield Cleanup Agreement (BCA) Index # C905038-05-14, which was executed on May 22, 2014, to investigate and remediate the Site. As outlined in the BCA, Silence Dogood, LLC is a Volunteer with respect to the requirements of the BCP.
- A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the Site. The April 2015 RI report identified the following conditions at the Site, prior to remediation: impacts to surface soil and subsurface

soil/fill from various PAHs and metals (and PCBs in isolated areas); impacts to site-related groundwater from metals, in addition to petroleum-related impacts to the groundwater on the western portion of the Site that originated from an off-site location; and impacts to soil vapor from various chlorinated and/or non-chlorinated VOCs including acetone, TCE and PCE.

- The Site was remediated in accordance with the provisions of a Decision Document (DD), issued by the NYSDEC dated September 1, 2015. The DD included Remedial Action Objectives for public health protection pertaining to Site related soil vapor, soil and groundwater. The DD also specified the selected remedy for the Site, as Track 4 Restricted (Commercial) Use with site-specific soil cleanup objectives. See Section II.B. of the PRR for a summary of the remedial actions completed under the DD.

- Day Environmental, Inc. (DAY) prepared the SMP on behalf of Silence Dogood, LLC, and this document was approved by the NYSDEC. The site management requirements outlined in Section 6.3(b) of DER-10, and the SMP were implemented at the Site beginning on November 12, 2015.

- A certificate of completion (COC) was issued for NYSDEC Site #C905038 on November 12, 2015, documenting completion of the remedial program. The COC identified ongoing requirements for the Site, including compliance with the SMP, periodic reporting through PRRs, and periodic certification of the Engineering Controls (EC) and Institutional Controls (IC) that are required at the Site.

B. Effectiveness of the Remedial Program

Progress made during the reporting period toward meeting the remedial objectives for the Site include continued operation and monitoring of the EC, including the site-wide cover system and sub-slab depressurization system (SSDS); and post-remediation media testing, including indoor air and groundwater. Monitoring data from the work completed to date shows that the remedial program is currently meeting, and has the ability to achieve, the remedial objectives for the Site.

C. Compliance

No areas of non-compliance with the SMP were identified during the reporting period. As such, no steps are currently deemed necessary to correct areas of non-compliance.

It should be noted that minor maintenance activities were completed in response to findings of the site-wide cover system inspection on June 29, 2016. Specifically, holes (i.e., apparent animal burrows) were observed at two locations that penetrated the 1-foot soil cover. In addition, an approximate 4-foot by 3-foot area of soil cover located at the southeast corner of the Site appeared to be eroding from the edge of the cover system. Between June 29, 2016 and July 26, 2016, representatives of the tenant filled the apparent animal burrows with soil, and placed additional soil cover over the area of apparent erosion. Coarse gravel was also placed adjacent to the edge of the cover system at the southwest corner of the Site, to reduce the erosive effects to the cover system in this area.

D. Recommendations

1. The requirements identified in the SMP for the Site were met during the reporting period, and, with the exception of a proposed revision to the scope of the Post Remediation Groundwater Monitoring, which will be submitted to the NYSDEC during the up-coming reporting period, no modifications are required to bring the plan into compliance.

2. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every year subsequent to this report, such that the next PRR covers the reporting period February 11, 2017 through February 10, 2018).

3. Since residual contamination remains at the Site, it is recommended that site management requirements be continued.

II. Site Overview

A. Site Location, Site Features and Nature and Extent of Contamination

The Site is located in City of Olean, Cattaraugus County, New York and is identified as Section 94.040 Block 1 and Lot 21 on the Cattaraugus County Tax Map. The Site is bound by Franklin Street followed by a parking lot, athletic field and undeveloped land to the north-northwest; by a railroad Right-of-Way (ROW) to the south-southeast; by an undeveloped lot to the east-northeast; and by a railroad ROW to the west-northwest. A Property Survey Map of the Site is included in Attachment A of this document.

The properties adjoining the Site and in the neighborhood surrounding the Site are primarily utilized for residential and industrial uses. The properties immediately south-southeast of the Site include a railroad ROW followed by residential properties; the properties immediately north-northwest of the Site include Franklin Street followed by commercial and vacant properties and parkland; the properties immediately east-northeast of the Site include grass-covered vacant properties followed by residential properties; and the properties to the west-southwest of the Site include a railroad ROW followed by commercial and industrial properties.

The Site consists of an approximate 5.79 acre parcel of land developed with an approximate 280,000 square foot, two-story industrial building with a partial basement. The Site is zoned industrial and is currently utilized for industrial use. The Site is occupied by SolEpoxy Inc., which manufactures molding powders, coating powders, and formulated resins used to insulate electrical components.

A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the Site. The results of this study are described in the following report:

- *Remedial Investigation Alternatives Analysis Report, 211 Franklin Street, City of Olean, Cattaraugus County, New York, BCP Site Number: C905038,* dated January 2015 (Revised April 10, 2015)

The April 2015 RI identified the following conditions at the Site, prior to remediation:

- Impacts to surface soil from: various polycyclic aromatic hydrocarbons (PAHs); polychlorinated biphenyls (PCBs) in isolated locations; and metals including arsenic, cadmium, copper, mercury and nickel.

- Impacts to subsurface soil/fill from various PAHs and metals including: arsenic, cadmium, copper, lead, mercury, nickel, and zinc.

- Impacts to site-related groundwater from metals, including barium, chromium, magnesium, selenium and thallium; and petroleum-related impacts to the groundwater on the western portion of the Site, which originated from an off-site location.

- Impacts to soil vapor from various chlorinated and/or non-chlorinated VOCs, including acetone, trichloroethene (TCE) and tetrachloroethene (PCE).

B. Chronology

A chronology of Remedial Actions performed at the Site is presented below.

- Silence Dogood, LLC entered into the BCP administered by (NYSDEC) in accordance with Brownfield Cleanup Agreement Index # C905038-05-14, which was executed on May 22, 2014, to investigate and remediate the Site. As outlined in the BCA, Silence Dogood, LLC is a Volunteer with respect to the requirements of the BCP.

- The Site was remediated under a DD, issued by the NYSDEC and dated September 1, 2015. The DD included Remedial Action Objectives for public health protection pertaining to Site related soil vapor, soil and groundwater. The DD specified the selected remedy for the Site, as Track 4 Restricted (Commercial) Use with site-specific soil cleanup objectives. Elements of the Remedy included:

    - A site cover constructed and maintained to provide a barrier above surface soil containing concentrations that exceed the Restricted Commercial Use soil cleanup objectives (SCOs). The cover consists of a continuous concrete pad within the footprint of the existing building, and concrete/asphalt pavement, concrete sidewalk, and/or one-foot thick soil cover over exterior locations. Where the soil cover was utilized, a minimum of one foot of soil was used as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The soil cover was placed over a demarcation layer, with the upper four inches of placed soil of sufficient quality to maintain a vegetation layer. Fill material brought to the Site for use as cover material met the requirements set forth in 6 NYCRR Part 375-6.7(d);

    - A SSDS installed beneath a portion of the building at the Site where elevated soil gas concentrations of chlorinated VOCs, primarily PCE and TCE, were identified (see Figure 2). The purpose of the SSDS is to prevent/minimize the potential for migration of vapors into the building from soil and/or groundwater in this area;

- Imposition of an institutional control in the form of an environmental easement for the controlled property;

- Development and implementation of a SMP; and

- Periodic certification of the institutional and engineering controls

- The remediation of the Site was completed in accordance with a Remedial Action Work Plan that was approved by the NYSDEC on September 1, 2015.

- DAY prepared the SMP on behalf of Silence Dogood, LLC, dated October 2015, and this document was approved by the NYSDEC. The site management requirements outlined in Section 6.3(b) of DER-10, and the SMP were implemented at the Site beginning on November 12, 2015. The SMP includes an Institutional and Engineering Control Plan that identifies use restrictions and engineering controls for the site, a Monitoring Plan to assess the performance and effectiveness of the Remedy, an Operation and Maintenance Plan to insure the continued operation of the SSDS, and details the steps and media-specific requirements necessary to ensure that the institutional and/or engineering controls remain in place and effective.

- A COC was issued for NYSDEC Site #C905038 on November 12, 2015, documenting completion of the remedial program. The COC identified ongoing requirements for the Site, including compliance with the SMP, periodic reporting through PRRs, and periodic certification of the Engineering Controls (EC) and Institutional Controls (IC) that are required at the Site.

As presented in the DD, the cleanup goals for the Site are to prevent ingestion/direct contact with contaminated surface and subsurface soil/fill materials, prevent exposure to onsite groundwater, and prevent exposure to contaminants volatizing from subsurface locations. Generally, remedial processes are considered complete when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

The Site remedy included:

- the placement, and/or maintenance, of a site-wide cover system (i.e., concrete/asphalt pavement, concrete sidewalk, and/or one-foot thick soil cover over exterior locations and continuous concrete pad within the footprint of the existing building) to prevent direct contact with impacted materials (i.e., surface soil, subsurface soil/fill, etc.),

- continuous operation of a SSDS installed in the central portion of the building, to mitigate the potential for vapor intrusion into the indoor air; and

- institutional controls to prevent exposure to onsite groundwater.

The effectiveness of this remedy is evaluated by the completion of annual inspections of the cover system, quarterly (or more frequent) measurements of SSDS system pressure, an annual

review of the SSDS mechanical components (i.e., the exhaust fans), and post-remediation media sampling (i.e., indoor air and groundwater).

- On June 29, 2016, a DAY representative completed the annual inspection of the site-wide cover system. A copy of the site-wide inspection form (i.e., included as Appendix G of the SMP), completed during the June 29, 2016 inspection is included in Attachment B. Photographs, taken on July 26, 2017 illustrating the condition of the exterior site cover on that date, are also included in Attachment B.

- Periodic monitoring of vacuum pressure at the inlet side of each of the two exhaust fans that operate the SSDS at the Site (i.e., designated Fan #1 and Fan #2) was completed at approximate monthly intervals between January 2016 and February 2017. Copies of the monitoring logs completed during the reporting period for Fan #1 and Fan #2 are included in Attachment C.

- On June 20, 2016 an annual review of the SSDS was performed to confirm that the mechanical components (i.e., Fan #1 and Fan #2) were operating as intended, and to identify the need for maintenance (if any). Copies of the results of the annual review are included in Attachment C.

- The results of the indoor air and groundwater monitoring completed at the Site are discussed in Section V of this PRR.

IV. IC/EC Compliance Report

A. IC/EC Compliance Report

1. A description of each control, its objective, and how performance of the control is evaluated is provided below.

   - Groundwater Use Restriction: restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the Cattaraugus County Department of Health. The effectiveness of this control is evaluated based upon monitoring of groundwater usage at the Site (or lack thereof).

   - Land use Restriction: allows the use and development of the controlled property for commercial and industrial uses as defined by 6 NYCRR Part 375-1.8(g), although land use is subject to local zoning laws. The effectiveness of this control is evaluated based upon monitoring of land usage at the Site.

   - Site Management Plan: The objective of the SMP is to manage remaining contamination present at the Site that is above regulatory criteria in a manner that is protective of human health and the environment. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, a Site Monitoring Plan an Operation and Maintenance (O&M) Plan and a Soil Management Plan (i.e., the excavation work plan included as Appendix B of the SMP). The effectiveness of the controls outlined above is evaluated through monitoring and periodic certification. Controls on the Site include:

- Construction and maintenance of a site-wide cover system to provide a barrier above surface soil containing concentrations that exceed the Restricted Commercial Use SCOs. The cover system consists of the continuous concrete pad within the footprint of the existing building, with concrete/asphalt pavement, concrete sidewalk, and one-foot thick soil cover on the exterior;

- Installation and continued operation of the SSDS, installed beneath a designated section of the Site building to prevent/minimize the potential for migration of vapors into the building from soil and/or groundwater in this area;

- Routine monitoring to document the continued operation of the SSDS, the integrity of the site-wide cover system, and to document post remediation indoor air and groundwater conditions.

- Implementation of specific requirements outlined in the SMP, including the provisions of the IC/EC Plan (i.e. Excavation Work Plan, Soil Vapor Intrusion Evaluation, and Contingency Plan), Site Monitoring Plan, and Operation and Maintenance Plan, to assure the provisions described in these documents are followed.

2. Status:

   Each control is fully in place, is being adhered to, and appears to be effective as of the date of this report.

   During the annual inspection of the site-wide cover system that occurred on June 29, 2016, holes (i.e., apparent animal burrows) were observed at two locations that penetrated the 1-foot soil cover (refer to the site sketch included in Attachment B). The dimensions of the holes measured less than one foot in diameter and extended toward the building foundation. In addition an approximate 4-foot by 3-foot area of soil cover located at the southeast corner of the Site appeared to be eroding from the edge of the cover system. Between June 29, 2016 and July 26, 2016 representatives of the Owner filled the apparent animal burrows with soil, and placed additional soil cover over the area of apparent erosion. Coarse gravel was also placed adjacent to the edge of the cover system at the southwest corner of the Site, to reduce the erosive effects to the cover system in this area. Photographs taken on July 26, 2016, which document the minor maintenance and repair activities, are included in Attachment B.

3. Corrective Measures:

   None required.

4. Conclusions and Recommendations for Changes:

   The controls are being effectively implemented as of the date of this report, and no changes are deemed necessary at this time.

B. IC/EC Certification

Certification Statement and forms are included as Attachment D to this report.

V. Monitoring Plan Compliance Report

A. Components

- Site-Wide Inspections: annual inspections are required to observe and document the condition of the cover system installed at the Site. Site-wide inspections are also required after all severe weather events that have the potential to affect ECs.

- Treatment System Monitoring: quarterly (or more frequent) system checks and an annual review are required to confirm that the SSDS is operating as intended, and to identify the need for maintenance.

- Post Remediation Media Monitoring and Sampling: Groundwater samples and indoor air samples are collected/tested on a routine basis to assess the performance of the remedy.

B. Summary of the Monitoring Completed

- Site-Wide Inspections: On June 29, 2016, a DAY representative completed the annual inspection of the site-wide cover system. A copy of the site-wide inspection form completed for June 29, 2016 is included in Attachment B. Photographs, taken on July 26, 2017 illustrating the condition of the exterior site cover on that date, are also included in Attachment B.

- Treatment System Monitoring: Periodic monitoring of vacuum pressure at the inlet side of each of the two exhaust fans that operate the SSDS at the Site (i.e., designated Fan #1 and Fan #2) was completed at approximate monthly intervals between January 2016 and February 2017. Copies of the monitoring logs completed during the reporting period for Fan #1 and Fan #2 are included in Attachment C.

  On June 20, 2016, an annual review of the SSDS was performed to confirm that the mechanical components (i.e., Fan #1 and Fan #2) were operating as intended, and to identify the need for maintenance (if any). Copies of the documents prepared summarizing the findings of the annual review are included in Attachment C.

- Post Remediation Media Monitoring and Sampling:

  During 2016, three post-remediation groundwater sampling events were completed at the Site (occurring March 22-23, 2016; June 29, 2016; and September 27, 2016). Indoor air samples were collected and tested as part of the March 22-23, 2016 monitoring event. The results of the post-remediation groundwater sampling events are described in a report titled, *Long-Term Groundwater Monitoring, 211 Franklin Street Site, Olean, New York, Brownfield Cleanup Program Site #C905038*, dated November 30, 2016, which was transmitted to the NYSDEC on December 1, 2016, and a copy of this report is included as Attachment E. [Note: Data validation for the

groundwater samples collected on September 27, 2016 had not been completed at the time of the preparation of the November 30, 2016 report. Tables 1-4 in Attachment E have been updated to include the validated test results for groundwater samples collected September 27, 2016; however, the validation results do not alter the findings of the November 30, 2016 report.]

In response to the November 30, 2016 report, the NYSDEC Project Manager contacted DAY via email correspondence on December 21, 2016 and indicated that the final quarterly post-remediation groundwater sampling event (i.e., scheduled for the fourth quarter of 2016) could be canceled, and that a revised sampling plan should be developed. [Note: A revised sampling plan was submitted to the NYSDEC on February 16, 2017.]

- The results of the indoor air sampling conducted within the reporting period are provided herein as follows:

  - Copies of the indoor air sampling logs completed during the annual sampling event that occurred between March 22 and 23, 2016 are included in Attachment F. The approximate locations from which the indoor air samples were collected are depicted on Figure 2. The location of one outdoor (i.e., background) air sample is also depicted on Figure 2.

  - A copy of the analytical laboratory report for the indoor air samples (and outdoor background sample) collected between March 22 and 23, 2016 is included in Attachment G.

  - A summary of volatile organic compounds (VOCs) detected by the analytical laboratory in the indoor air samples (and outdoor background sample) collected between March 22 and 23, 2016 is included in Table 1.

  The analytical laboratory test results for the samples collected during the reporting period were submitted to the NYSDEC EIMS Team via NYENVDATA in an EQUIS EDD format, and these data were deemed complete and accepted.

C. Comparison with Remedial Objectives

- Site-Wide Inspections: The results of the site-wide inspections indicate that remedial objectives were achieved during the reporting period. Specifically, the site-wide inspections revealed that the cover system is intact and functioning as designed to eliminate direct contact. Minor maintenance activities completed in response to the June 29, 2016 inspection were completed as described in Section IV.A.2.

- Treatment System Monitoring: Measurements of vacuum pressure at the inlet side of Fan #1 recorded during the reporting period ranged between 2.1 in. and 2.5 in. Measurements of vacuum pressure at the inlet side of Fan #2 recorded during the reporting period ranged between 1.2 in. and 1.8 in. The measurements made during the reporting period indicate that the SSDS is functioning as designed, and that no repairs or system adjustments are required.

The annual review of the SSDS that was performed June 20, 2016 confirmed that the mechanical components (i.e., Fan #1 and Fan #2) were operating as intended, and did not identify the need for any systems maintenance.

- Post Remediation Media Monitoring and Sampling:

  A summary of the sampling/testing completed and conclusions regarding the results of the three post-remediation groundwater sampling events completed at the Site (i.e., occurring March 22-23, 2016; June 29, 2016; and September 27, 2016) are included in a report dated November 30, 2016 (Attachment E). As discussed in the November 30, 2016 report, similar to the findings of the April 2015 RI, the results of the three post-remediation groundwater sampling events indicate that groundwater in the western portion of the Site is impacted with petroleum that originated from an off-site location, and that concentrations do not increase in downgradient locations. In addition, the concentrations of metals detected in the groundwater samples collected during the reporting period are generally similar to those identified in the April 2015 RI, and the concentrations measured do not suggest an on-going source of metal contamination to groundwater originating on the Site degrading the groundwater quality, but rather a periodic isolated influx of metals in the groundwater influenced by seasonal groundwater fluctuations.

  The results of the indoor air sampling event completed between March 22 and 23, 2016 indicate that the SSDS is functioning as designed. The chlorinated VOCs PCE and TCE were not detected in the indoor air samples collected between March 22 and 23, 2016, except for the indoor air sample collected from Area 5, which was reported to contain TCE at a concentration of 0.05 µg/m^3. The concentration of TCE measured in the Area 5 sample is well below (two orders of magnitude lower than) the NYSDOH Indoor Air Guidance Value for TCE of 5 µg/m^3. Concentrations of acetone (118 µg/m^3) and MIBK (6.2 µg/m3) were detected in the indoor air sample collected from Area 4 at levels slightly above the NYSDOH Indoor Air Guidance Values (i.e., 98.9 µg/m3 and 6 µg/m3, respectively). In addition, the concentration of acetone detected in the indoor air sample collected from Area 2 (i.e., 388 µg/m^3) also exceeded the respective guidance value for acetone. However, acetone and MIBK continue to be used at the Site in the manufacturing process, and thus the indoor air concentrations of these constituents do not appear attributable to soil vapor intrusion. As such, the applicable indoor air standards for acetone and MIBK are Occupational Safety and Health Administration (OSHA) permissible levels, and the concentrations measured are well below the applicable OSHA standards.

D. Monitoring Deficiencies

There are no monitoring deficiencies identified at this time.

E. Conclusions and Recommendations for Changes

- Site-Wide Inspection and Treatment System Monitoring: The site-wide inspection and treatment system monitoring confirmed that the remedial systems/actions for the Site are functioning properly, and effective in achieving their intended objectives. No changes to the site-wide inspection, treatment system monitoring process, or remedial actions are recommended at this time.

- Post Remediation Media Monitoring and Sampling:

  It is recommended that post-remediation groundwater sampling and testing continue to be completed in accordance with the procedures outlined in the SMP. However, due to the redundant nature of the groundwater test results collected to date, it is recommended that the scope of the post-remediation groundwater monitoring program test parameters and sample frequency be modified. Proposed modifications to the SMP will be provided to the NYDEC during the next reporting period. [Note: A letter requesting a modification to the SMP was submitted to the NYSDEC on February 16, 2017.]

  The results of indoor air sampling completed during the reporting period indicate that the remedial actions implemented at the Site have been effective in achieving the remedial objectives identified, and no changes are recommended at this time.

VI. Operation & Maintenance (O&M) Plan Compliance Report

A. Components of the O & M Plan

The soil vapor intrusion SSDS is designed for continuous, unmanned operation, and requires very little operation and maintenance labor. All components of this system are designed for years of uninterrupted service. Nonetheless, quarterly (or more frequent) system checks and annual reviews are performed to confirm that all are operating as intended, and to identify the need for any maintenance.

B. Summary of O & M Completed During the Reporting Period

Periodic monitoring of the SSDS has been discussed elsewhere in this report. The current components of the O&M Plan (continuous operation and periodic monitoring of the SSDS) started on August 11, 2015 and it continued throughout the reporting period.

C. Evaluation of the Remedial Systems

Periodic monitoring of the SSDS indicates that the system is operating as designed. Further, the results of the annual indoor air sample event that occurred between March 22 and 23, 2016 indicate that the SSDS is effectively mitigating soil vapor intrusion into the building at the Site.

D. O&M Deficiencies

No deficiencies were identified in complying with the O&M plan during the reporting period.

E. Conclusions and Recommendations for Improvements

No improvements to the O&M plan are recommended at this time.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

The requirements identified in the SMP for the Site were met during the reporting period, and, with the exception of a revision to the scope of the Post Remediation Groundwater Monitoring, no modifications are required to bring the plan into compliance.

B. Performance and Effectiveness of the Remedy

An evaluation of the components of the SMP during the reporting period indicated that:

- the IC/EC controls were protective of human health and the environment;
- the monitoring plan sufficiently monitored the performance of the remedies implemented;
- the O&M Plan adequately addressed the on-going operation of the SSDS; and
- the remedial program is achieving the remedial goals identified for the Site.

C. Future PRR Submittals

1. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every year subsequent to this report, such that the next PRR covers the reporting period February 11, 2017 through February 10, 2018). .

2. The requirements for site closure have not been achieved. As such, it is recommended that site management continue.

PERIODIC REVIEW REPORT
REPORTING PERIOD NOVEMBER 12, 2015 THROUGH FEBRUARY 10, 2017

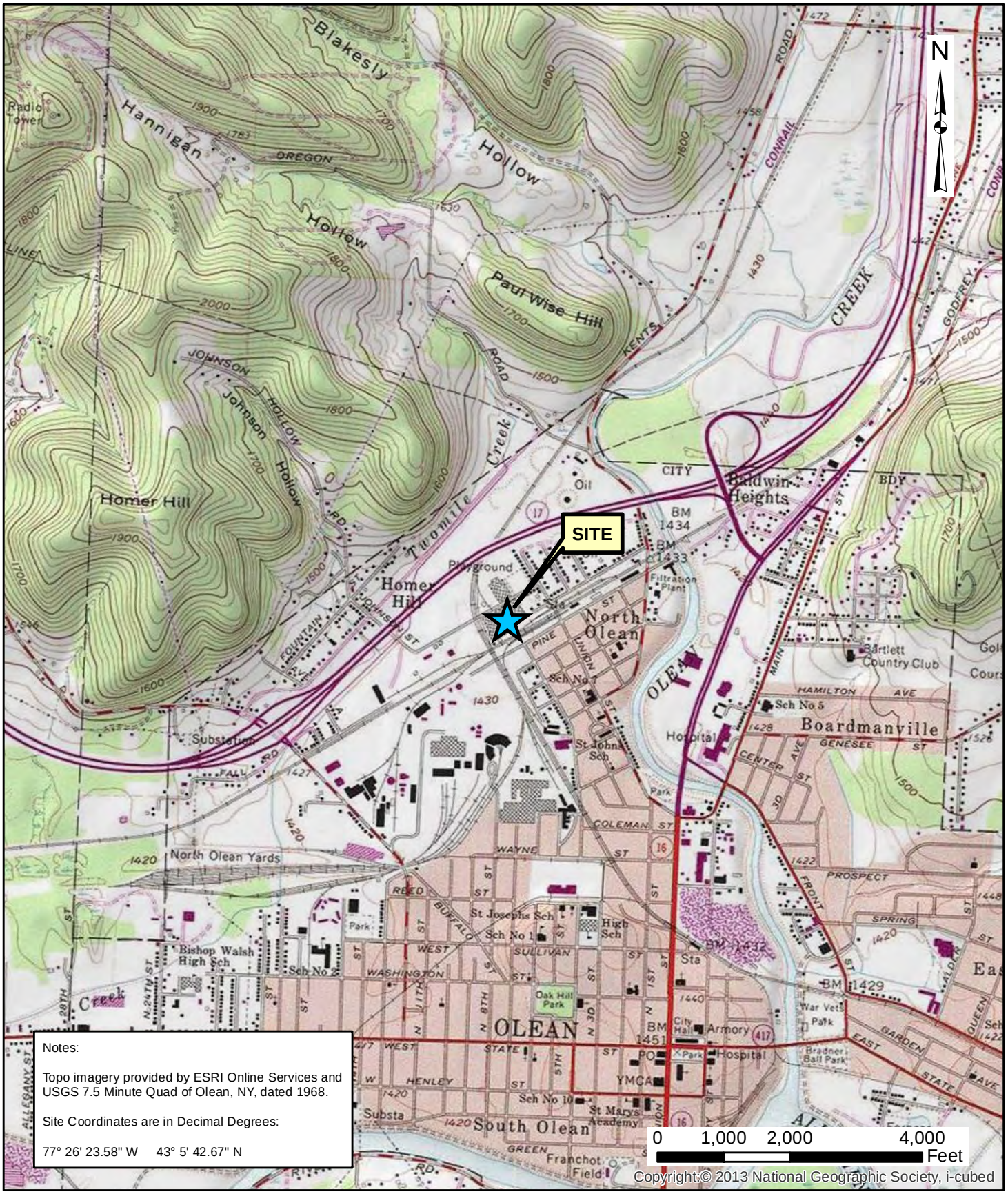
211 FRANKLIN STREET
OLEAN, NEW YORK
NYSDEC SITE NO. C905038

FIGURES

TABLES

ATTACHMENTS

FIGURES



Date: 2-28-2017 Drawn By: CAH Scale: AS NOTED	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: 211 FRANKLIN STREET OLEAN, NEW YORK BCP SITE NO. C905038 PERIODIC REVIEW REPORT Drawing Title: Project Locus Map	Project No.: 4884S-13 FIGURE 1

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Last Date Saved: 01 Mar 2017

Legend

- Indoor/background air sample collected March 22, 2016
- Limits of the 211 Franklin Street Site
- Approximate extent of mitigation area via sub-slab depressurizaton system

N

Area 1

Area 2

Area 3

Area 4

Area 5

Area 6

Area 7
Background

0 25 50 100
Feet

NOTES:
Facility layout provided by SolEpoxy, Inc.

Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at211 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada,New York State Licensed Land Surveyor,483 Union Street, Olean, NY 14760.

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

DESIGNED BY	DRAWN BY	SCALE	DATE	DATE DRAWN	DATE ISSUED
RLK	CAH	AS NOTED	02-2017	02-2017	02-21-2017

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

Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

BCP SITE NO. C905038 PERIODIC REVIEW REPORT

Drawing Title
Site Plan Showing Periodic Indoor Air Sample Areas

Project No.
4884S-13

FIGURE 2

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TABLES

TABLE 1
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905038

SUMMARY OF VOLATILE ORGANIC COMPOUNDS
In
INDOOR AIR AND BACKGROUND AIR SAMPLES COLLECTED MARCH 22 and 23, 2016

Detected Constituent	NYSDOH Indoor Air Guidance Value (ug/m3)[1]	Sample Designation and Date													
		1		2-3[4]		3		4		5		6		7 (Background)	
		3/22/2016		3/23/2016		3/22/2016		3/22/2016		3/22/2016		3/22/2016		3/22/2016	
1-4, Dioxane	NA	U		U		U		U		3.48		U		U	
1,1,1-Trichloroethane	20.6	U		U		U		U		U		U		U	
1,1,2-Trichlorotrifluoroethane	NA	U		U		U		U		U		0.120		U	
1,2,4-Trimethylbenzene	9.5	U		0.150		U		0.190		U		U		U	
1,3,5-Trimethylbenzene	3.7	U		U		U		0.100		U		U		U	
2-Butanone (MEK)	12	1.32		0.930		1.68		3.44		1.36		0.470		0.400	
2-Hexanone (MBK)	NA	U		U		U		U		3.16		0.260		U	
4-Ethyltoluene	NA	U		U		U		U		U		U		U	
4-Isopropyltoluene	NA	U		U		U		U		U		U		U	
4-Methyl-2-Pentanone (MIBK)	6	1.61		0.970		4.80		**6.02**		4.75		0.170		U	
Acetone	98.9	48.20	D	**388**	**D**	56.6	D	**118.00**	**D**	59.0	D	5.66		5.08	
Benzene	9.4	1.14		0.670		1.55		1.57		0.360		0.130		0.130	
Bromodichloromethane	NA	U		U		U		U		U		0.110		U	
Carbon Disulfide	4.2	U		U		U		U		U		U		U	
Carbon Tetrachloride	1.3	0.080		0.160		0.0900		0.110		0.120		0.110		0.0800	
Chloroform	1.1	U		0.160		U		U		0.220		0.990		U	
Cyclohexane	NA	U		0.250		0.190		0.230		U		U		U	
Dibromochloromethane	NA	U		U		U		U		U		U		U	
Dichlorodifluoromethane	16.5	0.840		0.830		0.890		0.780		0.790		0.970		0.930	
Ethanol	210	60.20	D	36.6	D	17.0	D	93.60	D	8.91		2.26		2.12	
Ethyl acetate	5.4	U		U		U		U		1.54		U		0.650	
Ethylbenzene	5.7	U		0.120		0.130		0.290		0.500		U		U	
Hexane	10.2	U		1.74		U		1.35		U		U		U	
Isopropyl alcohol	NA	6.16		26.0	D	4.23		10.60	D	5.03		0.850		0.540	
Isopropylbenzene	NA	U		U		U		U		U		U		U	
m/p-Xylene	22.2	0.200		0.530		0.510		1.16		1.62		U		U	
Methylene Chloride	60[2]	0.340		1.03		0.360		0.380		0.340		0.140		0.250	
Methyl tert-Butyl Ether (MTBE)	11.5	U		U		U		U		U		U		U	
Naphthalene	NA	U		U		U		0.710		1.32		U		U	
n-Butylbenzene	NA	U		U		U		U		U		U		U	
n-Heptane	NA	0.190		0.240		0.220		0.520		U		U		U	
o-Xylene	7.9	U		0.140		0.110		0.240		0.270		U		U	
sec-Butylbenzene	NA	U		U		U		U		U		U		U	
Tetrachloroethene	30[3]	U		U		U		U		U		U		U	
Toluene	43	1.39		0.780		2.55		4.23		0.800		U		U	
Trichloroethene	5[2]	U		U		U		U		0.0500		U		U	
Trichlorofluoromethane	18.1	7.97		5.09		5.72		8.20	D	2.15		0.400		0.350	
Total VOCs		*129.64*		*464.39*		*96.63*		*251.72*		*95.77*		*12.64*		*10.53*	

NOTES

Volatile organic compound (VOC) concentrations are presented in micrograms per cubic meter (µg/m^3).

U = Not detected at concentration above analytical laboratory reporting limit. Refer to the analytical laboratory report for the associated reporting limit.

NA = Not Available. J = Estimated Value. D = Sample Diluted. R = The data are unusable

J- = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

UJ = The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ = The detection is tentative in identification and estimated in value.

No NYSDOH criteria is available for soil vapor samples

[1]Unless otherwise noted the Indoor Air guidance value shown is the 90th percentile referenced in Table C2 of the NYSDOH document titled "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006.

[2] NYSDOH derived air guidance values in NYSDOH document titled "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006.

[3] Value identified in NYSDOH September 2013 Fact Sheet "Tetrachloroethene (PERC) in Indoor and Outdoor Air".

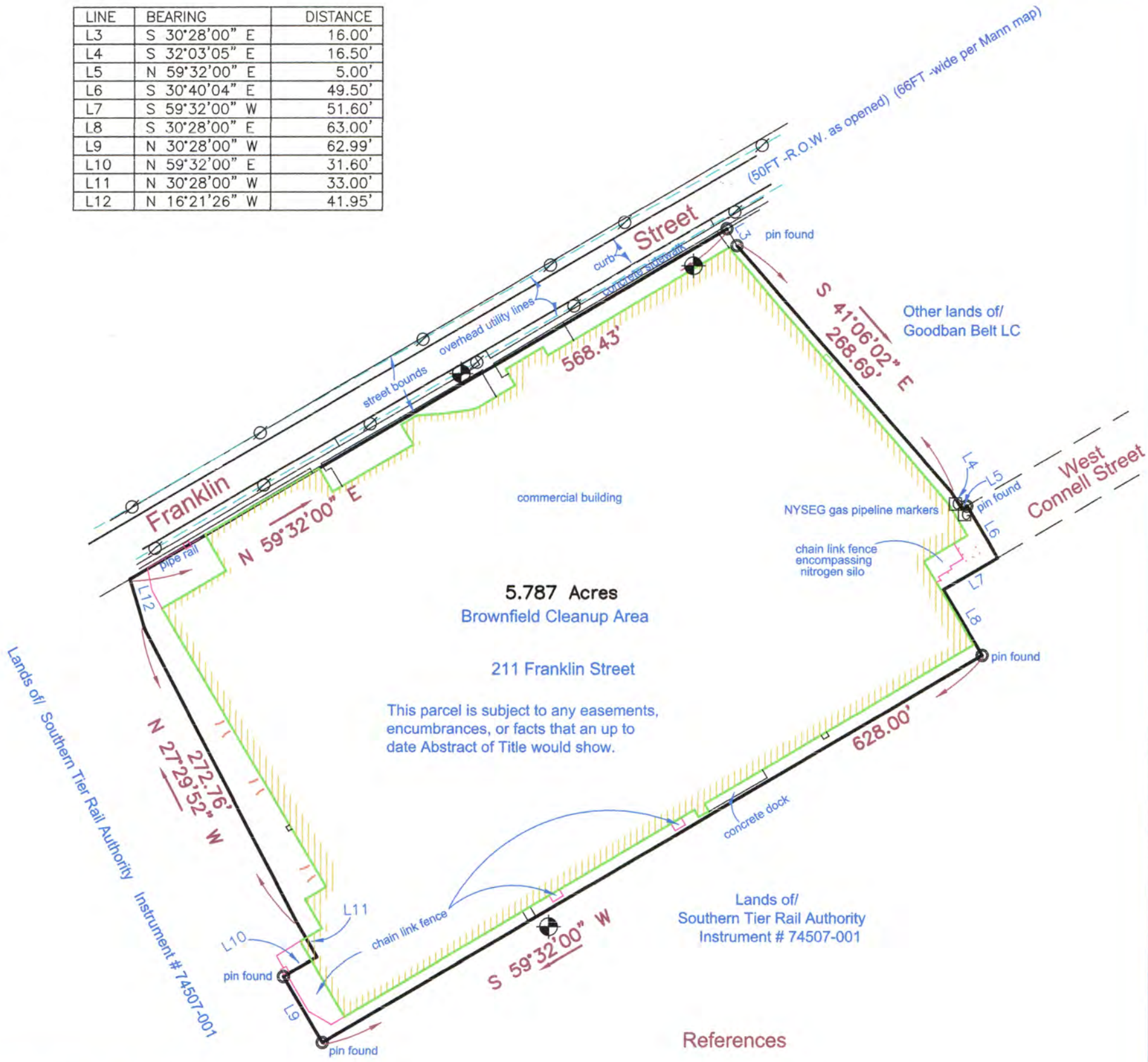
[4] Indicates that the sample tested from location #2 was the third attempt to fill a summa canister over an approximate 8-hour period. The first two sample collections attempted did not meet the 8-hour time collection criteria.

Highlighted value exceeds referenced NYSDOH indoor air guidance value

ATTACHMENT A

PROPERTY SURVEY MAP

LINE	BEARING	DISTANCE
L3	S 30°28'00" E	16.00'
L4	S 32°03'05" E	16.50'
L5	N 59°32'00" E	5.00'
L6	S 30°40'04" E	49.50'
L7	S 59°32'00" W	51.60'
L8	S 30°28'00" E	63.00'
L9	N 30°28'00" W	62.99'
L10	N 59°32'00" E	31.60'
L11	N 30°28'00" W	33.00'
L12	N 16°21'26" W	41.95'



Environmental Easement description
211 Franklin Street

Beginning at the intersection of the south bounds of Franklin Street with the east bounds of lands of Southern Tier Rail Authority LLC, thence N 59-32-00 E along the south street bounds of Franklin Street, a distance of 568.43' to a point, thence through the lands of Goodban Belt, LLC:
1) S 41-06-02 E, a distance of 268.69' to a point
2) S 30-28-00 E, a distance of 16.00' to a point
3) S 32-03-05 E, a distance of 16.50' to a point on the north bounds of West Connell Street, thence N 59-32-00 E along the north bounds of West Connell Street, a distance of 5.00' to a point, thence S 30-40-04 E crossing West Connell Street, a distance. of 49.50' to a point, thence S 59-32-00 W along the south bounds of West Connell Street, a distance of 51.60' to a point, thence along the bounds of lands now or formerly of Southern Tier Rail Authority:
1) S 30-28-00 E, a distance of 63.00' to a point
2) S 59-32-00 W, a distance of 628.00' to a point
3) N 30-28-00 W, a distance of 63.00' to a point
4) N 59-32-00 E, a distance of 31.60' to a point
5) N 30-28-00 W, a distance of 33.00' to a point
6) N 27-29-52 W, a distance of 272.76' to a point
7) N 16-21-26 W, a distance of 41.95' to the point of beginning

Contains 5.787 acres+/-

300 200 100 0
1IN=100FT

91.44 60.96 30.48 0
1IN=30.48METERS

References

1) Title Search/
Dated: December 20, 2010
File #5005973
Policy #7430732-8296035
Frontier Abstract & Research Services, Inc.

2) Deed/
Henkel Corporation to Goodban Belt LLC
Instrument # 145975-001
Dated: August 31, 2010
Recorded: September 1, 2010

3) Survey/
for Dexter Corporation
Dated: August 2, 1979
by M.C. Ackerman, LS 23028

Typical Symbols
-hydrant
-utility pole
-light pole
-monitor well
d. -deed distance
m. measured distance

This survey is certified to the following/

1) New York State Department of Environmental Conservation

Map and Survey for:
Goodban Belt LLC
of lands at
211 Franklin Street

Copies Invalid Unless Embossed

Alteration of This Document is Illegal Under Sec. 7209 Subdivision 2 of The New York State Education Law.

Part of Lots 4 & 6, Section 5 , Twp.# 2, Range # 4 of the Holland Land Co.'s Survey
Blocks 64 and 74 and part of Blocks 63, 65, 73, 75, 80, 81, and 82
Part of Franklin, Washington, Vine, and Spruce streets, and other lands
according to the "Mann Map of Olean Depot"

City of Olean
Cattaraugus County, New York
Date: November 25, 2013
Scale: 1IN = 100FT

Prepared By:
D. Michael Canada
New York State
Licensed Land Surveyor
483 North Union Street
Olean, NY 14760
N.Y.S. Lic. No.49215
716-379-7918

Job Number: 7526

D. Michael Canada

ATTACHMENT B

SITE WIDE INSPECTION FORM AND PHOTOGRAPHS

Site-Wide Inspection Form

211 Franklin Street

City of Olean, New York

NYSDEC Site Number: C905038

Date of Inspection Site Visit: June 29, 2016

Personnel Performing Inspection Site Visit: C. Hampton (Day Environmental, Inc.)

Affiliation of Personnel:

1. **Check integrity of impermeable portions (e.g., concrete) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

Impermeable portions of cove system intact and in good condition. No sloughing, cracks, settlement or damage observed.

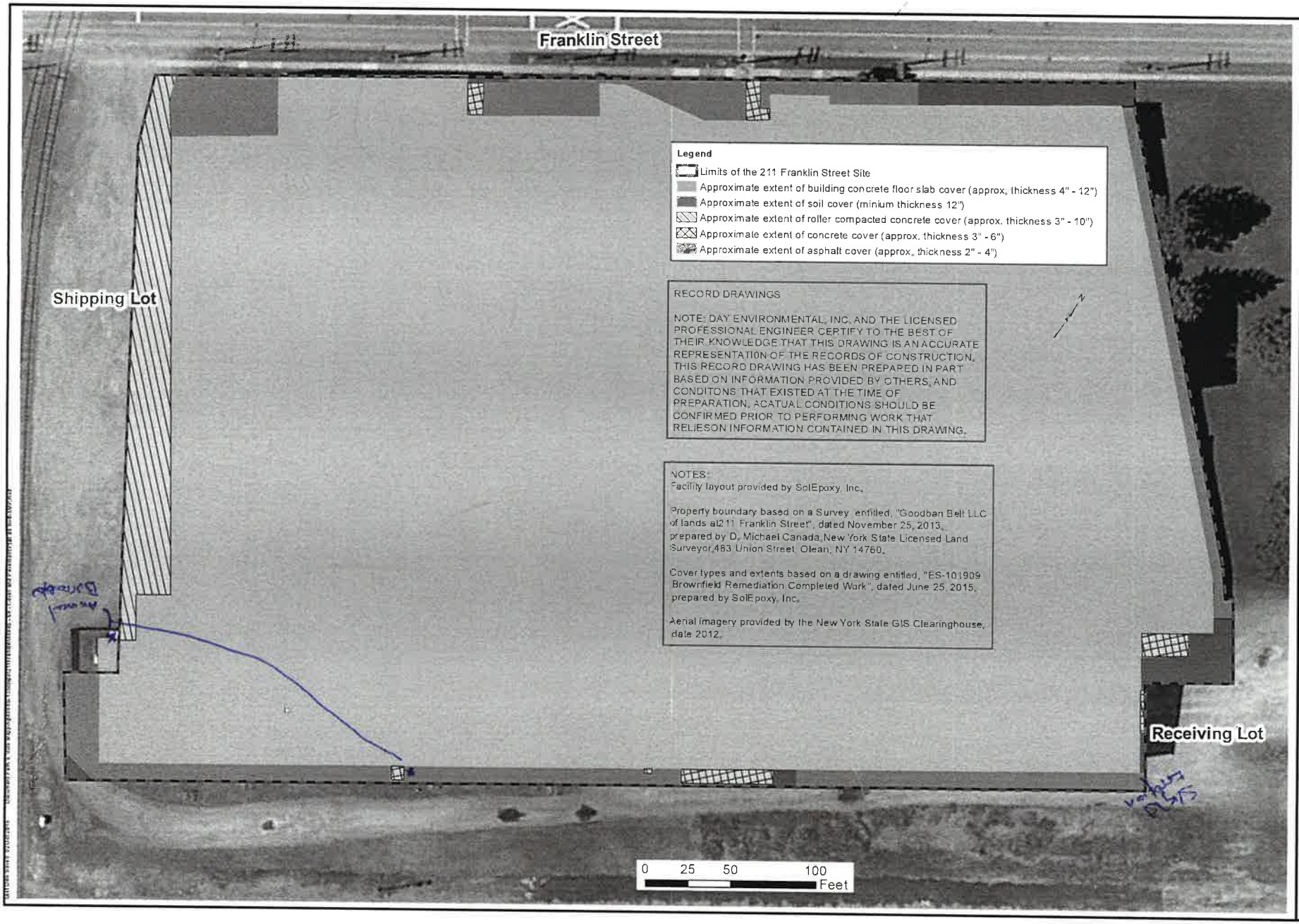
2. **Check integrity of ~~im~~permeable portions (e.g., ~~concrete~~ soil) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

Permeable portions of cover system intact and in good condition. Two animal burrows noted (see attached figure through cover. M. Wendel also identified area of erosion (SE corner of site) where supplemental soil cover was added. Area appears intact & vegetation partially covering replaced soil.

3. **Check integrity of impermeable portions (e.g., concrete) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:



DESIGNED BY RLK
DATE 08-2015
DRAWN BY CAH
DATE DRAWN 08-2015
SCALE AS NOTED
DATE ISSUED 08-19-2015

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

Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

BCP SITE NO. C905038 SITE MANAGEMENT PLAN

Drawing Title
Site Wide Cover System Plan

6/29/16 - Cover obs w/ Mark Wendel
B.V. 16.00 - 16.30

Project No.
4884S-13

FIGURE 10

View, facing south, of the concrete pavement cover over the shipping lot on the west portion of the Site.

View, facing north, of the concrete pavement cover over the shipping lot on the west portion of the Site

View, facing north, of the concrete/asphalt pavement cover over the receiving lot on the southeast portion of the Site

View, facing east, of the asphalt pavement cover over the visitor lot on the northeast portion of the Site

View, facing east, of the soil cover over the northwest portion of the Site

View, facing southeast, of the soil cover over the southwest portion of the Site

View, facing west, of the soil cover over the southern edge of the Site

View, facing east, of the soil cover over the southern edge of the Site

View, facing north, of the soil cover over the eastern edge of the Site

View, facing southwest, of the soil cover over the northern edge of the Site

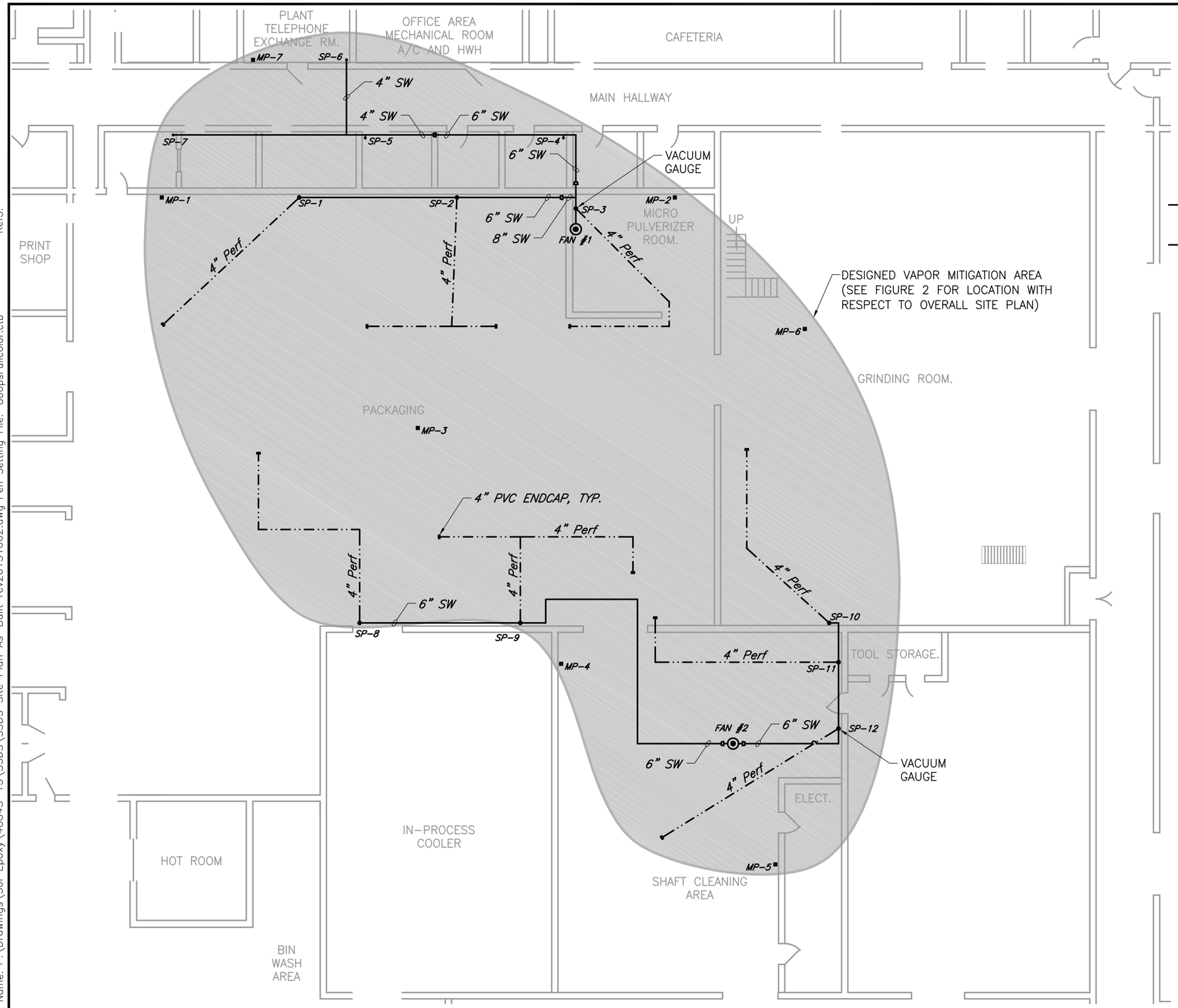
View, facing west, of the soil cover over the northern edge of the Site

View of area at the southeast corner of the Site where erosion had degraded cover soil and was subsequently repaired with the addition of supplemental cover soil (and gravel on off-site portion)

View of area where animal burrow was noted in the soil cover during 6/29/16 site-wide inspection, and was subsequently repaired with the addition of supplemental cover soil.

ATTACHMENT C

SSDS PERIODIC MONITORING AND ANNUAL INSPECTION RESULTS



N

LEGEND

- 4" Perf — SSDS Perforated Pipe
- 6" SW — SSDS Solid Wall Pipe
- SP• — SSDS Suction Point And Vertical Standpipe Location
- MP-2 — SSDS Monitoring Point Location
- Rooftop Exhaust Fan

NOTE:

Facility layout provided by SolEpoxy, Inc.

RECORD DRAWINGS

NOTE:

DAY ENVIRONMENTAL, INC. AND THE LICENSED PROFESSIONAL ENGINEER CERTIFY TO THE BEST OF THEIR KNOWLEDGE THAT THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE RECORDS OF CONSTRUCTION. THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED ON INFORMATION PROVIDED BY OTHERS, AND CONDITIONS THAT EXISTED AT THE TIME OF PREPARATION. ACTUAL CONDITIONS SHOULD BE CONFIRMED PRIOR TO PERFORMING WORK THAT RELIES ON INFORMATION CONTAINED IN THIS DRAWING.

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) AS-BUILT PLAN

SCALE: 1/16 = 1'-0"

0' 16' 32'

DESIGNED BY	BFK
DATE	7-2015
DRAWN BY	RJM
DATE DRAWN	8-14-2015
SCALE	As Noted
DATE ISSUED	8-14-2015

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
211 FRANKLIN STREET
OLEAN, NEW YORK

BCP SITE NO. C905038 OPERATION & MAINTENANCE PLAN

DRAWING TITLE
Site Plan Depicting As-Built Sub-Slab Depressurization System (SSDS) Components

PROJECT NO.
4884S-13

J-1

Ref1:
Ref2:
Ref3:

Time Plotted: Friday, October 02, 2015 2:07:58 PM
File Name: P:\Drawings\Sol Epoxy\4884S-13\SSDS\SSDS Site Plan As-Built rev20151002.dwg Pen Setting File: 800psFullcolor.ctb
Layout Name: Layout2
Xerox4320AnsiB-2; 11 x 17

SSDS Monthly Inspection (Fan #1)						
		Inspector		Date		Reading
Jan-16		J. Cottle		1-20-16		2.2
Feb-16		B. Pierce		2-16-16		2.1
Mar-16		D. Lund		3-16-16		2.1
Apr-16		D Lund		4-20-16		2.1
May-16		D Lund		5-19-16		2.2
Jun-16		D Lund		6/6/16		2.3
Jul-16		D. L		7/18/16		2.4
Aug-16		B Pierce		8/3/16		2.4
Sep-16		Brad Hanson		9/19/16		2.5
Oct-16		D. Lund		10/21/16		2.5
Nov-16		D Lund		11/9/16		2.4
Dec-16		D Lund		12/8/16		2.4
JAN-17		B Pierce		1/5/17		2.4

*Reading should be greater than or equal to 1.7 in.

*Static pressure readings below these values require system repair, maintenance and/or engineering evaluation to confirm continued effectiveness

SSDS Monthly Inspection (Fan #2)						
		Inspector		Date		Reading
Jan-16		J. Colletto		1-20-16		1.2
Feb-16		B. Pearson		2-16-16		1.2
Mar-16		D. Lund		3-16-16		1.2
Apr-16		K. J		4/20/16		1.2
May-16		D. Lund		5/19/16		1.2
Jun-16		D. Lund		6/6/16		1.3
Jul-16		K. J		7/18/16		1.8
Aug-16		B. Pearson		8/23/16		1.7
Sep-16		B. Pearson		9/19/16		1.8
Oct-16		D. Lund		10/21/16		1.7
Nov-16		D. Lund		11/9/16		1.7
Dec-16		D. Lund		12/5/16		1.7
JAN-17		B. Pearson		1/5/17		1.7

*Reading should be greater than or equal to 1.2 in.

*Static pressure readings below these values require system repair, maintenance and/or engineering evaluation to confirm continued effectiveness

SSDS INSPECTION LOG FORM

QUARTERLY INSPECTION	Fan #1				Fan #2			
Date								
Inspector								
Static Pressure (in. H_2O vacuum)								
Static Pressure Required* (in. H_2O vacuum)	≥ 1.7 in.	≥ 1.7 in.	≥ 1.7 in.	≥ 1.7 in.	≥ 1.2 in.	≥ 1.2 in.	≥ 1.2 in.	≥ 1.2 in.

ANNUAL INSPECTION	Fan #1	Fan #2
Date	6/20/16	6/20/16
Inspector	Doug Lourc	Doug Lourc
Fan Operation Confirmed	Yes	Yes
Exhaust Point Free of Obstruction	yes	yes
Fan Checked for :		
Vibration/Noise	yes	yes
Damage	yes	yes
Secure Mounting	yes	yes
Secure Power Connection	yes	yes
Piping Checked for:		
Damage	yes	yes
Secure Mounting	yes	yes
Transition Seals Secure	yes	yes

*Static pressures reading(s) below these values require systems repair, maintenance and/or engineering evaluation to confirm continued effectiveness.

ATTACHMENT D

INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION FORMS

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C905038**

Site Name 211 Franklin Street

Site Address: 211 Franklin Street Zip Code: 14760
City/Town: Olean
County: Cattaraugus
Site Acreage: 5.8

Reporting Period: November 12, 2015 to February 10, 2017

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	X	☐

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

Copies of NYSDEC DEC PERMIT# 9-9 -0412-00014/02001 and City of Olean Permit #E-1-15 are attached.

5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C905038 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
94.040-1-21	Silence Dogwood LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
94.040-1-21	Vapor Mitigation Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C905038

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeffrey Belt (print name) at 211 Franklin Street, Olean, NY 14760 (print business address),

am certifying as Representative of the Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

07 MAR 2017
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Barton F. Kline (print name) at Day Environmental, Inc., 1563 Lyell Avenue, Rochester, NY 14606, (print business address)

am certifying as a Professional Engineer for the Owner, Silence Dogood, LLC. (Owner or Remedial Party)

B. F. Kline — 3/6/17

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification — Stamp — Date

NYSDEC

AIR PERMIT # 9-9 -0412-00014/02001

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 9 Main Office
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7000 | F: (716) 851-7211
www.dec.ny.gov

July 16, 2015

Mr. Robert Groele
Soelpoxy Inc.
211 Franklin Street
Olean, New York 14760

Dear Permittee:

PERMIT TRANSMITTAL LETTER
DEC PERMIT # 9-9-0412-00014/02001

Enclosed is your permit which was issued in accordance with applicable provisions of the Environmental Conservation Law. The permit is valid for only that project, activity or operation expressly authorized.

The DEC permit number and Program ID number, if applicable, should be retained for your records and should be referenced on all future correspondence and applications related to the permit. If modifications are desired after permit issuance, you must submit the proposed revisions and receive written approval from the Permit Administrator prior to initiating any change. If the Department determines that the modification represents a material change in the scope of the authorized project, activity, operation or permit conditions, you will be required to submit a new application for permit.

Please note the expiration date of the permit. Applications for permit renewal should be made well in advance of the expiration date (minimum of 30 days) and submitted to the Regional Permit Administrator at the above address. For SPDES, Solid Waste and Hazardous Waste Permits, renewals must be made at least 180 days prior to the expiration date.

Please review all permit conditions carefully. In particular, identify your initial responsibilities under this permit in order to assure timely action if required. Since failure to comply precisely with permit conditions may be treated as a violation of the environmental conservation law, you are requested to provide a copy of the permit to the project contractor, facility operator, and other persons directly responsible for permit implementation (if any).

If you have any questions, please contact this office at the above address.

Respectfully,
David S. Denk
Regional Permit Administrator

DSD:lj

Enclosure

ecc: Captain Frank Lauricella, Division of Law Enforcement, NYSDEC Region 9
Alfred Carlacci, RAPCE, NYSDEC Region 9 Buffalo, Attn: Geoffrey Knall

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-0412-00014/02001
Effective Date: 07/16/2015 Expiration Date: 07/15/2025

Permit Issued To:SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760

Contact: ROBERT GROELE
SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760

Facility: SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760-1297

Description:
SolEpoxy manufactures epoxy molding compounds and epoxy coating powders for the protection and insulation of electrical, electronic and microelectronic components in the City of Olean, Cattaraugus County. SolEpoxy was formerly known as Henkel Adhesive Corporation until September 2010. SolEpoxy's manufacturing processes includes batch mixing, blending, extruding, grinding, and packaging.

This renewal is being issued to remove most of the liquid encapsulants production line and associated air contaminates from the permit. This renewal will also remove the facility wide emission caps for Volatile Organic Compounds (VOC), Total Hazardous Air Pollutants (HAP), and individual HAPs such as; Methyl Alcohol, Methyl Ethyl Ketone (MEK), 2-Pentanone 4-Methyl, Formaldehyde, Toluene, and Trichloroethylene (TCE). Due to a decline in production along with the removal of most of liquid encapsulation production line, SolEpoxy's emissions are low enough that they do not need to cap out of Title V applicability. SolEpoxy is still required to calculate and keep track of all emissions emitted from the facility. All of the processes are in one emission unit, U-00001.

The caps for SolEpoxy were introduced into permit when the facility was still owned by Henkel. At the time the Potential to Emit (PTE) was derived from conservative calculations with the facility only making products with the highest emissions. This yielded a PTE of 90 tons for HAPs and 92 tons for VOCs. SolEpoxy's current PTE has dwindled to 0.13 tons for HAPs and 8.98 tons for VOCs. Because the facility has 51 emission points it is more economical to keep its Air State Facility permit than to apply for an Air Registration.

The liquid encapsulants were manufactured under processes R02, R05, and R07. These processes have been discontinued and removed from the permit. The HAPs derived from these

processes; Formaldehyde, Toluene, and Trichloroethylene (TCE), are no longer emitted from the facility. The production of the liquid encapsulants have been relocated to another facility. Only a few pieces of equipment remain in the building and in the permit. Should the liquid encapsulant line become active again, SolEpoxy does not intend to operate the production line in a manner that will produce the former HAPs associated with the encapsulatant production, i.e. Formaldehyde, Toluene and TCE.

SolEpoxy also uses a Heptane Silicone release spray to ensure epoxies do not stick to their plastic mold trays, which are used to produce Light Emitting Diode (LED) product. This would be classified as a Class "B" spray coating operation in 6NYCRR Subpart 228-1. However, SolEpoxy's actual VOC emissions are about 1 ton per year which is below the 3 ton per year applicability level that requires the use of complaint coatings. The facility must still comply with 228-1.3 General Requirements for records and housekeeping. The usage of the release spray is tracked.

The permit includes opacity and particulate emissions limits at the facility level. SolEpoxy shall not allow emissions with an average opacity during any six consecutive minutes to exceed 20 percent or greater from any stack or emission point, except only the emission of uncombined water. Similarly particulate emissions shall not exceed 0.050 grains per dry standard cubic foot from any emission point at the facility.

SolEpoxy also has two industrial size boilers, one rated at 200 horsepower and the other at 80 horsepower. Both boilers only fire natural gas, therefore they are not subject to 40 CFR63 Subpart JJJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources. These boilers are rated less than 10 million Btu/hr and are exempt from permitting under 6NYCRR Part 201-3.2(c)(1)(i).

SolEpoxy has two natural gas emergency generators located at the facility and each one is rated at 34.6 horsepower, and are used only to provide backup lighting for the facility. These emergency generators are exempt from permitting under Subpart 201-3: Permit Exempt and Trivial Activities [6NYCRR Part 201-3.2(c)(6)]. 201-3.2 states that emergency power generating stationary internal combustion engines defined in 201.1(cq) are exempt sources. 200.1(cq) defines an emergency generator a stationary internal combustion engine that operates as an electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year.

However, SolEpoxy must still comply with the requirements of 40CFR63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines which is administered by EPA. The generators are existing emergency generators at an area source of hazardous air pollutants. They were manufactured in 1995. In order for the emergency engine to be in compliance with Subpart ZZZZ, the facility must follow the requirements in §63.6603(a) Table 2d, item 5, which are listed below.

(1) Change oil and filter every 500 hours of operation or annually, whichever comes first; The facility has the option to utilize an oil analysis program as specified in 40 CFR 63.6625 to extend the specified oil change requirement.

(2) Inspect the air filter every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

In addition, the engine shall be equipped with a non-resettable hour meter if one is not already installed. The engine shall be operated and maintained per the manufacturer's instructions or your own maintenance plan, per 40 CFR 63.6625(e)(3). SolEpoxy must keep records of operation, maintenance and each malfunction for both of the emergency standby generators to demonstrate compliance with 40 CFR 63 subpart ZZZZ.

SolEpoxy also has one room onsite devoted to Research and Development (R&D). This room contained about 12 mini electric ovens and a small epoxy mixing line. Because this is a small scale R&D project, it is also considered exempt from permitting under Subpart 201-3: Permit Exempt and Trivial Activities [6NYCRR Part 201-3.2(c)(40)].

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: DAVID S DENK
DIVISION OF ENVIRONMENTAL PERMITS
270 MICHIGAN AVE
BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: 7/16/2015

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

PAGE LOCATION OF CONDITIONS

DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760

Facility: SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760-1297

Authorized Activity By Standard Industrial Classification Code:
3087 - CUSTOM COMPOUND PURCHASED RESINS
3089 - PLASTICS PRODUCTS, NEC

Permit Effective Date: 07/16/2015 Permit Expiration Date: 07/15/2025

PAGE LOCATION OF CONDITIONS

PAGE

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: **Acceptable Ambient Air Quality - 6 NYCRR 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: **Maintenance of Equipment - 6 NYCRR 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Item D: **Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or

modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item F: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8
No person shall unnecessarily remove, handle, or cause to be handled,

collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: **Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**
The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: **Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: **Required Emission Tests - 6 NYCRR 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item K: **Open Fires Prohibitions - 6 NYCRR 215.2**
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes

of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: **Exempt Sources - Proof of Eligibility**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 1.1:
The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 2: **Compliance Demonstration**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 2.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 2.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 500.0 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3: **Air pollution prohibited**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 211.1

Item 3.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 4: **Compliance and Enforcement**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 4.1:
The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 5: **Compliance Demonstration**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 5.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 5.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an existing emergency and black start spark ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

(1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
(2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: **Compliance Demonstration**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 6.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 6.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Owners or operators of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed, and record hours of operation, including run time during emergencies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

****** Emission Unit Level ******

Condition 7: **Compliance Demonstration**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 7.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 7.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
For each stack, emissions of solid particulate are limited to less than 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry basis. Compliance testing by the facility will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 8: **Compliance Demonstration**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 8.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 8.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
No persons shall cause or allow emissions having an average opacity

during any six consecutive minutes of 20 percent or greater from any process emission source, except emissions of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation. The facility will also allow the Department to perform the Method 9 evaluation anywhere on plant property.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 9: **Compliance Demonstration**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (a)

Item 9.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0017
Process: R08

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 9.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance will be determined by conducting observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). Observations must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after

the date of the last entry. If the operator observes any visible emissions the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions persist after corrections are made, the permittee will immediately notify the department and may be required to conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 Appendix A Method 9
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (b) (1)

Item 10.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 10.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.

2. Purchase, usage and/or production records of each coating material, including solvents.

3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.

4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.

5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (b) (2)

Item 11.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 11.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Owners and operators of emission sources not subject to 6 NYCRR Part 228-1, as set forth in Paragraphs 228-1.1(b)(9) or (13), or those sources that are using coatings not subject to specific requirements of Part 228-1 as set forth in Paragraph 228-1.3(e)(2), or Clauses 228-1.4(b)(5)(iii)(e), 228-1.4(b)(5)(iii)(i) or 228-1.4(b)(5)(iv), must maintain records on an as used basis. The records must include the relevant regulatory citation of each exemption and quantity of coating used. If the exemption criteria are based on VOC usage, the records must contain calculations and supplier/manufacturer material data sheets for verification of VOC usage. All records required by this Paragraph must be maintained at the facility for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12: Surface Coating- Prohibitions
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (c)

Item 12.1:
This Condition applies to Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 12.2:
(1) No person shall sell, supply, offer for sale, solicit, use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Subpart 228-1.1(a) if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Subpart 228-1.4;

(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subpart 228-1.5(d); and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subpart 228-1.5(e).

(2) Any person selling a coating for use in a coating line subject to Subpart 228-1 must, upon request, provide the user with certification of the VOC content of the coating supplied.

Condition 13: Surface Coating - Handling, storage and disposal
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (d)

Item 13.1:
This Condition applies to Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 13.2:
Within the work area(s) associated with a coating line, the owner or operator of a facility must:

(1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;

(2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;

(3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;

(4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;

(5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;

(6) minimize spills during the handling and transfer of coatings and VOC solvents; and

(7) clean hand held spray guns by one of the following:

(i) an enclosed spray gun cleaning system that is kept closed when not in use;

(ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;

(iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or

(iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**
Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 14: Contaminant List
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:ECL 19-0301

Item 14.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**
Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 14: **Contaminant List**
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:ECL 19-0301

Item 14.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this

permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY075-00-0
Name: PARTICULATES

Condition 15: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 201-1.4

Item 15.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 16: Emission Unit Definition
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 16.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00001
Emission Unit Description:
This emission unit uses batch mixing operations to produce electronic formulated liquids. This emission unit also uses blending, extruding, grinding and packaging operations to produce molding powders and coating powders. This unit contains all eleven processes at the facility; identified as R01, R03, R04, R06, R08, R09, R10, R11, R12, R13 and R14, and all 51 emission points.

Building(s): 01

Condition 17: Renewal deadlines for state facility permits
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 17.1:
The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 18: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 18.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 18.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 9
270 Michigan Ave.
Buffalo, NY 14203

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 19: Visible Emissions Limited

Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 211.2

Item 19.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

****** Emission Unit Level ******

Condition 20: Emission Point Definition By Emission Unit
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 20.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: E0001
Height (ft.): 24 Diameter (in.): 12
NYTMN (km.): 4666. NYTME (km.): 215.4 Building: 01

Emission Point: E0002
Height (ft.): 24 Diameter (in.): 24
NYTMN (km.): 4666. NYTME (km.): 215.4 Building: 01

Emission Point: E0003
Height (ft.): 17 Diameter (in.): 2
NYTMN (km.): 4666. NYTME (km.): 215.4 Building: 01

Emission Point: E0004
Height (ft.): 17 Diameter (in.): 2
NYTMN (km.): 4666. NYTME (km.): 215.4 Building: 01

Emission Point: E0012
Height (ft.): 37 Diameter (in.): 18
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0013
Height (ft.): 29 Diameter (in.): 18
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0014
Height (ft.): 26 Diameter (in.): 10
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0015
Height (ft.): 36 Diameter (in.): 28
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0016
Height (ft.): 28 Diameter (in.): 18
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0017
Height (ft.): 35 Diameter (in.): 24
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0018
Height (ft.): 23 Diameter (in.): 12
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0019
Height (ft.): 23 Diameter (in.): 12
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0020
Height (ft.): 27 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0021
Height (ft.): 28 Diameter (in.): 16
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0022
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0023
Height (ft.): 14 Diameter (in.): 2
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0027
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0028
Height (ft.): 31 Diameter (in.): 2
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0030
Height (ft.): 29 Diameter (in.): 1
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0031
Height (ft.): 29 Diameter (in.): 3
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0034
Height (ft.): 23 Diameter (in.): 2
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0038
Height (ft.): 17 Diameter (in.): 18
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0039
Height (ft.): 18 Diameter (in.): 6
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0041
Height (ft.): 19 Diameter (in.): 4
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0042
Height (ft.): 19 Diameter (in.): 3
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0043
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0044
Height (ft.): 19 Diameter (in.): 4
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0045
Height (ft.): 37 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0047
Height (ft.): 23 Length (in.): 9 Width (in.): 6
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0048
Height (ft.): 28 Diameter (in.): 18
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0049
Height (ft.): 17 Diameter (in.): 18
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0051
Height (ft.): 21 Diameter (in.): 4
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0052
Height (ft.): 27 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0053
Height (ft.): 19 Length (in.): 10 Width (in.): 12
NYTMN (km.): 4665.8 NYTME (km.): 215.4 Building: 01

Emission Point: E0054
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Emission Point: E0055
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Emission Point: E0056
Height (ft.): 15 Diameter (in.): 4
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Emission Point: E0057
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Emission Point: E0058
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Emission Point: E0059
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Emission Point: E0060
Height (ft.): 21 Diameter (in.): 8
NYTMN (km.): 4665.8 NYTME (km.): 215.4

Condition 21: Process Definition By Emission Unit
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 21.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R01 Source Classification Code: 3-13-065-99
Process Description:
This process contains three batch reactors used to produce formulated liquids needed in the manufacture of solid state electronic parts. .

Emission Source/Control: C0001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0001 - Process

Emission Source/Control: S0002 - Process

Emission Source/Control: S0003 - Process

Item 21.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R03 Source Classification Code: 3-13-065-99
Process Description:
An A-Tank and a K-Tank mixer used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0007 - Process

Item 21.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R04 Source Classification Code: 3-13-065-99
Process Description:
This process contains several mixers and a roll mill used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0002 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: C0003 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: S0009 - Process

Emission Source/Control: S0010 - Process

Emission Source/Control: S0011 - Process

Emission Source/Control: S0013 - Process

Emission Source/Control: S0015 - Process

Emission Source/Control: S0017 - Process

Emission Source/Control: S0018 - Process

Emission Source/Control: S0019 - Process

Item 21.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R06 Source Classification Code: 3-13-065-99
Process Description:
This process contains several batch reactors, a mixer and a KADY disperser used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0033 - Process

Emission Source/Control: S0037 - Process

Emission Source/Control: S0039 - Process

Item 21.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R08 Source Classification Code: 3-13-065-99
Process Description:
This process contains two batch reactors, a spray booth, a weigh station, a packaging table, a mixer, a pour hood and a rack hood all used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0029 - Process

Emission Source/Control: S0046 - Process

Emission Source/Control: S0047 - Process

Emission Source/Control: S0048 - Process

Emission Source/Control: S0049 - Process

Emission Source/Control: S0050 - Process

Emission Source/Control: S0051 - Process

Emission Source/Control: S0052 - Process

Item 21.6:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R09 Source Classification Code: 3-13-065-99

Process Description:
This process contains 13 ovens and two packing hoods all used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: S0053 - Process

Emission Source/Control: S0055 - Process

Emission Source/Control: S0057 - Process

Emission Source/Control: S0058 - Process

Emission Source/Control: S0059 - Process

Emission Source/Control: S0060 - Process

Emission Source/Control: S0061 - Process

Emission Source/Control: S0062 - Process

Emission Source/Control: S0063 - Process

Emission Source/Control: S0100 - Process

Emission Source/Control: S0101 - Process

Emission Source/Control: S0103 - Process

Emission Source/Control: S0104 - Process

Emission Source/Control: S0105 - Process

Emission Source/Control: S0106 - Process

Item 21.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R10 Source Classification Code: 3-13-065-99
Process Description:
This process contains a flash dryer and a mixer both used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0005 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0064 - Process

Emission Source/Control: S0065 - Process

Item 21.8:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R11 Source Classification Code: 3-13-065-99
Process Description:
This process contains seven (7) ribbon blenders, two grinders and two weigh stations used to produce molding powders and coating powders.

Emission Source/Control: C0006 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0008 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0015 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0016 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0017 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0018 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0019 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0066 - Process

Emission Source/Control: S0067 - Process

Emission Source/Control: S0068 - Process

Emission Source/Control: S0069 - Process

Emission Source/Control: S0070 - Process

Emission Source/Control: S0071 - Process

Emission Source/Control: S0072 - Process

Emission Source/Control: S0075 - Process

Emission Source/Control: S0076 - Process

Emission Source/Control: S0077 - Process

Item 21.9:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R12 Source Classification Code: 3-13-065-99
Process Description:
This process contains six (6) extruders and a central vacuum exhaust system used to produce molding powders and coating powders.

Emission Source/Control: C0014 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0078 - Process

Emission Source/Control: S0079 - Process

Emission Source/Control: S0080 - Process

Emission Source/Control: S0081 - Process

Emission Source/Control: S0082 - Process

Emission Source/Control: S0083 - Process

Emission Source/Control: S0102 - Process

Item 21.10:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R13 Source Classification Code: 3-13-065-99
Process Description:
This process contains two extruders and a grinder to produce scale up quanities of molding powders and coating powders.

Emission Source/Control: C0009 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0086 - Process

Emission Source/Control: S0087 - Process

Emission Source/Control: S0088 - Process

Item 21.11:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: R14 Source Classification Code: 3-13-065-99
Process Description:
This process contains packaging and classifing equiptment used to produce molding powders and coating powders.

Emission Source/Control: C0010 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0091 - Process

Emission Source/Control: S0092 - Process

Emission Source/Control: S0094 - Process

CITY OF OLEAN

WASTEWATER DISCHARGE PERMIT NO. E-1-15

PERMIT NO. E-1-15

City of Olean
Industrial Pretreatment Program
W A S T E W A T E R D I S C H A R G E P E R M I T

In accordance with all terms and conditions of the City Code of Ordinances, Chapter 27, et. seq., and with any applicable provisions of Federal or State law or regulation, permission for the contribution of wastewaters containing regulated pollutants into the City of Olean sewage system is hereby granted to:

SolEpoxy, Inc.
211 Franklin Street
Olean, NY 14760

Responsible Person: Robert Groele
Title: VP Engineering
Telephone: 716-372-6300 X-290 e-mail: Robert.groele@solepoxy.com

Facility Representative: Mark Wendel
Title: Maintenance Manager
Telephone: 716-372-6300 X-239 e-mail: mark.wendel@solepoxy.com

Facility Representative:
Title:
Telephone: 372-6300 e-mail:

STANDARD INDUSTRIAL CLASSIFICATION CODE: **3087**

This permit is granted in accordance with the application filed in May 2015 and in conformity with any plans, specifications and other data submitted in support of the above application, all of which are filed with and considered a part of this permit. In addition, the following general and special conditions are a part of this permit. Any part of this permit, may be modified at any time during the period it is in force.

Effective**: June 1, 2015**
Expires **: May 31, 2018**

Approved by:	Mayor, City of Olean		WWTP Senior Operator
Name:	William Aiello	OR	Brad Camp
Signature:			
Date:	5/28/15		5/28/15

GENERAL PROVISIONS

G-1. CORRESPONDENCE

All submittals and correspondence should be addressed to :

Wastewater Treatment Plant Senior Operator
City of Olean Wastewater Treatment Plant
174 S. 19th Street
Olean, New York 14760

G-2. SPILL PREVENTION CONTROL PROGRAM

The industrial user shall take all reasonable precautions to prevent accidental spills in order to eliminate or minimize the accidental or slug discharge of pollutants into the sewer system.

The industrial user shall notify the City immediately upon any accidental or slug discharge to the sanitary sewer. Formal written notification discussing circumstances and remedies shall be submitted to the City within 5 days of the occurrence.

G-3. DILUTION

No industrial user shall increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

G-4. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS

The disposal of sludges and spent chemicals generated shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act and any other applicable statutes or regulations pertaining to disposal of sludges and spent chemicals.

All industrial users must notify in writing the POTW, the New York State Department of Environmental Conservation and the United States Environmental Protection Agency of any discharge that would be considered a hazardous waste if disposed of in a different manner.

G-5. PROHIBITIONS

No industrial user may discharge any pollutant that may create an explosive hazard including but not limited to wastestreams with a closed cup flash point of less than 140^{o} F or 60^{o} C using testing methods specified in 40 CFR 261.21.

No industrial user shall discharge petroleum oil, non- biodegradable cutting oil, products of mineral oil origin in amounts that will cause interference or pass through.

No industrial user shall discharge any pollutant that may result in the presence of toxic gases, vapors or fumes in a quantity that may cause acute worker health and/or safety problems.

G-6. SIGNATORY REQUIREMENTS

All reports required by this permit shall be signed by a principal executive officer of the user, or his designee. Electronic submittal of permit applications, reports and other correcpondence shall be documented in a letter bearing an appropriate signature.

G-7. CHANGE IN DISCHARGE

The industrial user shall promptly and as soon as possible notify the City in advance of the introduction of new wastewater or pollutants or any substantial change in the volume or characteristics of the wastewater being introduced into the public sewers from the user's industrial processes including listed or characteristic hazardous wastes. The notification shall be in conformance with 40CFR Part 122.41(l)(i) and 40CFR 403.12(p). Formal written notification shall follow within 30 days of such introduction.

G-8. FAILURE TO REAPPLY

The City may seek temporary restraining orders, plug or disconnect service or permanent injunctions if there is an imminent danger to health, safety or property when after inspection, monitoring or analysis it is determined that the discharge or wastewater to the sanitary sewer is in violation of Federal, State or local laws, ordinances or regulations.

G-9. LIMITATION OF PERMIT TRANSFER

Wastewater discharge permits are issued to a specific user for a specific operation and are not assignable to another user or transferable to any other location without the prior written approval of the City. Sale of a user shall obligate the purchaser to seek prior written approval of the City for continued discharge to the sewage system.

G-10. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT

Knowingly making any false statement on any report or other document required by this permit or knowingly rendering any monitoring device or method inaccurate, may result in punishment under the criminal laws of the City, as well as being subjected to civil penalties and relief.

G-11. MODIFICATION OR REVISION OF THE PERMIT

a) The terms and conditions of this permit may be subject to modification by the City at any time as limitations or requirements as identified by the City's Ordinance, are modified or other just cause exists.
b) This permit may also be modified to incorporate special conditions resulting from the issuance of a special order.
c) The terms and conditions may be modified as a result of EPA promulgating a new Federal pretreatment standard.

G-12. DUTY TO REAPPLY

Within ninety (90) days of the notification, the user shall reapply for reissuance of the permit on a form provided by the City.

G-13. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

SAMPLING and ANALYSES

S-1. SAMPLE METHODS

Wastewater discharge samples and analyses and flow measurements taken as required in this permit shall be representative of the volume and character of the permitted discharge. Sampling and analytical methods shall be in accordance with accepted National Environmental Laboratory Approval Program (NELAP) protocol. Contracted laboratories must be NELAP certified by the New York State Department of Health.

S-2. SAMPLING MANHOLE

The industrial user shall construct a sampling manhole if the Wastewater Treatment Plant Chief Operator, or the Director of Public Works, determines such sampling point is required.

S-3. SAMPLING – NOTIFICATION

The permittee shall notify the Wastewater Treatment Plant Chief Operator, at least one week prior to conducting self-monitoring for the purpose of taking wastewater discharge samples for analysis,

S-4. SAMPLE ANALYSES- REQUIREMENTS

The industrial user is required to monitor the parameters listed for each sample point.

SAMPLE POINT: mixing chamber (in liquids room)		
PARAMETER	**DISCHARGE LIMITS**	**SAMPLE TYPE**
pH	6.0-9.0	4 Grabs (TAKEN WITHIN 24 HOUR PERIOD)
Oil and Grease	50 mg/l (DAILY MAXIMUM)	4 Grabs (TAKEN WITHIN 24 HOUR PERIOD)
1,1,1-Trichloroethane	0.049 mg/l (DAILY MAXIMUM)	4 Grabs (TAKEN WITHIN 24 HOUR PERIOD)
Trichloroethylene	1.0 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Chromium (+6)	1.5mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Copper (Total)	2.1 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Cadmium (Total)	1.0 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Lead (Total)	5.0 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Nickel (Total)	0.9 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Zinc (Total)	3.5 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Arsenic (Total)	0.02 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Mercury (Total)	0.05 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
Silver (Total)	5.0 mg/l (DAILY MAXIMUM)	24 Hour Composite (flow based)
BOD_5	250 mg/l*	24 Hour Composite (flow based)
TSS	250 mg/l*	24 Hour Composite (flow based)
Flow	Monitor	24 Hr. Total (recorded hourly)

*Five (5) day Biochemical Oxygen Demand and Total Suspended Solids discharges greater than 250 mg/l shall be subject to review and approval by the WWTP Chief Operator or the Director of Public Works.

Other pollutants, as specified by the City, shall be sampled on a schedule determined by the City if said additional monitoring is deemed necessary by the City in order to assure compliance with City, State and Federal standards.

S-5 SAMPLE ANALYSES – REPORTING

The industrial user is required to submit to the City a self monitoring report on the analytical results of its sampling **May 15** and **October 15** of each year.

A statement shall be included in all monitoring reports pertaining to the protocols used during the sampling and/or analyses. A proper monitoring report shall contain the following information:

- Exact time and place of sample
- Dates of sample
- Dates analyses were performed
- Person performing sampling and/or analyses
- Analytical techniques or methods used
- Analytical results including proper units
- A map indicating sampling location
- Chain of Custody Log

If sampling by the industrial user indicates a violation, the user must notify the City within 24 hours of becoming aware of the violation. The industrial user must also resample and submit results of this resampling to the City within thirty (30) days.

INSPECTION

I-1. RIGHT OF ENTRY

The industrial user shall, after reasonable notification by the City, allow the City or its representative, exhibiting proper credentials and identification, to enter upon the premises of the user, at all reasonable hours, for the purposes of inspection, sampling, or records inspection. Reasonable hours in the context of inspection and sampling includes any time the industrial user is operating any process which results in a process wastewater discharge to the City's sewage system.

I-2. RECORDS RETENTION

a) The industrial user shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and any and all summaries thereof, relating to monitoring, sampling and chemical analyses made by or in behalf of the user in connection with its discharge.
b) All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the City shall be retained and preserved by the industrial user until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

COMPLIANCE

C-1. CITY ORDINANCE

The industrial user shall comply will all the general discharge standards of the City Sewer Use Ordinance (Chapter 27, City Code).

C-2. COMPLIANCE SCHEDULE

In order to meet the wastewater discharge limitations specified elsewhere in this permit, the industrial user may be required to make in-plant process modifications and install a treatment facility. The following construction schedule, if applicable, shall be adhered to and reports on progress shall be submitted to the City, as outlined below:

TASK	COMPLIANCE DATE	APPLICABILITY
Submit baseline monitoring report	NA	Not Applicable at time of issue
Investigate in-plant process modifications and treatment options.	NA	Not Applicable at time of issue
Complete preliminary engineering	NA	Not Applicable at time of issue
Go out to bid	NA	Not Applicable at time of issue
Secure equipment and begin construction	NA	Not Applicable at time of issue
Complete installation	NA	Not Applicable at time of issue
Pretreatment system start-up	NA	Not Applicable at time of issue
Achieve final compliance	NA	Not Applicable at time of issue

C-3. PROGRESS REPORT

Not later than fourteen (14) days following each date in the compliance schedule, the industrial user shall submit a progress report to the City. This report must indicate whether or not the increment of progress was met on the date, the reason(s) for any delay, and what steps are being taken by the user to return to the schedule established. In no event shall more than nine (9) months elapse between such progress reports to the City.

C-4. FINAL COMPLIANCE REPORT

Within 90 days following the final compliance date, the industrial user shall submit a final compliance report. The industrial user will be required to sample its wastewater for the pollutants specified in S-4, and report compliance. Any reasons for not complying and any steps being taken by the user to comply shall be part of the report.

C-5. PRETREATMENT FAILURE

Any upset experienced by the industrial user of its treatment that places it in a temporary state of non-compliance with wastewater discharge limitations contained in this permit or other limitations specified in the City's Ordinance shall be reported to the City within 24 hours of first awareness of the commencement of the upset. A detailed report shall be filed within 5 days. Additionally any violation for any reason, including but not limited to routine monitoring shall be reported within 24 hours of violation detection and the permittee must conduct resampling within 30 days.

C-6. CIVIL AND CRIMINAL PENALTIES

By resolution the Common Council has adopted an Enforcement Response Plan which was previously mailed to permit holders on March 28, 1990 and which is made part of this permit by reference.

Any industrial user who fails to comply with any provisions of the City of Olean sewer use ordinance or this permit may be liable to monetary forfeitures. Fines for significant noncompliance shall be $1,000.00 per day. The continued violation of any provision shall constitute a separate offense for each and every day such violation shall continue.

The City may hold hearings regarding violations and depending upon the outcome of the hearings the director may revoke or suspend the industrial user’s permit to discharge.

C-7. SIGNIFICANT NONCOMPLIANCE

Significant noncompliance involving discharge violations will be calculated on the basis of "rolling quarters". Significant noncompliance shall be based upon data for the previous six (6) months. Quarters shall end on March 31, June 30, September 30 and December 31 of each calendar year.

Significant noncompliance means any violation or group of violations that meets one or more of the following criteria:

- Chronic violations of wastewater discharge limits, defined here as those in which sixty-six (66) percent or more of all of the measurements taken for the same pollutant parameter during a six (6) month period exceed (by any magnitude) a numeric pretreatment standard or requirement, including instantaneous limits, as defined by 40 CFR 403.3(l);
- Technical Review Criteria (TRC) violations, defined here as those in which thirty-three (33) percent or more of all of the measurements for each pollutant parameter taken during a six (6) month period equal or exceed the product of the numeric pretreatment standard or requirement, including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH);
- Any other violation of a pretreatment effluent limit (daily maximum or longer-term average, instantaneous limit, or narrative standard) that the City of Olean determines has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of Wastewater Treatment Plant personnel or the general public);
- Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the Wastewater Treatment Plant's exercise of its emergency authority to halt or prevent any such discharge;
- Failure to meet, within ninety (90) days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance.
- Failure to provide, within thirty (30) days after the due date, required report such as baseline monitoring reports, ninety (90) day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;
- Failure to accurately report noncompliance;
- Any other violation or group of violations, which may include a violation of Best Management Practices, which the City of Olean determines will adversely affect the operation or implementation of the City's pretreatment program.

ATTACHMENT E

LONG-TERM GROUNDWATER MONITORING, 211 FRANKLIN STREET SITE, OLEAN, NEW YORK, BROWNFIELD CLEANUP PROGRAM SITE #C905038,
PREPARED BY DAY ENVIRONMENTAL, INC. AND DATED NOVEMBER 30, 2016

day
DAY ENVIRONMENTAL, INC.

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

November 30, 2016

Division of Environmental Remediation
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2915
Attention: David Szmanski

Re: Long-Term Groundwater Monitoring
211 Franklin Street Site
Olean, New York
Brownfield Cleanup Program Site #C905038

Dear Mr. Szmanski:

Day Environmental, Inc. (DAY) prepared this letter on behalf of Silence Dogood, LLC (Client) to provide a summary of test results for groundwater samples collected from the above referenced property (Site) to date. Additionally based upon the testing completed, a reduction in the post-remediation groundwater sampling and testing program outlined in Section 4.4.1 of the Site Management Plan (SMP) dated October 2015 appears warranted as described herein.

Background

As part of the Remedial Investigation (RI), groundwater samples were collected from thirteen groundwater monitoring wells (designated MW-B though MW-N) installed at the Site on two occasions (i.e., July 10, 2014 and September 30, 2014). Each sample was tested by an analytical laboratory for: target compound list (TCL) volatile organic compounds (VOCs) plus tentatively identified compounds (TICs); TCL semi-volatile organic compounds (SVOCs) plus TICs; target analyate list (TAL) metals; TCL Pesticides and Polychlorinated Biphenyls (PCBs). Pesticides and PCBs were not detected in any of the groundwater samples tested during the RI. The locations of the groundwater monitoring wells are presented on Figure 1. The VOCs, SVOCs, and metals detected in groundwater samples collected as part of the RI are included in Table 1, Table 2 and Table 3, respectively. Groundwater contour maps developed for measurements taken on July 10, 2014 and September 30, 2014 are included in Attachment A.

The RI also included the testing of 29 soil vapor samples collected from locations throughout the Site. This testing identified an area in the central portion of the Site potentially impacted with chlorinated VOCs (particularly trichloroethene) that had the potential to impact indoor air quality. Thus as part of the remedial scheme implemented for the Site a sub-slab depressurization system (SSDS) was installed in the location shown on Figure 1.

The NYSDEC issued a Decision Document (DD) for the Site dated August 2015. The DD required the development of a Site Management Plan (SMP), including "monitoring of groundwater to assess the performance and effectiveness of the remedy". Section 4.4.1 of the SMP outlines the post-remediation groundwater sampling plan, which indicates that groundwater monitoring would be performed for an initial period of five years to assess the performance of the remedy. The frequency of the monitoring is

identified as quarterly for the first year then bi-annually thereafter. As stated in the SMP, samples would be collected from each of the thirteen monitoring wells installed at the Site (i.e., MW-B through MW-N), and tested for TCL VOCs plus TICs, TCL SVOCs plus TICs, and TAL Metals by ELAP approved Analytical Laboratory. The SMP also includes the requirement to annually test indoor air samples for VOCs to assess the effectiveness of the SSDS. The initial round of this testing was completed in March 2016 (i.e., in conjunction with the first post-remediation groundwater monitoring event), and VOCs were not detected at levels exceeding applicable maximum allowable concentrations published by the New York State Department of Health (NYSDOH).

Post-Remediation Groundwater Sampling - March 2016 through September 2016

To date, three post-remediation groundwater sampling events have been completed at the Site, occurring between March 22 and 23, 2016, on June 29, 2016, and on September 27, 2016. During each event groundwater samples were collected from the network of monitoring wells, listed above, in accordance with the groundwater sampling methodology described in the Field Sampling Plan (i.e., included as Appendix F of the SMP), and each sample was tested for TCL VOCs plus TICs, TCL SVOCs plus TICs, and TAL metals in accordance with the provisions outlined in the Quality Assurance Project Plan (i.e., included as Appendix G of the SMP).

The groundwater elevations at each well in the monitoring network, calculated based on measurements made between March 22 and 23, 2016, on June 29, 2016, and on September 27, 2016, are presented on Table 4. Groundwater elevations calculated for measurements made during the RI are also included on Table 4.

Groundwater samples from each event were submitted to eurofins Spectrum Analytical (eurofins) for testing and preparation of an ASP Category B data package. Eurofins is a NYSDOH ELAP-certified analytical laboratory. The VOCs, SVOCs, and metals detected in groundwater samples collected to date as part of the post-remediation testing are included in Table 1, Table 2 and Table 3, respectively. Copies of the laboratory reports (summary packages) prepared by eurofins and executed chain-of-custody documentation for the post-remediation samples collected between March 22 and 23, 2016, on June 29, 2016, and on September 27, 2016 are included in Attachment B. Copies of the ASP Category B laboratory reports are available upon request.

Discussion

The groundwater elevations calculated for the measurements made on March 22 and 23, 2016 are similar to those measured on July 10, 2014, and the groundwater elevations calculated for the measurements made on June 29, 2016 are similar to those measured on September 30, 2014. The groundwater elevations calculated for the measurements made on September 27, 2016 represent the lowest groundwater elevations calculated for the Site, to date. Despite the variation in groundwater elevations, the groundwater flow patterns are similar to those depicted on the groundwater contour maps presented in Attachment A.

As shown on Table 1, several VOCs have been detected in the groundwater samples collected and tested to date in one, or more, sampling event. However no VOC has been detected in a monitoring well during

each sampling event, and none of the VOCs detected exceeded their respective groundwater standards for class GA (i.e., potable drinking water) as referenced in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated June 1998, as amended in January 1999, April 2000, and June 2004. With the exception of samples collected from monitoring wells MW-C, MW-J, and MW-K VOC TICs have been detected in one or more groundwater sample collected/tested to date. Where detected, the total TIC concentrations measured ranged between 5.0 ug/l and 212.1 ug/l, and the highest total TIC concentrations were typically measured in samples collected from hydraulically upgradient monitoring wells in the western portion of the Site.

As shown on Table 2, only the SVOCs 1-methylnaphthalene, di-n-butylphthalate, flourene, butylbenzylphthalate, bis (2-ethylhexyl) phthalate, and caprolactam were detected in the groundwater samples collected and tested to date. Only bis (2-ethylhexyl) phthalate was detected at concentrations that exceeded its class GA groundwater standard. As shown on Table 2, SVOC TICs have been detected in one or more groundwater samples collected to date from each monitoring location at the Site. The total TIC concentrations measured ranged between 4.2 ug/l and 1,089 ug/l, and the highest total TIC concentrations were typically measured in samples collected from hydraulically upgradient monitoring wells in the western portion of the Site.

As shown on Table 3, each TAL Metal was detected in one or more groundwater sample collected and tested to date. Concentrations of TAL Metals that exceeded their respective class GA groundwater standard on one, or more, occasion include: Antimony, Barium, Chromium, Iron, Magnesium, Manganese, Sodium, Selenium, and Thallium.

Conclusions

The range of concentrations of total VOCs, total VOC TICs, total SVOCs and total SVOC TICs, measured groundwater samples collected and tested during the RI and post-remediation groundwater sampling events (i.e., five sampling rounds, occurring between July 2014 and September 2016) are presented on Table 5. As shown on Table 5 and discussed above, no VOCs and only the SVOC bis (2-ethylhexyl) phthalate detected has been measured at concentrations that exceeded published class GA groundwater standards. The source of bis (2-ethylhexyl) phthalate is unknown, but it is often a sampling/testing artifact. The highest concentrations of total VOC TICs and total SVOC TICs were detected in the upgradient locations (i.e., MW-B, MW-K, and MW-M) and locations in the western portion of the Site (i.e., MW-F and MW-G). As described in the RI, this suggests that groundwater in the western portion of the Site is impacted with petroleum that originated from an off-site location and concentrations do not increase in downgradient locations.

The highest concentrations of total VOCs and total SVOCs measured to date do not appear to represent on-going impacts to groundwater, but rather appear to indicate anomalous compounds detected in a single monitoring event (e.g., acetone, detected in 9 of 13 groundwater samples collected on September 27, 2016, but not detected in the four prior sampling events) or compounds that may be attributable to sampling or testing (i.e., bis (2-ethylhexyl) phthalate). The trend lines depicted on Table 5, do not suggest increasing concentrations of total VOCs or total SVOCs in the groundwater samples tested to date. Similarly, although there is some variation between sample events, the trend lines for total VOC and SVOC TICs, do not suggest increasing concentrations during the five sampling events conducted to date.

The range of concentrations for selected metals, measured in each monitoring location during the RI and post-remediation groundwater sampling events, are presented on Table 6. The metals listed on Table 6 include barium, chromium, magnesium, and thallium, which represent the potential contaminants of concern for groundwater identified during the RI, constituents detected more frequently at higher concentrations during post-remediation testing (i.e., antimony and vanadium), and arsenic, which was identified within the soil at the Site. [Note: The concentrations of iron, manganese and sodium exceeded their respective class GA groundwater standard, but these metals are typical of background conditions. As such, are not considered potential contaminants of concern. Furthermore, although selenium was identified as potential contaminants of concern for groundwater during the RI it has not been detected in subsequent groundwater samples collected from the Site, and is therefore no longer being identified as a potential contaminant of concern.]

As shown on Table 6, the highest concentrations of the selected metals (i.e., antimony, arsenic, barium, chromium magnesium, thallium, and vanadium) were detected in the upgradient monitoring locations (i.e., MW-B, MW-K, and MW-M) and monitoring locations along the western portion of the Site (i.e., MW-F and MW-G). Further, the concentrations of the selected metals presented on Table 6 are generally variable at each sample location over the monitoring period (i.e., July 2014 through September 2016), with occasional spikes (e.g., antimony, arsenic, chromium, thallium, and vanadium) or wide ranges (e.g., barium and magnesium). These inconsistent metal concentrations do not suggest an on-going source of metal contamination to groundwater which originates on the Site, but rather periodic influx of metals in groundwater potentially originating from upgradient locations, influenced by seasonal groundwater fluctuations. In addition, and as shown in the trend lines presented on Table 6, the periodic influx of metals have been observed in samples collected from multiple monitoring locations across the Site (e.g., the higher concentrations of antimony, arsenic, chromium and thallium detected in each, or most, of the groundwater samples collected on June 29, 2016).

Recommendations

It is recommended that post-remediation groundwater sampling and testing continue to be completed in accordance with the procedures, and at the frequency outlined in the SMP. However, due to the redundant nature of the groundwater test results collected to date, it is recommended that the scope of post-remediation groundwater monitoring program be modified to include:

- measurement of static water levels in each of the thirteen monitoring wells installed at the Site (MW-B though MW-N);
- collection of groundwater samples from monitoring wells: MW-C, MW-F, MW-G, MW-H, MW-I, MW-J, MW-K, MW-L, and MW-M; and
- the testing of the samples collected from MW-C, MW-F, MW-G, MW-H, MW-I, MW-J, MW-K, MW-L, and MW-M for the field parameters pH, Specific Conductivity, Dissolved Oxygen, Turbidity, and Oxygen Reduction Potential;
- testing of samples collected from monitoring wells MW-C, MW-F, MW-G, MW-H, MW-I, MW-J, MW-K, MW-L, and MW-M by an analytical laboratory for selected metals (i.e., antimony, arsenic, barium, chromium, magnesium, thallium, and vanadium); and

- the testing of samples collected from monitoring wells MW-C, MW-H. MW-I, MW-J, and MW-M (i.e., monitoring wells positioned in proximity and hydraulically downgradient of the SSDS currently installed and operating at the Site) by an analytical laboratory for TCL VOCs.

Note: The TCL VOC plus TICs and the TCL SVOC plus TICs results collected to date indicate petroleum-related groundwater is migrating onto the Site, and that the concentrations of these constituents do not increase as groundwater migrates through the Site. As such, testing for TCL SVOCs plus TICs no longer appears warranted. With the exception of the testing of samples collected from monitoring wells in proximity of the portion of the Site where VOCs were detected in soil vapor samples for TCL VOCs, testing of TCL VOCs plus TICs also does not appear to be warranted.

The next post-remediation groundwater monitoring event is scheduled for December 2016.

Should you have questions or require further information, please contact DAY.

Very truly yours,

Charles A. Hampton
Project Manager

Raymond L. Kampff
Associate Principal

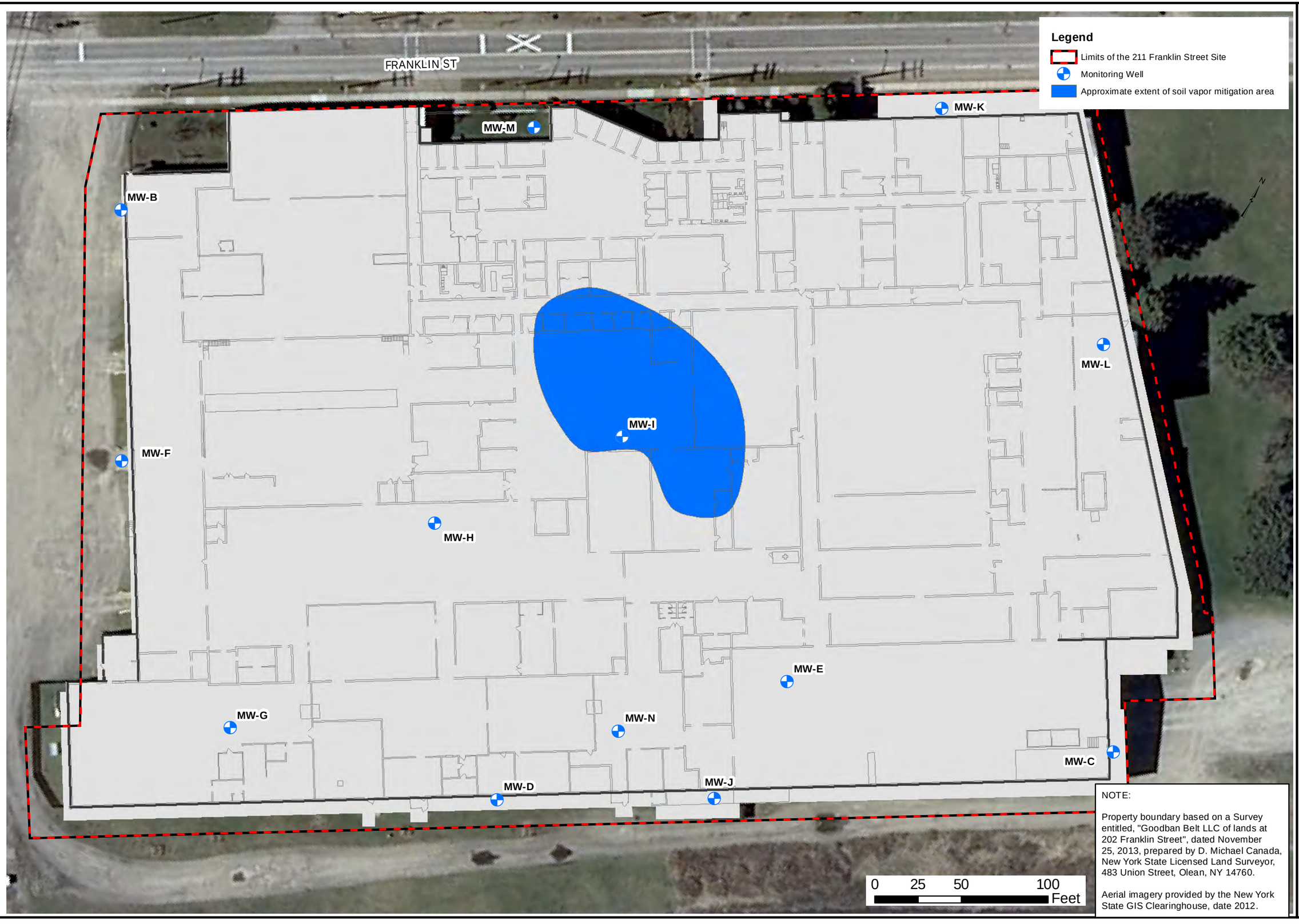
ATTACHMENTS

Figure 1	Site Plan
Table 1	Detected Volatile Organic Compounds (VOCs) in Groundwater Samples
Table 2	Detected Semi-Volatile Organic Compounds (SVOCs) in Groundwater Samples
Table 3	Detected TAL Metals in Groundwater Samples
Table 4	Groundwater Elevation Measurements
Table 5	Summary of Test Results for VOCs and SVOCs in Groundwater Samples collected July 2014 through September 2016
Table 6	Summary of Test Results for Selected Metals in Groundwater Samples collected July 2014 through September 2016
Attachment A	Groundwater Contour Maps: July 10, 2014 and September 30, 2014
Attachment B	eurfins laboratory reports (summary packages) and executed chain-of-custody documentation for sample events: March 22 and 23, 2016, on June 29, 2016, and on September 27, 2016

cc: J. Belt
A. Lopes

CAH1051

FIGURES



Legend

- Limits of the 211 Franklin Street Site
- Monitoring Well
- Approximate extent of soil vapor mitigation area

NOTE:

Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at 202 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada, New York State Licensed Land Surveyor, 483 Union Street, Olean, NY 14760.

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

DESIGNED BY	DATE	DRAWN BY	DATE DRAWN	SCALE	DATE ISSUED
RLK	11-2016	CAH	11-2016	AS NOTED	11-11-2016

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

Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

BCP SITE NO. C905038

Drawing Title
Site Plan

Project No.
4884S-13

FIGURE 1

Last Date Saved: 29 Nov 2016 Document Path: E:\GIS Mapping\4884S-13\olep\211Franklin\4884S - 83 - SMP LTM Status Report - Site Plan.mxd

TABLES

TABLE 1
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905038

DETECTED VOLATILE ORGANIC COMPOUNDS (VOCS) IN GROUNDWATER SAMPLES

Contaminant	Groundwater Standard or Guidance Value	MW-B						MW-C					MW-D					MW-E				
		7/9/2014	7/31/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016	7/10/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/9/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/9/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016
Acetone	50	U	U	U	U	U	U	U	U	U	U	14.8	U	U	U	U	6.0 J	U	U	U	U	3.9 J
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	3.5 J	3.4 J	2.8	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	4.5 J	U	U	U	U	NT	U	U	U	U	NT	2.9 J	U	U	U	NT	U	U	U	U	NT
Methyl acetate	NA	NT	NT	U	U	U	1.5 J	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U
Methylcyclohexane	NA	NT	NT	2.7 J	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U
n-Propylbenzene	5	0.99 J	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
tert-Butyl Alcohol	NA	U	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
tert-Butylbenzene	5	2.8 J	2.7 J	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		8.29	2.7	2.7	U	U	6.8	U	U	3.5	3.4	17.6	2.9	U	U	U	6.0	U	U	U	U	3.9
Total TICs		175	140	75	90.5	11	9.1	U	U	U	U	U	26	U	U	U	5.0	23	U	U	U	U
Total VOCs and TICs		183.29	142.7	77.7	90.5	11	15.9	U	U	3.5	3.4	17.6	28.9	U	U	U	11	23	U	U	U	3.9

Contaminant	Groundwater Standard or Guidance Value	MW-F					MW-G					MW-H					MW-I				
		7/9/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/7/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/8/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016	7/8/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016
Acetone	50	U	U	U	U	10.6	U	U	U	U	U	U	U	U	U	U	U	U	U	U	28.0
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	0.6 J	U	U	U	U	0.6 J	U	U	U	U	0.6 J
Naphthalene	10	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT
Methyl acetate	NA	NT	U	U	U	U	NT	U	U	U	2.0 J	NT	U	U	U	U	NT	U	U	U	U
Methylcyclohexane	NA	NT	U	U	U	U	NT	U	U	UJ	U	NT	U	U	U	U	NT	U	U	U	U
n-Propylbenzene	5	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
tert-Butyl Alcohol	NA	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
tert-Butylbenzene	5	U	U	NT	NT	NT	3.9 J	U	NT	NT	NT	3.9 J	U	NT	NT	NT	2.5 J	U	NT	NT	NT
Toluene	5	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		U	U	U	U	10.6	3.9	U	U	U	2.6	3.9	U	U	U	0.6	2.5	U	U	U	28.6
Total TICs		23	7.1	U	U	U	108	212.1	83.3	31.4	43.1	91	83.1	33.2	17.7	U	U	11.6	U	U	5.8
Total VOCs and TICs		23	7.1	U	U	10.6	111.9	212.1	83.3	31.4	45.7	94.9	83.1	33.2	17.7	0.6	2.5	11.6	U	U	34.4

Contaminant	Groundwater Standard or Guidance Value	MW-J					MW-K					MW-L					MW-M				
		7/10/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/10/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016	7/7/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/9/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016
Acetone	50	U	U	U	U	7.8 J	U	U	U	U	U	U	U	U	U	5.2 J	U	U	U	U	4.9 J
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.5 J
Chloroform	7	U	U	U	U	U	U	U	U	U	U	0.65 J	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	0.5 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT
Methyl acetate	NA	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	1.4 J
Methylcyclohexane	NA	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	UJ	U
n-Propylbenzene	5	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
tert-Butyl Alcohol	NA	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	4.5 J	U	NT	NT	NT
tert-Butylbenzene	5	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	3.6 J	U	NT	NT	NT
Toluene	5	U	U	U	U	U	U	U	U	U	U	0.74 J	U	U	U	U	U	U	U	UJ	U
Total VOCs		U	U	U	U	8.3	U	U	U	U	U	1.39	U	U	0	5.2	8.1	U	U	U	7.8
Total TICs		U	U	U	U	U	U	U	U	U	U	27.7	U	U	U	U	130	22	U	U	U
Total VOCs and TICs		U	U	U	U	8.3	U	U	U	U	U	29.09	U	U	0	5.2	138.1	22	U	U	7.8

Contaminant	Groundwater Standard or Guidance Value	MW-N					Production Well
		7/7/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016	9/30/2014
Acetone	50	U	U	U	U	6.1 J	U
2-Butanone (MEK)	50	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	0.7 J	U
Naphthalene	10	U	U	U	U	NT	U
Methyl acetate	NA	NT	U	U	U	U	U
Methylcyclohexane	NA	NT	U	U	UJ	U	U
n-Propylbenzene	5	U	U	NT	NT	NT	U
tert-Butyl Alcohol	NA	U	U	NT	NT	NT	U
tert-Butylbenzene	5	U	U	NT	NT	NT	U
Toluene	5	U	U	U	UJ	U	U
Total VOCs		U	U	U	U	6.8	U
Total TICs		87	5.1	U	U	U	U
Total VOCs and TICs		87	5.1	U	U	6.8	U

Notes

VOC = Volatile Organic Compou Test results and groundwater standards or guidance values reported in µg/L = micrograms per Liter or parts per billion (ppb). NA = Not Available NA = Not Tested

Groundwater Standards or Guidance Values as referenced in New York State Department of Environmental Conservation (NYSDEC) Technical and Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than the method detection limit. The concentration given is an approximate value.

U = The analyte was analyzed for, but was not detected above the associated reported quantitation limit. Refer to the analytical laboratory report for the associated reported quantitation limit

* = Exceeds Groundwater Standard or Guidance Value

TABLE 2
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905038

DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCS) IN GROUNDWATER SAMPLES

Contaminant	Groundwater Standard or Guidance Value	MW-B					MW-C					MW-D					MW-E				
		7/9/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016	7/10/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/9/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/9/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016
1-Methylnaphthalene	NA	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
Di-n-butylphthalate	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U
Fluorene	50	1.3 J	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U
Butylbenzylphthalate	50	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	UJ	U	U	1.4 J	U	U
Bis (2-ethylhexyl) phthalate	5	U	U	U	U	UJ	U	U	2.1 J	23 *	U	U	U	1.9 J	5.1 J *	UJ	U	U	U	4.9 J	U
Caprolactam	NA	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	UJ	NT	U	U	U	U
Total SVOCs		1.3	U	U	U	U	U	U	2.1	23	U	U	U	1.9	5.1	U	U	U	1.4	4.9	U
Total TICs		154	236.4	530	945	40.1	39.8	4.8	24.6	16.8	U	19.1	8.5	50.3	89.3	U	22	U	192.3	27.6	U
Total SVOCs and TICs		155.3	236.4	530	945	40.1	39.8	4.8	26.7	39.8	U	19.1	8.5	52.2	94.4	U	22	U	193.7	32.5	U

Contaminant	Groundwater Standard or Guidance Value	MW-F					MW-G					MW-H					MW-I				
		7/9/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/7/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/8/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016	7/8/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016
1-Methylnaphthalene	NA	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT
Di-n-butylphthalate	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluorene	50	U	U	U	U	U	U	U	U	U	U	1.1 J	U	U	U	U	U	U	U	U	U
Butylbenzylphthalate	50	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	UJ	U	U	U	U	UJ
Bis (2-ethylhexyl) phthalate	5	U	U	2.8 J	11 *	UJ	U	U	U	U	U	U	U	U	U	UJ	U	U	6.3 J *	5.1 J *	UJ
Caprolactam	NA	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U
Total SVOCs		U	U	2.8	11	U	U	U	U	U	U	1.1	U	U	U	U	U	U	6.3	5.1	U
Total TICs		11	19.5	77.5	346	U	35.1	136.8	614	1089	112.8	171.6	111.8	758	688.4	447.5	18.2	16.6	24.9	531	9.7
Total SVOCs and TICs		11	19.5	80.3	357	U	35.1	136.8	614	1089	112.8	172.7	111.8	758	688.4	447.5	18.2	16.6	31.2	536.1	9.7

Contaminant	Groundwater Standard or Guidance Value	MW-J					MW-K					MW-L					MW-M				
		7/10/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/10/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016	7/7/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/9/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016
1-Methylnaphthalene	NA	U	U	NT	NT	NT	U	U	NT	NT	NT	U	U	NT	NT	NT	2.1 J	U	NT	NT	NT
Di-n-butylphthalate	50	U	U	U	U	U	U	U	U	U	U	1 J	U	U	U	U	U	U	1.3 J	U	U
Fluorene	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Butylbenzylphthalate	50	U	U	U	U	UJ	U	U	U	U	UJ	U	U	U	U	U	U	U	1.1 J	U	UJ
Bis (2-ethylhexyl) phthalate	5	U	U	100 J *	22 *	UJ	U	U	1.6 J	5.2 J *	UJ	U	U	4.3 J	U	U	U	U	4.3 J	U	UJ
Caprolactam	NA	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	U	U	NT	U	U	4.7 J	U
Total SVOCs		U	U	100	22	U	U	U	1.6	5.2	U	1	U	4.3	U	U	2.1	U	6.9	4.7	U
Total TICs		U	11.3	U	99.7	U	52	72	62.7	145.3	U	4.9	4.2	20.6	74.6	U	26.6	49.6	28.6	302.9	298.8
Total SVOCs and TICs		U	11.3	100	121.7	U	52	72	64.3	150.5	U	5.9	4.2	24.9	74.6	U	28.7	49.6	35.5	307.6	298.8

Contaminant	Groundwater Standard or Guidance Value	MW-N					Production Well
		7/7/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016	9/30/2014
1-Methylnaphthalene	NA	U	U	NT	NT	NT	U
Di-n-butylphthalate	50	U	U	U	U	U	U
Fluorene	50	U	U	U	U	U	U
Butylbenzylphthalate	50	U	U	U	U	UJ	U
Bis (2-ethylhexyl) phthalate	5	U	U	U	U	UJ	U
Caprolactam	NA	NT	U	U	5.3 J	U	U
Total SVOCs		U	U	U	5.3	U	U
Total TICs		79	22.9	49.4	113.5	U	U
Total SVOCs and TICs		79	22.9	49.4	118.8	U	U

Notes

NA = Not Availabl SVOC = Semi-Volatile Organic Compound TIC = Tentatively Identified Compound

Test results and groundwater standards or guidance values reported in µg/L = micrograms per Liter or parts per billion (ppb).

Groundwater Standards or Guidance Values as referenced in New York State Department of Environmental Conservation (NYSDEC) Technical and Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
* = Exceeds Groundwater Standard or Guidance Value

TABLE 3
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905038

DETECTED TAL METALS IN GROUNDWATER SAMPLES

Contaminant	Groundwater Standard or Guidance Value	MW-B					MW-C					MW-D					MW-E				
		7/9/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016	7/10/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/9/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/9/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016
Aluminum	NA	U	66.2 J	U	U	U	U	1220.0	18.1 J	U	U	U	U	U	U	U	U	U	U	690.0 J+	38.4 J
Antimony	3	U	U	U	15.5 J+ *	U	U	U	U	8.4 J+ *	U	U	U	U	13.3 J+ *	U	U	U	5.2 J	11.3 J+ *	U
Arsenic	25	U	U	U	9.7 J	U	U	5.1 J	4.0 J	9.1 J	U	U	U	U	12.0 J	U	U	U	U	9.7 J	U
Barium	1,000	616	200	684	143 J+	670 J+	219	221	164 J	146 J+	166 J+	259	200 J	231	248 J+	345 J+	207	223	232	253 J+	219 J+
Calcium	NA	293,000	300,000	358,000	330,000 J+	309,000 J+	114,000	114,000	92,100	79,700 J+	88,500 J+	153,000	133,000	141,000	132,000 J+	249,000 J+	124,000	134,000	14,200	145,000 J+	130,000 J+
Chromium	50	0.86 J	U	0.98 J	3.70 J+	56.20 *	U	1.8 J	0.85 J	2.80 J+	U	U	U	0.46 J	3.20 J+	1.70 J	0.9 J	3.5 J	1.60 J	4.70 J+	U
Cobalt	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.81 J+	U
Copper	200	U	U	1.40 J	1.80 J+	4.0 J	U	4.5 J	U	1.70 J+	U	U	U	U	1.70 J+	U	U	U	1.40 J	5.40 J+	U
Iron	300	156 J	92.4 J	2090.0 *	631.0 *	552 *	U	1510 *	63.5 J	U	13.5 J	663 *	376 *	84.1 J	104.0 J	142	110 J	84 J	161.0 J	1140.0 *	73.8
Lead	25	U	U	U	7.2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4.8 J	U
Magnesium	35,000	20,500	15,700	25,900	19,200 J+	22,300 J+	18,100	18,900	14,600	13,300 J+	14,500 J+	23,600	20,400	22,100	21,300 J+	37,600 J+ *	21,000	22,500	24,600	25,500 J+	22,900 J+
Manganese	300	1,480 *	2,800 *	2,090 *	2,560 J+ *	1,650 *	U	122	2.2 J	1.3 J+	U	752 *	619 *	501 *	577 J+ *	1,610 *	U	U	5.6 J	75.7 J+	8.2
Mercury	0.7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Nickel	100	U	U	2.9 J	3.7 J	20.2	U	1.5 J	1.5 J	2.1 J	U	U	U	1.9 J	3.2 J	U	U	U	1.5 J	4.3 J	U
Potassium	NA	6,730 E	6,240	7,960	6,240	7,090	3,660	4,510	3,460	2,820	3,100	5,130 E	5,200	5,100	4,880	5,960	3,770 E	3,840	4,260	4,040	3,320
Selenium	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Sodium	20,000	352,000 *	184,000 *	435,000 *	236,000 J+ *	320,000 *	128,000 *	131,000 *	94,300 *	76,600 J+ *	85,000 *	116,000 *	126,000 *	117,000 *	113,000 J+ *	146,000 *	125,000 *	125,000 *	132,000 *	130,000 J+ *	125,000 *
Thallium	0.5	7.6 J	U	U	12.20 J	U	U	U	U	U	U	U	U	2.80 J	3.50 J	U	7.1 J	U	U	3.40 J	U
Vanadium	NA	1.6 J	U	U	0.38 J+	U	U	2.0 J	U	U	U	U	U	U	U	U	U	U	U	0.39 J+	U
Zinc	2,000	6.3 J	U	36.6 J	U	U	6.2 J	10.9 J	11.5 J	U	U	U	U	11.6 J	U	U	U	U	9.8 J	8.7 J	U

Contaminant	Groundwater Standard or Guidance Value	MW-F					MW-G					MW-H					MW-I				
		7/9/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/7/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/8/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016	7/8/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016
Aluminum	NA	U	347	U	U	U	U	1550.0	U	U	U	U	U	U	U	34.0 J	U	U	U	U	U
Antimony	3	U	U	U	21.4 J+ *	U	U	U	U	16.0 J+ *	U	U	U	U	15.3 J+ *	U	U	U	U	16.4 J+ *	U
Arsenic	25	U	U	U	7.3 J	U	U	U	5.5 J	8.2 J	U	U	U	U	8.0 J	U	U	U	4.6 J	10.5 J	5.8 J
Barium	1,000	29.4 J	132 J	17.6 J	40.0 J+	36.4 J+	427	901	659	793 J+	766 J+	444.0	791.0	97 J	413 J+	241 J+	609	1910 *	86 J	1350 J+ *	1,330 J+ *
Calcium	NA	463,000	401,000	450,000	344,000 J+	417,000 J+	341,000	312,000	249,000	267,000 J+	252,000 J+	411,000	306,000	698,000	302,000 J+	311,000 J+	215,000	170,000	265,000	196,000 J+	241,000 J+
Chromium	50	U	0.72 J	1.40 J	3.90 J+	U	0.77 J	3 J	1.10 J	4.20 J+	1.8 J	2.0 J	1.1 J	2.60 J	4.70 J+	8.2 J	U	5.2 J	0.38 J	3.40 J+	U
Cobalt	NA	U	U	U	3.1 J+	U	U	1.0 J	U	U	U	U	U	U	U	U	U	U	U	U	U
Copper	200	U	U	3.80 J	3.50 J+	U	U	8.6 J	U	1.40 J+	U	U	U	10.30 J	1.60 J+	U	U	U	U	1.9 J+	U
Iron	300	582 *	2650 *	120.0 J	153.0 J	3,690 *	1790 *	3620 *	283.0	51.7 J	42.9	924 *	513 *	18,000 *	166 J	3,780 *	2600 *	4350 *	691 *	1970 *	4,200 *
Lead	25	4.3 J	U	U	7.2 J	U	U	U	U	5.3 J	U	U	U	6.3 J	7.8 J	U	U	U	U	5.2 J	U
Magnesium	35,000	20,800	22,500	19,700	15,000 J+	17,100 J+	32,200	31,300	25,700	29,200 J+	28,000 J+	39,700 *	36,200 *	63,400 *	37,600 J+ *	41,600 J+ *	20,800	16,900	27,600	19,600 J+	23,000 J+
Manganese	300	770 *	1,480 *	12.6 J	2,410 J+ *	586 *	1,060 *	914 *	692 *	627 J+ *	542 *	443 *	426 *	5,810 *	574 J+ *	823 *	1,720 *	1,480 *	1,080 *	908 J+ *	2,060 *
Mercury	0.7	U	U	U	U	U	U	U	0.040 J	U	U	U	U	U	U	U	U	U	U	U	U
Nickel	100	1.5 J	1.1 J	3.2 J	5.1 J	U	U	4.0 J	3.0 J	3.8 J	U	0.9 J	U	5.9 J	4.1 J	5.7 J	U	7.2 J	3.3 J	3.4 J	U
Potassium	NA	3,780	5,430	3,840	3,440	3,640	9,260 E	8,990	7,910	7,680	6,980	13,100 E	12,000	17,200	12,000	11,400	5,060 J	4,670	6,010	4,380	5,650
Selenium	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Sodium	20,000	123,000 *	186,000 *	95,400 *	118,000 J+ *	72,600 *	152,000 *	196,000 *	160,000 *	180,000 J+ *	168,000 *	409,000 *	291,000 *	493,000 *	321,000 J+ *	226,000 *	205,000 *	174,000 *	20,400 *	178,000 J+ *	175,000 *
Thallium	0.5	15.50 J	U	7.30 J	11.60 J	U	13.4 J	U	3.90 J	6.00 J	U	9.3 J	U	7.60 J	9.4 J	U	U	U	4.90 J	7.1 J	U
Vanadium	NA	U	U	U	U	U	1.2 J	3.4 J	U	U	U	1.3 J	1.3 J	U	U	U	U	U	U	U	U
Zinc	2,000	818	91.2	892.0	306	95.7 J+	5.7 J	34.6 J	6.2 J	U	U	5.4 J	U	9.9 J	U	12.9 J+	6.5 J	U	14.3 J	U	U

Contaminant	Groundwater Standard or Guidance Value	MW-J					MW-K					MW-L					MW-M				
		7/10/2014	9/29/2014	3/22/2016	6/29/2016	9/27/2016	7/10/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016	7/7/2014	9/30/2014	3/23/2016	6/29/2016	9/27/2016	7/9/2014	9/30/2014	3/22/2016	6/29/2016	9/27/2016
Aluminum	NA	977	U	U	34.6 J	U	93.6 J	U	18.3 J	U	35.3 J	196 J	U	U	173.0 J	201	115 J	1310	U	U	U
Antimony	3	U	U	U	12.5 J+ *	U	U	U	U	12.4 J+ *	U	U	U	U	15.8 J+ *	U	U	U	8.5 J	18.1 J+ *	U
Arsenic	25	U	U	U	8.9 J	U	U	U	8.1 J	12.6 J	5.7 J	U	U	U	11.6 J	U	U	7.0 J	U	8.7 J	U
Barium	1,000	183 J	219	208	224 J+	233 J+	616	928	520	792 J+	1,230 J+ *	168 J	202	197 J	213 J+	256 J+	1010 *	812	242	156 J+	55.5 J+
Calcium	NA	127,000	143,000	13,900	146,000 J+	145,000 J+	146,000	136,000	134,000	152,000 J+	150,000 J+	122,000	144,000	149,000	148,000	159,000 J+	272,000	325,000	251,000	368,000	538,000 J+
Chromium	50	2.1 J	U	0.58 J	3.5 J+	U	0.70 J	1.1 J	U	3.2 J+	1.5 J	0.85 J	0.71 J	0.93 J	3.7 J+	U	0.77 J	1.9 J	0.95 J	3.80 J+	117 *
Cobalt	NA	U	U	U	U	U	U	1.2 J	U	0.84 J+	1.6 J	2.2 J	U	U	0.96 J+	U	U	U	U	U	0.9 J
Copper	200	6.0 J	U	1.20 J	2.8 J+	U	U	U	2.00 J	2.80 J+	U	U	U	U	3.8 J+	U	U	5.2 J	U	1.9 J+	17.8
Iron	300	1870 *	33.9 J	U	71 J	19.4 J	290	621 *	157 J	179 J	694 *	434 *	351 *	U	383 *	446 *	5520 *	5150 *	1250 *	443 *	2,980 *
Lead	25	4.3 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	7.8 J	U
Magnesium	35,000	20,800	23,100	22,800	24,300 J+	24,300 J+	21,100	20,100	19,000	23,700 J+	23,400 J+	21,300	23,400	23,200	25,600 J+	28,700 J+	22,600	26,300	22,200	27,600 J+	39,000 J+ *
Manganese	300	131	U	U	30.0 J+	U	1,900 *	1,910 *	1,210 *	3,070 J+ *	3,140 *	1,050 *	101	5.9 J	311 *	60.2	1,370 *	1,210 *	1,700 *	1,650 *	4,010 *
Mercury	0.7	U	U	U	U	U	U	U	U	U	0.11 J	U	U	U	U	U	U	U	U	U	U
Nickel	100	2.6 J	U	1.5 J	2.8 J	U	2.4 J	3.7 J	2.5 J	5.8 J	U	2.7 J	U	1.4 J	4.0 J	U	U	1.9 J	2.8 J	3.9 J	59.7
Potassium	NA	4,190	3,950	4,100	3,850	3,700	3,600	3,650	3,540	3,330	3,420	5,920 E	4,150	4,170	3,840	4,090	12,800 E	15,700	12,700	19,700	17,400
Selenium	10	15.10 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Sodium	20,000	137,000 *	137,000 *	131,000 *	132,000 J+ *	145,000 J+ *	109,000 *	92,600 *	112,000 *	85,700 J+ *	99,500 *	108,000 *	138,000 *	122,000 *	136,000 J+ *	178,000 *	439,000 *	694,000 *	349,000 *	972,000 J+ *	622,000 J+ *
Thallium	0.5	U	U	U	4.10 J	U	U	U	U	8.20 J	U	U	U	U	3.8 J	U	U	U	3.40 J	12.70 J	U
Vanadium	NA	1.3 J	U	U	U	U	U	1.3 J	U	U	U	1.3 J	U	U	U	U	U	2.0 J	U	U	1.9 J
Zinc	2,000	20.1 J	6.2 J	9.1 J	U	U	7.3 J	6.2 J	10.6 J	U	U	8.4 J	U	8.7 J	4.4 J	U	5.1 J	10.9 J	26.7 J	U	U

Contaminant	Groundwater Standard or Guidance Value	MW-N					Production Well
		7/7/2014	9/29/2014	3/23/2016	6/29/2016	9/27/2016	9/30/2014
Aluminum	NA	434	326	U	U	U	U
Antimony	3	U	U	U	13.5 J+ *	U	U
Arsenic	25	U	U	U	8.7 J	U	4.8 J
Barium	1,000	241	179 J	190 J	200 J+	258 J+	289
Calcium	NA	161,000	128,000	138,000	136,000	165,000 J+	129,000
Chromium	50	309.00 *	148.00 *	73.0 *	10.7 J+	10.2	0.84 J
Cobalt	NA	U	U	U	U	U	U
Copper	200	4.3 J	U	U	1.4 J+	U	U
Iron	300	2100 *	843 *	87.5 J	U	40.4	1030 *
Lead	25	U	U	U	U	U	U
Magnesium	35,000	25,700	19,900	20,700	21,400 J+	25,600 J+	22,500
Manganese	300	453 *	382 *	205	190	181	91
Mercury	0.7	U	U	U	U	U	U
Nickel	100	2.2 J	1.6 J	2.0 J	2.3 J	U	1.3 J
Potassium	NA	5,520 E	6,120	5,180	4,310	4,444	3,900
Selenium	10	U	U	U	U	U	U
Sodium	20,000	162,000 *	126,000 *	149,000 *	131,000 J+ *	156,000 *	129,000 *
Thallium	0.5	U	U	3.60 J	2.90 J *	U	U
Vanadium	NA	1.7 J	1.4 J	U	U	U	U
Zinc	2,000	14.2 J	7.3 J	8.9 J	U	U	369

Notes

Test results and groundwater standards or guidance values reported in µg/L = micrograms per Liter or parts per billion (ppb).

Groundwater Standards or Guidance Values as referenced in New York State Department of Environmental Conservation (NYSDEC) Technical and Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NA = Not Available

U = The analyte was analyzed for, but was not detected above the associated reported quantitation limit. Refer to the analytical laboratory report for the associated reported quantitation limit

E = an estimated concentration due to the presence of interferences

J = indicates a concentration below the reporting limit and equal to or above the detection limit, and is considered an estimated concentation

J+ = Data Validation indicated the concentration estimated by the analytical laboratory is biased high

* = Exceeds Groundwater Standard or Guidance Value

TABLE 4
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE No. C905038

GROUNDWATER ELEVATION MEASUREMENTS

Monitoring Well ID	Top of Inner Casing (ft.)	7/10/2014		9/30/2014		3/22/2016- 3/23/2016		6/29/2016		9/27/2016	
		Static Water Level (ft)	Groundwater Elevation (ft)	Static Water Level (ft)	Groundwater Elevation (ft)	Static Water Level (ft)	Groundwater Elevation (ft)	Static Water Level (ft)	Groundwater Elevation (ft)	Static Water Level (ft)	Groundwater Elevation (ft)
MW-B	1429.82	17.35	1412.47	19.5	1410.32	17.22	1412.60	19.30	1410.52	20.87	1408.95
MW-C	1430.10	19.26	1410.84	21.37	1408.73	19.20	1410.90	21.46	1408.64	22.64	1407.46
MW-D	1431.53	20.87	1410.66	22.85	1408.68	22.00	1409.53	24.29	1407.24	23.80	1407.73
MW-E	1434.03	23.22	1410.81	25.32	1408.71	22.21	1411.82	25.35	1408.68	26.60	1407.43
MW-F	1429.48	18.89	1410.59	21.04	1408.44	18.80	1410.68	21.12	1408.36	23.30	1406.18
MW-G	1433.65	23.01	1410.64	25.21	1408.44	23.02	1410.63	25.24	1408.41	26.44	1407.21
MW-H	1433.61	22.82	1410.79	24.89	1408.72	22.77	1410.84	24.95	1408.66	26.34	1407.27
MW-I	1433.51	22.68	1410.83	24.87	1408.64	22.60	1410.91	24.90	1408.61	26.08	1407.43
MW-J	1433.93	23.10	1410.83	25.23	1408.70	23.08	1410.85	25.32	1408.61	26.51	1407.42
MW-K	1429.64	18.45	1411.19	20.6	1409.04	17.28	1412.36	20.64	1409.00	21.97	1407.67
MW-L	1433.81	22.82	1410.99	24.76	1409.05	22.83	1410.98	24.99	1408.82	26.17	1407.64
MW-M	1432.57	20.45	1412.12	22.66	1409.91	20.31	1412.26	22.53	1410.04	23.42	1409.15
MW-N	1433.92	23.10	1410.82	25.26	1408.66	23.07	1410.85	25.34	1408.58	26.55	1407.37

TABLE 5
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905038

SUMMARY OF TEST RESULTS for VOLATILE ORGANIC COMPOUNDs (VOCs) and SEMI-VOLATILE ORGANIC COMPOUNDs (SVOCs)
in GROUNDWATER SAMPLES COLLECTED JULY 2014 THROUGH SEPTEMBER 2016

Well ID	Monitoring Location	Volatile Organic Compound Sample Results							Semi-Volatile Organic Compound Sample Results						
		Lowest Total TCL VOC Concentration	Highest Total TCL VOC Concentration	Trendline - Total TCL VOCs 7/14 to 9/16	One or more TCL VOCs exceed GW standard or Guidance Value	Lowest Total VOC TIC Concentration	Highest Total VOC TIC Concentration	Trendline - Total VOC TICs 7/14 to9/16	Lowest Total TCL SVOC Concentration	Highest Total TCL SVOC Concentration	Trendline - Total TCL SVOCs 7/14 to 9//16	One or more TCL SVOCs exceed GW standard or Guidance Value	Lowest Total SVOC TIC Concentration	Highest Total SVOC TIC Concentration	Trendline - Total SVOC TICs 7/14 to 9/16
MW-B	upgradient perimeter well	ND	8.29		No	9.1	175		ND	1.3		No	40.1	945	
MW-K	upgradient perimeter well	ND	ND		No	ND	ND		ND	5.2*		Yes*	ND	145.3	
MW-M	upgradient perimeter well	ND	8.1		No	ND	130		ND	6.9		No	26.6	302.9	
MW-E	site area well	ND	3.9Ŧ		No	ND	23		ND	4.9		No	ND	192.3	
MW-G	site area well	ND	3.9		No	31.4	212.1		ND	ND		No	35.1	1089	
MW-H	site area well	ND	3.9		No	ND	91		ND	1.1		No	111.8	758	
MW-I	site area well	ND	28.6Ŧ		No	ND	11.6		ND	6.3*		Yes*	9.7	531	
MW-N	site area well	ND	6.8Ŧ		No	ND	87		ND	5.3		No	ND	113.5	
MW-C	downgradient perimeter well	ND	17.6Ŧ		No	ND	ND		ND	23*		Yes*	ND	39.8	
MW-D	downgradient perimeter well	ND	6Ŧ		No	ND	26		ND	5.1*		Yes*	ND	89.3	
MW-F	downgradient perimeter well	ND	10.6Ŧ		No	ND	23		ND	11*		Yes*	ND	346	
MW-J	downgradient perimeter well	ND	8.3Ŧ		No	ND	ND		ND	100*		Yes*	ND	99.7	
MW-L	downgradient perimeter well	ND	5.2Ŧ		No	ND	27.7		ND	4.3*		No	ND	74.6	

Notes

Concentrations reported in µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound

ND = Not detected above the associated reported quantitation limits. Refer to the analytical laboratory report for the associated reported quantitation limits.

* - indicates toTCL concentration of SVOCs or exceedance to groundwater standard or guidance value is solely from reported concentration of Bis (2-ethylhexyl) phthalate.

Ŧ - indicates toTCL concentration of VOCs was measured during the 9/27/16 sampling event, and is comprised entirely, or mostly, from the reported (unvalidated) concentration of acetone, which has not previously been detected in groundwater samples collected from the Site to date.

TABLE 6
211 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905038

SUMMARY OF TEST RESULTS for SELECTED METALS
in GROUNDWATER SAMPLES COLLECTED JULY 2014 THROUGH SEPTEMBER 2016

Well ID	Monitoring Location	Antimony			Arsenic			Barium			Chromium			Magnesium			Thallium			Vanadium		
		Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16	Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16	Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16	Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16	Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16	Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16	Lowest Concentration	Highest Concentration	Trendline 7/14 to 9/16
MW-B	upgradient perimeter well	ND	15.5		ND	9.7		143	684		ND	56.2		15,700	25,900		ND	12.2		ND	1.6	
MW-K	upgradient perimeter well	ND	12.4		ND	12.6		520	1,230		ND	3.2		19,000	23,700		ND	8.2		ND	1.3	
MW-M	upgradient perimeter well	ND	18.1		ND	8.7		55.5	1,010		0.77	117		22,200	39,000		ND	12.7		ND	2.0	
MW-E	site area well	ND	11.3		ND	9.7		207	253		ND	4.7		21,000	25,500		ND	7.1		ND	0.39	
MW-G	site area well	ND	16.0		ND	8.2		427	901		0.77	4.2		25,700	32,200		ND	13.4		ND	3.4	
MW-H	site area well	ND	15.3		ND	8.0		97.0	791		1.1	8.2		36,200	63,400		ND	9.4		ND	1.3	
MW-I	site area well	ND	16.4		ND	10.5		86.0	1,910		ND	5.2		16,900	27,600		ND	7.1		ND	ND	
MW-N	site area well	ND	13.5		ND	8.7		179	289		10.2	309		19,900	25,700		ND	3.6		ND	1.7	
MW-C	downgradient perimeter well	ND	8.4		ND	9.1		146	221		ND	2.8		13,300	18,900		ND	ND		ND	2.0	
MW-D	downgradient perimeter well	ND	13.3		ND	12		200	345		ND	3.2		20,400	37,600		ND	3.5		ND	ND	
MW-F	downgradient perimeter well	ND	21.4		ND	7.3		17.6	132		ND	3.9		15,000	22,500		ND	15.5		ND	ND	
MW-J	downgradient perimeter well	ND	12.5		ND	8.9		183	233		ND	3.5		20,800	24,300		ND	4.1		ND	1.3	
MW-L	downgradient perimeter well	ND	15.8		ND	11.6		168	256		ND	3.7		21,300	28,700		ND	3.8		ND	1.3	

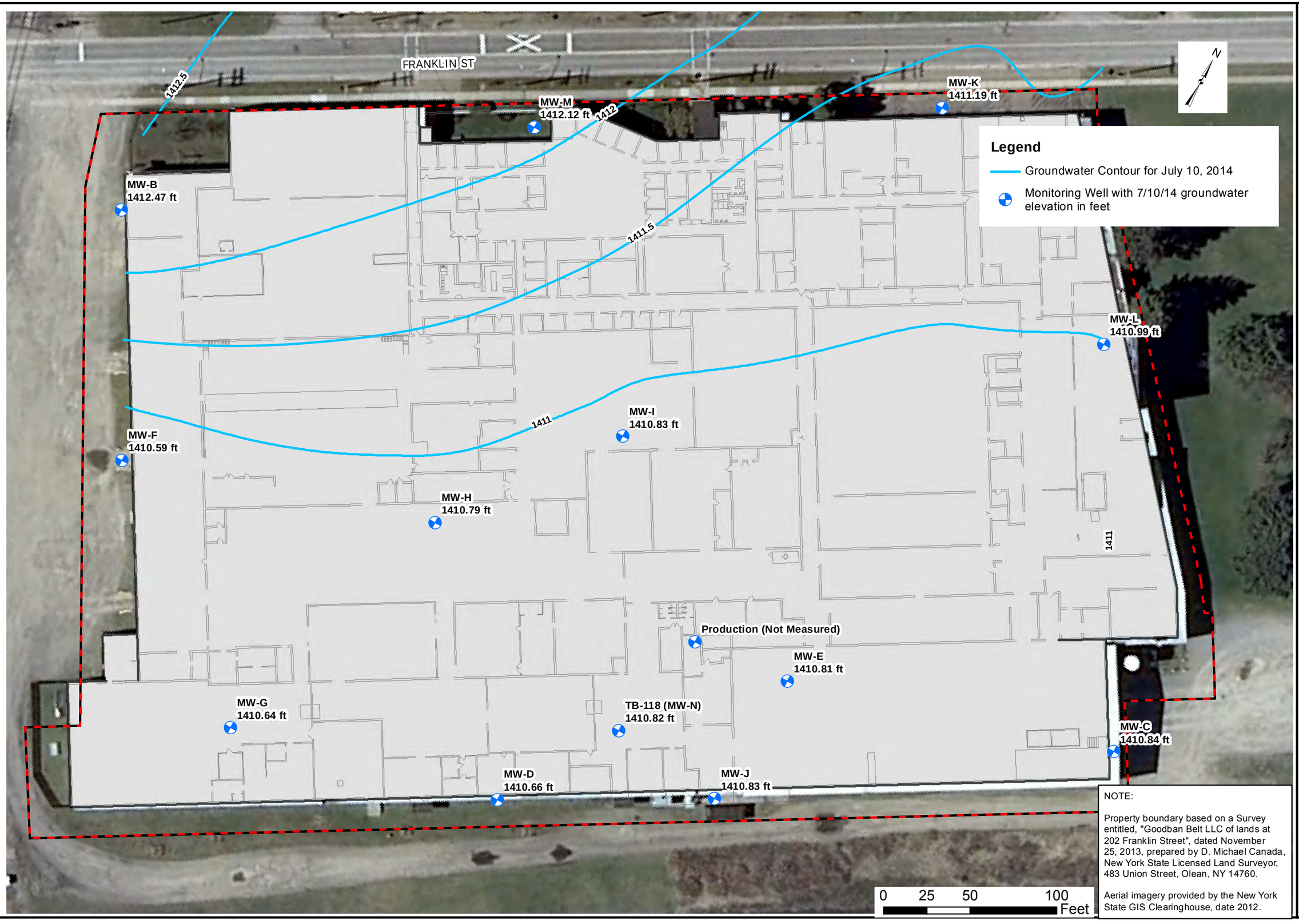
Notes

Concentrations reported in µg/L = micrograms per Liter or parts per billion (ppb).

ND = Not detected above the associated reported quantitation limits. Refer to the analytical laboratory report for the associated reported quantitation limits.

ATTACHMENT A

GROUNDWATER CONTOUR MAPS: JULY 10, 2014 AND SEPTEMBER 30, 2014



NOTE:

Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at 202 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada, New York State Licensed Land Surveyor, 483 Union Street, Olean, NY 14760.

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

DESIGNED BY	DATE
RLK	11-2014
DRAWN BY	DATE DRAWN
CAH	11-2014
SCALE	DATE ISSUED
AS NOTED	11-4-2014

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

Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

BCP SITE NO. C905038 REMEDIAL INVESTIGATION

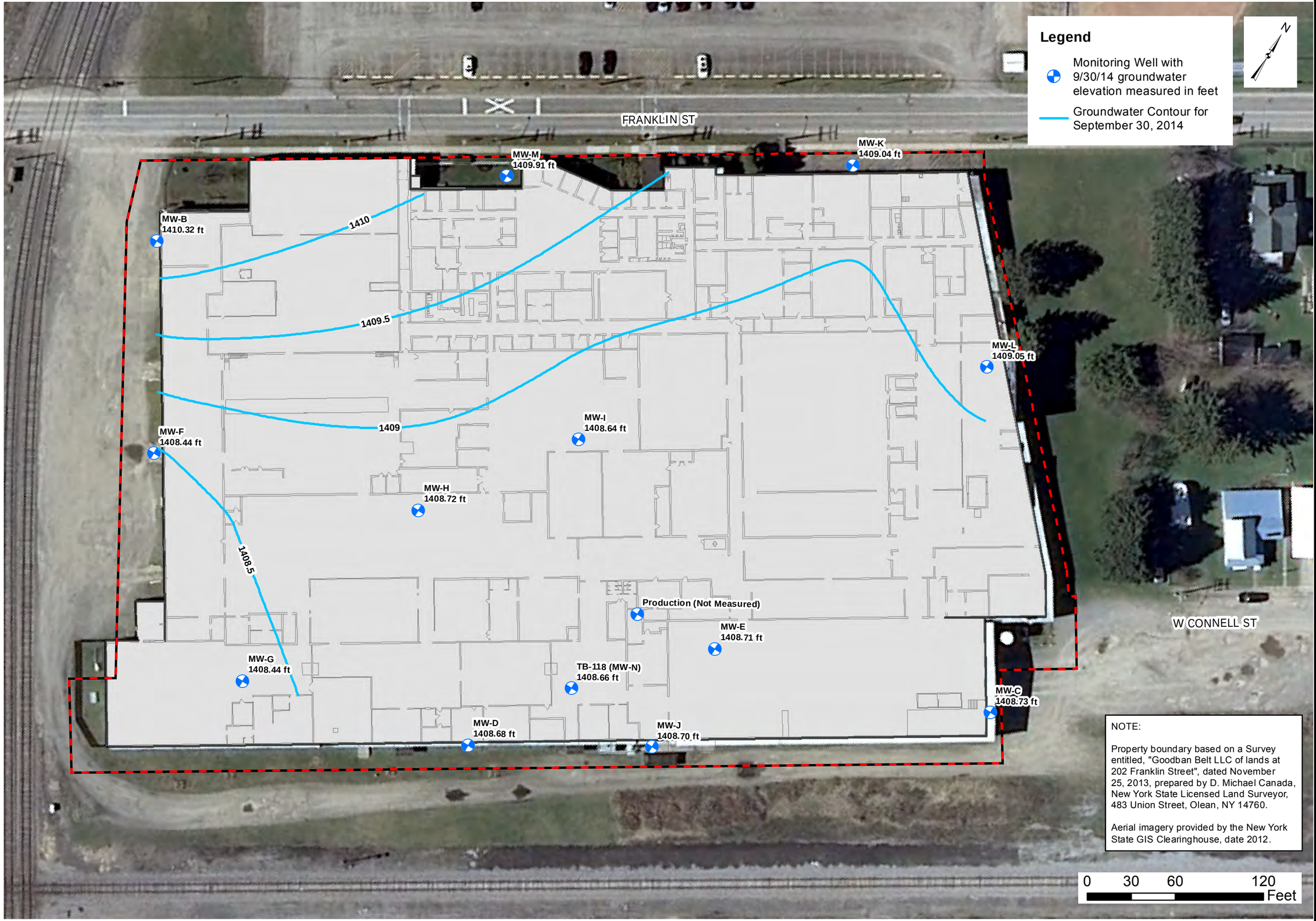
Drawing Title
Groundwater Contour Map: July 10, 2014

Project No.
4884S-13

FIGURE 1

Document Path: \\Smelt_opt\pexgis\GIS Mapping\4884S-13Solep\211Franklin\4884S - 32 - 07-10-2014 GW Contour.mxd

Last Date Saved: 13 Dec 2014



Last Date Saved: 13 Dec 2014 Document Path: \\Smell_op1\dex\gis\GIS Mapping\4884S-13\Sol\epo\211Franklin\4884S - 36 - 09-30-2014 GW Contour.mxd

DESIGNED BY	DATE	DRAWN BY	DATE DRAWN	SCALE	DATE ISSUED
RLK	11-2014	CAH/CPS	11-2014	AS NOTED	11-24-2014

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

Project Title
211 FRANKLIN STREET
OLEAN, NEW YORK

BCP SITE NO. C905038 REMEDIAL INVESTIGATION

Drawing Title
Groundwater Contour Map: September 30, 2014

Project No.
4884S-13

FIGURE 2

ATTACHMENT B

EURFINS LABORATORY REPORTS (SUMMARY PACKAGES)

AND

EXECUTED CHAIN-OF-CUSTODY DOCUMENTATION

FOR

SAMPLE EVENTS: MARCH 22 AND 23, 2016, JUNE 29, 2016 AND SEPTEMBER 27, 2016

eurofins | Spectrum Analytical

☑ Final Report
☐ Re-Issued Report
☐ Revised Report
Report Date:
08-Apr-16 13:17

Laboratory Report

Day Environmental, Inc
1563 Lyell Avenue
Rochester, NY 14606

Work Order: R0225
Project : 211 Franklin Street
Project #: 4884S-13

Attn: Ray Kampff

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
R0225-01	MW M	Aqueous	22-Mar-16 12:36	28-Mar-16 11:40
R0225-02	MW J	Aqueous	22-Mar-16 14:45	28-Mar-16 11:40
R0225-03	MW B	Aqueous	22-Mar-16 15:35	28-Mar-16 11:40
R0225-04	MW C	Aqueous	22-Mar-16 16:13	28-Mar-16 11:40
R0225-05	MW D	Aqueous	22-Mar-16 17:47	28-Mar-16 11:40
R0225-06	MW K	Aqueous	22-Mar-16 19:20	28-Mar-16 11:40
R0225-07	MW N	Aqueous	23-Mar-16 10:48	28-Mar-16 11:40
R0225-08	MW F	Aqueous	23-Mar-16 10:23	28-Mar-16 11:40
R0225-09	MW H	Aqueous	23-Mar-16 12:50	28-Mar-16 11:40
R0225-10	MW E	Aqueous	23-Mar-16 12:13	28-Mar-16 11:40
R0225-11	MW G	Aqueous	23-Mar-16 14:27	28-Mar-16 11:40
R0225-12	MW I	Aqueous	23-Mar-16 14:30	28-Mar-16 11:40
R0225-13	MW L	Aqueous	23-Mar-16 16:17	28-Mar-16 11:40
R0225-14	TB	Aqueous	23-Mar-16 00:00	28-Mar-16 11:40
R0225-15	FB	Aqueous	23-Mar-16 16:30	28-Mar-16 11:40

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 Eurofins Spectrum Analytical, Inc.

All applicable NELAC or USEPA CLP requirements have been met.

Use of the NELAP logo does not insure that Eurofins Spectrum Analytical is currently accredited for the specific test method or analyte. Please refer to our Quality page of our web site at www.spectrum-analytical.com for the current list of certifications and fields of accreditation.

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

Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Massachusetts	M-RI907
New Hampshire	2060
New Jersey	RI001
New York	11522
Rhode Island	LAI00349
USDA	P330-16-00031
USEPA - ISM	EP-W-14-032
USEPA - SOM	EP-W-14-032
Dod ELAP	L2247

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0225

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW M	R0225-01	SW8260_W	SW8270_W		SW6010_W	
MW M	R0225-01				SW7470	
MW J	R0225-02	SW8260_W	SW8270_W		SW6010_W	
MW J	R0225-02				SW7470	
MW B	R0225-03	SW8260_W	SW8270_W		SW6010_W	
MW B	R0225-03				SW7470	
MW C	R0225-04	SW8260_W	SW8270_W		SW6010_W	
MW C	R0225-04				SW7470	
MW D	R0225-05	SW8260_W	SW8270_W		SW6010_W	
MW D	R0225-05				SW7470	
MW K	R0225-06	SW8260_W	SW8270_W		SW6010_W	
MW K	R0225-06				SW7470	
MW N	R0225-07	SW8260_W	SW8270_W		SW6010_W	
MW N	R0225-07				SW7470	
MW F	R0225-08	SW8260_W	SW8270_W		SW6010_W	
MW F	R0225-08				SW7470	
MW H	R0225-09	SW8260_W	SW8270_W		SW6010_W	
MW H	R0225-09				SW7470	
MW E	R0225-10	SW8260_W	SW8270_W		SW6010_W	
MW E	R0225-10				SW7470	
MW G	R0225-11	SW8260_W	SW8270_W		SW6010_W	
MW G	R0225-11				SW7470	
MW I	R0225-12	SW8260_W	SW8270_W		SW6010_W	
MW I	R0225-12				SW7470	
MW L	R0225-13	SW8260_W	SW8270_W		SW6010_W	
MW L	R0225-13				SW7470	
TB	R0225-14	SW8260_W				
FB	R0225-15	SW8260_W	SW8270_W		SW6010_W	
FB	R0225-15				SW7470	

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0225

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
R0225-01A	AQ	3/22/2016	3/28/2016	NA	3/29/2016
R0225-02A	AQ	3/22/2016	3/28/2016	NA	3/29/2016
R0225-02AMS	AQ	3/22/2016	3/28/2016	NA	3/30/2016
R0225-02AMSD	AQ	3/22/2016	3/28/2016	NA	3/30/2016
R0225-03A	AQ	3/22/2016	3/28/2016	NA	3/29/2016
R0225-04A	AQ	3/22/2016	3/28/2016	NA	3/29/2016
R0225-05A	AQ	3/22/2016	3/28/2016	NA	3/29/2016
R0225-06A	AQ	3/22/2016	3/28/2016	NA	3/29/2016
R0225-07A	AQ	3/23/2016	3/28/2016	NA	3/29/2016
R0225-08A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-09A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-10A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-11A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-12A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-13A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-14A	AQ	3/23/2016	3/28/2016	NA	3/30/2016
R0225-15A	AQ	3/23/2016	3/28/2016	NA	3/30/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0225

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
R0225-01B	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-02B	AQ	3/22/2016	3/28/2016	3/28/2016	4/1/2016
R0225-02BMS	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-02BMSD	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-03B	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-04B	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-05B	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-06B	AQ	3/22/2016	3/28/2016	3/28/2016	3/31/2016
R0225-07B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-08B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-09B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-10B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-11B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-12B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-13B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016
R0225-15B	AQ	3/23/2016	3/28/2016	3/28/2016	3/31/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0225

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
R0225-01A	AQ	SW8260_W	NA	LOW	1
R0225-02A	AQ	SW8260_W	NA	LOW	1
R0225-02AMS	AQ	SW8260_W	NA	LOW	1
R0225-02AMSD	AQ	SW8260_W	NA	LOW	1
R0225-03A	AQ	SW8260_W	NA	LOW	1
R0225-04A	AQ	SW8260_W	NA	LOW	1
R0225-05A	AQ	SW8260_W	NA	LOW	1
R0225-06A	AQ	SW8260_W	NA	LOW	1
R0225-07A	AQ	SW8260_W	NA	LOW	1
R0225-08A	AQ	SW8260_W	NA	LOW	1
R0225-09A	AQ	SW8260_W	NA	LOW	1
R0225-10A	AQ	SW8260_W	NA	LOW	1
R0225-11A	AQ	SW8260_W	NA	LOW	1
R0225-12A	AQ	SW8260_W	NA	LOW	1
R0225-13A	AQ	SW8260_W	NA	LOW	1
R0225-14A	AQ	SW8260_W	NA	LOW	1
R0225-15A	AQ	SW8260_W	NA	LOW	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0225

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
R0225-01B	AQ	SW8270_W	3510C	NA	1
R0225-02B	AQ	SW8270_W	3510C	NA	5
R0225-02BMS	AQ	SW8270_W	3510C	NA	1
R0225-02BMSD	AQ	SW8270_W	3510C	NA	1
R0225-03B	AQ	SW8270_W	3510C	NA	1
R0225-04B	AQ	SW8270_W	3510C	NA	1
R0225-05B	AQ	SW8270_W	3510C	NA	1
R0225-06B	AQ	SW8270_W	3510C	NA	1
R0225-07B	AQ	SW8270_W	3510C	NA	1
R0225-08B	AQ	SW8270_W	3510C	NA	1
R0225-09B	AQ	SW8270_W	3510C	NA	1
R0225-10B	AQ	SW8270_W	3510C	NA	1
R0225-11B	AQ	SW8270_W	3510C	NA	1
R0225-12B	AQ	SW8270_W	3510C	NA	1
R0225-13B	AQ	SW8270_W	3510C	NA	1
R0225-15B	AQ	SW8270_W	3510C	NA	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0225

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
R0225-01C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-02C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-02CDUP	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-02CMS	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-03C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-04C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-05C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-06C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-07C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-08C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-09C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-10C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-11C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-12C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-13C	AQ	SW6010_W	3/28/2016	3/30/2016
R0225-15C	AQ	SW6010_W	3/28/2016	3/30/2016
SW7470				
R0225-01C	AQ	SW7470	3/28/2016	3/29/2016
R0225-02C	AQ	SW7470	3/28/2016	3/29/2016
R0225-02CDUP	AQ	SW7470	3/28/2016	3/29/2016
R0225-02CMS	AQ	SW7470	3/28/2016	3/29/2016
R0225-03C	AQ	SW7470	3/28/2016	3/29/2016
R0225-04C	AQ	SW7470	3/28/2016	3/29/2016
R0225-05C	AQ	SW7470	3/28/2016	3/29/2016
R0225-06C	AQ	SW7470	3/28/2016	3/29/2016
R0225-07C	AQ	SW7470	3/28/2016	3/29/2016
R0225-08C	AQ	SW7470	3/28/2016	3/29/2016
R0225-09C	AQ	SW7470	3/28/2016	3/29/2016
R0225-10C	AQ	SW7470	3/28/2016	3/29/2016
R0225-11C	AQ	SW7470	3/28/2016	3/29/2016
R0225-12C	AQ	SW7470	3/28/2016	3/29/2016
R0225-13C	AQ	SW7470	3/28/2016	3/29/2016
R0225-15C	AQ	SW7470	3/28/2016	3/29/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0225

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 4884S-13
Comments: N/A

Case:
SDG:
PO:

HC Due: 04/05/16
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0225-01A	MW M	03/22/2016 12:36	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-01B	MW M	03/22/2016 12:36	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-01C	MW M	03/22/2016 12:36	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-01C	MW M	03/22/2016 12:36	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-02A	MW J	03/22/2016 14:45	03/28/2016	Aqueous	SW8260_W	/ +TICs			Y	Y	VOA
R0225-02B	MW J	03/22/2016 14:45	03/28/2016	Aqueous	SW8270_W	/ +TICs			Y	Y	J1
R0225-02C	MW J	03/22/2016 14:45	03/28/2016	Aqueous	SW6010_W	/ TAL			Y	Y	M2
R0225-02C	MW J	03/22/2016 14:45	03/28/2016	Aqueous	SW7470	/ TAL			Y		M2
R0225-03A	MW B	03/22/2016 15:35	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-03B	MW B	03/22/2016 15:35	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-03C	MW B	03/22/2016 15:35	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-03C	MW B	03/22/2016 15:35	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-04A	MW C	03/22/2016 16:13	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-04B	MW C	03/22/2016 16:13	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-04C	MW C	03/22/2016 16:13	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-04C	MW C	03/22/2016 16:13	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-05A	MW D	03/22/2016 17:47	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-05B	MW D	03/22/2016 17:47	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-05C	MW D	03/22/2016 17:47	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2

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

HT = Test logged in but has been placed on hold

03/28/2016 17:00 Lab Client Rep: Agnes R Huntley

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0225

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 4884S-13
Comments: N/A

Case:
SDG:
PO:

HC Due: 04/05/16
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0225-05C	MW D	03/22/2016 17:47	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-06A	MW K	03/22/2016 19:20	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-06B	MW K	03/22/2016 19:20	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-06C	MW K	03/22/2016 19:20	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-06C	MW K	03/22/2016 19:20	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-07A	MW N	03/23/2016 10:48	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-07B	MW N	03/23/2016 10:48	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-07C	MW N	03/23/2016 10:48	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-07C	MW N	03/23/2016 10:48	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-08A	MW F	03/23/2016 10:23	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-08B	MW F	03/23/2016 10:23	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-08C	MW F	03/23/2016 10:23	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-08C	MW F	03/23/2016 10:23	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-09A	MW H	03/23/2016 12:50	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-09B	MW H	03/23/2016 12:50	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-09C	MW H	03/23/2016 12:50	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-09C	MW H	03/23/2016 12:50	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-10A	MW E	03/23/2016 12:13	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-10B	MW E	03/23/2016 12:13	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1

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

HT = Test logged in but has been placed on hold

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0225

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 4884S-13
Comments: N/A

Case:
SDG:
PO:

HC Due: 04/05/16
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0225-10C	MW E	03/23/2016 12:13	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-10C	MW E	03/23/2016 12:13	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-11A	MW G	03/23/2016 14:27	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-11B	MW G	03/23/2016 14:27	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-11C	MW G	03/23/2016 14:27	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-11C	MW G	03/23/2016 14:27	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-12A	MW I	03/23/2016 14:30	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-12B	MW I	03/23/2016 14:30	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-12C	MW I	03/23/2016 14:30	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-12C	MW I	03/23/2016 14:30	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-13A	MW L	03/23/2016 16:17	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-13B	MW L	03/23/2016 16:17	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-13C	MW L	03/23/2016 16:17	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-13C	MW L	03/23/2016 16:17	03/28/2016	Aqueous	SW7470	/ TAL					M2
R0225-14A	TB	03/23/2016 00:00	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-15A	FB	03/23/2016 16:30	03/28/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0225-15B	FB	03/23/2016 16:30	03/28/2016	Aqueous	SW8270_W	/ +TICs				Y	J1
R0225-15C	FB	03/23/2016 16:30	03/28/2016	Aqueous	SW6010_W	/ TAL				Y	M2
R0225-15C	FB	03/23/2016 16:30	03/28/2016	Aqueous	SW7470	/ TAL					M2

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

HT = Test logged in but has been placed on hold

03/28/2016 17:00 Lab Client Rep: Agnes R Huntley

Sample Transmittal Documentation

R0225

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☒ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

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

Telephone #: 585/454-0210
Project Mgr: Ray Kampff

Invoice To: Sol Epoxy Inc.
211 Franklin Street
Olean New York 14760
Att. Jeffery Bolt

P.O No.: _____ Quote #: _____

Project No: 4884S-13
Site Name: 211 FRANKLIN ST
Location: OLEAN State: NY
Sampler(s): T ROSICK

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= ICE 12= _____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

R0225 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: FULL LIST 8260 VOCs + TICs	FULL LIST 8270 SVOCs + TICs	TAL METALS	Check if chlorinated
01	MW M	3/22/16	1236	G	GW	2	1		1				☐
02	MW J		1445										☐
02	MW J MS		1445										☐
02	MW J MSD		1445										☐
03	MW B		1535										☐
04	MW C		1613										☐
05	MW D		1747										☐
06	MW K		1920										☐
07	MW N	3/23/16	1048										☐
08	MW F		1023	↓	↓	↓	↓		↓	↓	↓	↓	☐

List Preservative Code below: 2 | 11 | 4

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: NY ASP B
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
T ROSICK		3/24/16	1220
Courier	(SubOut)	3/25/16	12:00
SubOut		3/28/16	11:40 AM

Temp °C: Observed 2.5 | Correction Factor 0 | Corrected 2.5 | IR ID # 02

☒ EDD format: NYSPEC EQUIS
☒ E-mail to: RKAMPFF@DAYMAIL.NET

4.8 - 0.4 = 4.8 IR 3 SP3 3/24/16

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☒ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Froz
OK 3/24/16 5.0 C IR

Page 5 of 702

R0220

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CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Day Environmental, Inc.
1563 Lyell Ave.
Rochester, NY 14606

Telephone #: 585/454-0210
Project Mgr: Ray Kampff

Invoice To: Sol Epoxy, Inc
211 Franklin Street
Olean, NY 14760
Att: Jeffery Belt

P.O No.: _____ Quote #: _____

Project No: 4884 S-13
Site Name: 211 FRANKLIN ST
Location: OLEAN State: NY
Sampler(s): T ROSCAK

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= ICE 12= _____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

R0220 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: List Preservative Code below: 2	11	4						Check if chlorinated
										Full List 8260 VOCs + TICs	Full List SVOCs + TICs 8270	TAL Metals						
09	MW H	3/23/16	1250	G	GW	2	1		1	x	x	x						☐
10	MW E		1213						1									☐
11	MW G		1427															☐
12	MW I		1430															☐
13	MW L		1617						1									☐
14	TB		—	—	—	2	—		—	x								☐
15	FB		1630	G	WW	2			1	x	x	x						☐
																		☐
																		☐
																		☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: NY ASP B
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
T ROSCAK	[signature]	3/24/16	1220
Captive Waters	[signature] (Sub Out)	3/25/16	12:00
Sub Out	[signature]	3/28/16	11:40am

Temp °C: Observed 2.5 | Correction Factor 0 | Corrected 2.5 | IR ID # 02

☒ EDD format: NYSDEC EQUIS
☒ E-mail to: R KAMPFF @ DAYMAIL.NET

4.8 / 4.8 IR CAS 3/24/16

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☒ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Froz

Page 6 of 702

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

Received By: SB	Page 01 of 00
Reviewed By: KP	Log-in Date 03/28/2016
Work Order: R0225	Client Name: Day Environmental, Inc
Project Name/Event: 211 Franklin Street	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. — Courier N/A
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent

9. Cooler Temperature	5.0 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	03/28/2016
12. Time Received	11:40

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
R0225-01	<2		<2			H	
R0225-02	<2		<2			H	
R0225-03	<2		<2			H	
R0225-04	<2		<2			H	
R0225-05	<2		<2			H	
R0225-06	<2		<2			H	
R0225-07	<2		<2			H	
R0225-08	<2		<2			H	
R0225-09	<2		<2			H	
R0225-10	<2		<2			H	
R0225-11	<2		<2			H	
R0225-12	<2		<2			H	
R0225-13	<2		<2			H	
R0225-14			<2			H	
R0225-15	<2		<2			H	

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

* Volatiles *

REPORT NARRATIVE

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0225

SW846 8260C, VOC 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 8260C

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V1
Instrument Type: GCMS-VOA

Description: HP5890 II / HP5972
Manufacturer: Hewlett-Packard
Model: 5890 / 5972

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.

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-84150 in batch 84150, recovery is above criteria for 1,4-Dioxane at 144% with criteria of (70-130).

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

Matrix spikes were performed on samples: MW J (R0225-02AMS) and MW J (R0225-02AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

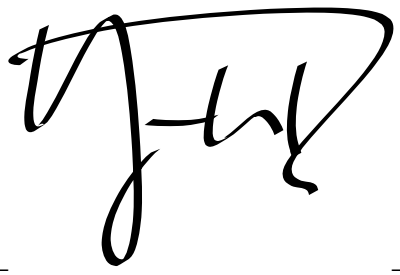
G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, 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:_____4/8/2016_____

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9420.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9420.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9420.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9421.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9421.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9421.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9422.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9422.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9422.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	19780-34-8	Tridecane, 3-methylene-	4.036	6.5	NJ
02	822-50-4	Cyclopentane, 1,2-dimethyl-,	4.134	5.6	NJ
03	4516-69-2	Cyclopentane, 1,1,3-trimethy	4.666	6.0	NJ
04	6876-23-9	Cyclohexane, 1,2-dimethyl-,	5.918	11	NJ
05	2207-04-7	Cyclohexane, 1,4-dimethyl-,	6.026	8.0	NJ
06	6221-55-2	Bicyclo[3.2.1]octane	7.307	8.1	NJ
07	56021-63-7	trans-3,5-Dimethylcyclohexen	7.691	6.6	NJ
08	95-93-2	Benzene, 1,2,4,5-tetramethyl	10.519	6.9	NJ
09	488-23-3	Benzene, 1,2,3,4-tetramethyl	10.785	26	NJ
10	4706-90-5	Benzene, 1,3-dimethyl-5-(1-m	11.573	5.8	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9423.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	3.5	J
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9423.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9423.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9424.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9424.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9424.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9425.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9425.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9425.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9426.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9426.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9426.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9427.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9427.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9427.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9428.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9428.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9428.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	6876-23-9	Cyclohexane, 1,2-dimethyl-,	5.909	5.8	NJ
02	19550-14-2	3-Hexanone, 4,4-dimethyl-	8.007	5.4	NJ
03	2746-14-7	1-Methylcyclopropanemethanol	9.968	14	NJ
04	62338-57-2	1,4-Cyclohexadiene, 3-etheny	10.756	8.0	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9429.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9429.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9429.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9430.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9430.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9430.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	565-59-3	Pentane, 2,3-dimethyl-	3.773	6.5	NJ
02	1638-26-2	Cyclopentane, 1,1-dimethyl-	4.659	5.7	NJ
03	590-66-9	Cyclohexane, 1,1-dimethyl-	5.724	6.6	NJ
04	6876-23-9	Cyclohexane, 1,2-dimethyl-,	5.911	12	NJ
05	589-90-2	Cyclohexane, 1,4-dimethyl-	6.019	8.1	NJ
06	2207-01-4	Cyclohexane, 1,2-dimethyl-,	6.433	5.1	NJ
07	3073-66-3	Cyclohexane, 1,1,3-trimethyl	6.541	5.6	NJ
08	6221-55-2	Bicyclo[3.2.1]octane	7.300	6.3	NJ
09	4926-78-7	Cyclohexane, 1-ethyl-4-methy	7.684	6.4	NJ
10	527-53-7	Benzene, 1,2,3,5-tetramethyl	10.788	21	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9431.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9431.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9431.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9432.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9432.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9432.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9433.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9433.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9433.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9434.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9434.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9434.D

Level: (TRACE or LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84150

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9419.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84150

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9419.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84150

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9419.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84150

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9417.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	36	
74-87-3	Chloromethane	52	
75-01-4	Vinyl chloride	55	
74-83-9	Bromomethane	55	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	53	
75-35-4	1,1-Dichloroethene	58	
67-64-1	Acetone	59	
75-15-0	Carbon disulfide	52	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	56	
1634-04-4	Methyl tert-butyl ether	58	
75-34-3	1,1-Dichloroethane	55	
78-93-3	2-Butanone	63	
156-59-2	cis-1,2-Dichloroethene	56	
74-97-5	Bromochloromethane	56	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	57	
71-43-2	Benzene	55	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	56	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	57	
108-10-1	4-Methyl-2-pentanone	65	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	58	
79-00-5	1,1,2-Trichloroethane	56	
127-18-4	Tetrachloroethene	53	
591-78-6	2-Hexanone	63	
124-48-1	Dibromochloromethane	54	
106-93-4	1,2-Dibromoethane	56	
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	52	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84150

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9417.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/29/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	54	
75-25-2	Bromoform	56	
98-82-8	Isopropylbenzene	51	
79-34-5	1,1,2,2-Tetrachloroethane	55	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	50	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-chloropropane	64	
120-82-1	1,2,4-Trichlorobenzene	56	
87-61-6	1,2,3-Trichlorobenzene	62	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	53	
123-91-1	1,4-Dioxane	1400	
110-82-7	Cyclohexane	58	
79-20-9	Methyl acetate	62	
108-87-2	Methylcyclohexane	53	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9435.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	36	
74-87-3	Chloromethane	53	
75-01-4	Vinyl chloride	55	
74-83-9	Bromomethane	59	
75-00-3	Chloroethane	56	
75-69-4	Trichlorofluoromethane	55	
75-35-4	1,1-Dichloroethene	57	
67-64-1	Acetone	51	
75-15-0	Carbon disulfide	53	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	55	
75-34-3	1,1-Dichloroethane	55	
78-93-3	2-Butanone	57	
156-59-2	cis-1,2-Dichloroethene	55	
74-97-5	Bromochloromethane	57	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	54	
56-23-5	Carbon tetrachloride	54	
107-06-2	1,2-Dichloroethane	56	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	54	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	56	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	55	
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	52	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	52	
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	50	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9435.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	50	
75-25-2	Bromoform	52	
98-82-8	Isopropylbenzene	49	
79-34-5	1,1,2,2-Tetrachloroethane	49	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	47	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	55	
120-82-1	1,2,4-Trichlorobenzene	50	
87-61-6	1,2,3-Trichlorobenzene	52	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	
123-91-1	1,4-Dioxane	930	
110-82-7	Cyclohexane	54	
79-20-9	Methyl acetate	46	
108-87-2	Methylcyclohexane	47	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9436.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	33	
74-87-3	Chloromethane	53	
75-01-4	Vinyl chloride	54	
74-83-9	Bromomethane	56	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	51	
75-35-4	1,1-Dichloroethene	58	
67-64-1	Acetone	48	
75-15-0	Carbon disulfide	52	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	55	
1634-04-4	Methyl tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	54	
78-93-3	2-Butanone	55	
156-59-2	cis-1,2-Dichloroethene	54	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon tetrachloride	51	
107-06-2	1,2-Dichloroethane	54	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	55	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	55	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	54	
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	52	
124-48-1	Dibromochloromethane	50	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	50	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N9436.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/28/2016

% Moisture: not dec. Date Analyzed: 03/30/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	51	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	49	
79-34-5	1,1,2,2-Tetrachloroethane	50	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	50	
96-12-8	1,2-Dibromo-3-chloropropane	56	
120-82-1	1,2,4-Trichlorobenzene	54	
87-61-6	1,2,3-Trichlorobenzene	57	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48	
123-91-1	1,4-Dioxane	1200	
110-82-7	Cyclohexane	54	
79-20-9	Methyl acetate	46	
108-87-2	Methylcyclohexane	48	

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-84150	102	106	99	105				0
02	MB-84150	101	99	98	102				0
03	MW M	100	100	96	102				0
04	MW J	104	101	98	101				0
05	MW B	101	103	97	105				0
06	MW C	102	100	96	101				0
07	MW D	103	97	98	103				0
08	MW K	104	97	99	102				0
09	MW N	105	101	98	102				0
10	MW F	103	101	97	100				0
11	MW H	102	101	98	101				0
12	MW E	104	101	98	102				0
13	MW G	104	101	98	103				0
14	MW I	105	102	97	103				0
15	MW L	105	103	97	103				0
16	TB	104	103	98	103				0
17	FB	105	99	98	101				0
18	MW JMS	102	102	98	105				0
19	MW JMSD	100	107	99	104				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som15.09.23.1015

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J Level: (TRACE or LOW) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	35.5283	71		30-155
Chloromethane	50.0000	0.0000	53.0298	106		40-125
Vinyl chloride	50.0000	0.0000	54.9330	110		50-145
Bromomethane	50.0000	0.0000	58.7781	118		30-145
Chloroethane	50.0000	0.0000	55.5252	111		60-135
Trichlorofluoromethane	50.0000	0.0000	54.8031	110		60-145
1,1-Dichloroethene	50.0000	0.0000	57.0095	114		70-130
Acetone	50.0000	0.0000	51.1751	102		40-140
Carbon disulfide	50.0000	0.0000	52.6049	105		35-160
Methylene chloride	50.0000	0.0000	54.2511	109		55-140
trans-1,2-Dichloroethen	50.0000	0.0000	51.0055	102		60-140
Methyl tert-butyl ether	50.0000	0.0000	54.8162	110		65-125
1,1-Dichloroethane	50.0000	0.0000	54.9126	110		70-135
2-Butanone	50.0000	0.0000	57.1830	114		30-150
cis-1,2-Dichloroethene	50.0000	0.0000	54.8448	110		70-125
Bromochloromethane	50.0000	0.0000	56.7161	113		65-130
Chloroform	50.0000	0.0000	54.4424	109		65-135
1,1,1-Trichloroethane	50.0000	0.0000	54.1058	108		65-130
Carbon tetrachloride	50.0000	0.0000	54.0016	108		65-140
1,2-Dichloroethane	50.0000	0.0000	56.0460	112		70-130
Benzene	50.0000	0.0000	52.8459	106		80-120
Trichloroethene	50.0000	0.0000	50.7327	101		70-125
1,2-Dichloropropane	50.0000	0.0000	54.1045	108		75-125
Bromodichloromethane	50.0000	0.0000	54.5384	109		75-120
cis-1,3-Dichloropropene	50.0000	0.0000	53.1978	106		70-130
4-Methyl-2-pentanone	50.0000	0.0000	56.3027	113		60-135
Toluene	50.0000	0.0000	52.6934	105		75-120
trans-1,3-Dichloroprope	50.0000	0.0000	53.8743	108		55-140
1,1,2-Trichloroethane	50.0000	0.0000	54.8373	110		75-125
Tetrachloroethene	50.0000	0.0000	51.3914	103		45-150
2-Hexanone	50.0000	0.0000	52.3723	105		55-130
Dibromochloromethane	50.0000	0.0000	51.8427	104		60-135
1,2-Dibromoethane	50.0000	0.0000	51.5188	103		80-120
Chlorobenzene	50.0000	0.0000	50.1946	100		80-120
Ethylbenzene	50.0000	0.0000	49.7199	99		75-125
Xylene (Total)	150.0000	0.0000	149.9020	100		81-121
Styrene	50.0000	0.0000	50.0008	100		65-135
Bromoform	50.0000	0.0000	52.2652	105		70-130
Isopropylbenzene	50.0000	0.0000	49.4636	99		75-125
1,1,2,2-Tetrachloroetha	50.0000	0.0000	49.3622	99		65-130
1,3-Dichlorobenzene	50.0000	0.0000	48.3960	97		75-125
1,4-Dichlorobenzene	50.0000	0.0000	47.1554	94		75-125
1,2-Dichlorobenzene	50.0000	0.0000	49.4449	99		70-120
1,2-Dibromo-3-chloropro	50.0000	0.0000	54.9220	110		50-130

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J Level: (TRACE or LOW) LOW

1,2,4-Trichlorobenzene	50.0000	0.0000	50.2989	101		65-135
1,2,3-Trichlorobenzene	50.0000	0.0000	52.2807	105		55-140
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0000	0.0000	50.2047	100		70-130
1,4-Dioxane	1000.0000	0.0000	930.1213	93		70-130
Cyclohexane	50.0000	0.0000	53.9436	108		70-130
Methyl acetate	50.0000	0.0000	46.0521	92		70-130
Methylcyclohexane	50.0000	0.0000	47.3514	95		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	32.7092	65		8		0-30	30-155
Chloromethane	50.0000	53.1324	106		0		0-30	40-125
Vinyl chloride	50.0000	54.0200	108		2		0-30	50-145
Bromomethane	50.0000	55.5818	111		6		0-30	30-145
Chloroethane	50.0000	54.4834	109		2		0-30	60-135
Trichlorofluoromethane	50.0000	50.5880	101		8		0-30	60-145
1,1-Dichloroethene	50.0000	57.7713	116		1		0-30	70-130
Acetone	50.0000	48.0603	96		6		0-30	40-140
Carbon disulfide	50.0000	51.9408	104		1		0-30	35-160
Methylene chloride	50.0000	53.8710	108		1		0-30	55-140
trans-1,2-Dichloroethen	50.0000	55.1374	110		8		0-30	60-140
Methyl tert-butyl ether	50.0000	50.6754	101		8		0-30	65-125
1,1-Dichloroethane	50.0000	53.5982	107		2		0-30	70-135
2-Butanone	50.0000	54.6804	109		4		0-30	30-150
cis-1,2-Dichloroethene	50.0000	53.8619	108		2		0-30	70-125
Bromochloromethane	50.0000	54.3824	109		4		0-30	65-130
Chloroform	50.0000	52.4252	105		4		0-30	65-135
1,1,1-Trichloroethane	50.0000	51.7793	104		4		0-30	65-130
Carbon tetrachloride	50.0000	50.5786	101		7		0-30	65-140
1,2-Dichloroethane	50.0000	53.7443	107		4		0-30	70-130
Benzene	50.0000	52.3712	105		1		0-30	80-120
Trichloroethene	50.0000	49.7221	99		2		0-30	70-125
1,2-Dichloropropane	50.0000	55.0207	110		2		0-30	75-125
Bromodichloromethane	50.0000	53.8415	108		1		0-30	75-120
cis-1,3-Dichloropropene	50.0000	52.3597	105		2		0-30	70-130
4-Methyl-2-pentanone	50.0000	54.6314	109		3		0-30	60-135
Toluene	50.0000	52.0244	104		1		0-30	75-120
trans-1,3-Dichloroprope	50.0000	53.1930	106		1		0-30	55-140
1,1,2-Trichloroethane	50.0000	53.5821	107		2		0-30	75-125
Tetrachloroethene	50.0000	50.7109	101		1		0-30	45-150
2-Hexanone	50.0000	52.3584	105		0		0-30	55-130
Dibromochloromethane	50.0000	50.4466	101		3		0-30	60-135
1,2-Dibromoethane	50.0000	51.3385	103		0		0-30	80-120
Chlorobenzene	50.0000	49.2128	98		2		0-30	80-120
Ethylbenzene	50.0000	49.8893	100		0		0-30	75-125
Xylene (Total)	150.0000	148.0100	99		1		0-30	81-121

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J Level: (TRACE or LOW) LOW

Styrene	50.0000	50.7326	101		1		0-30	65-135
Bromoform	50.0000	49.2418	98		6		0-30	70-130
Isopropylbenzene	50.0000	49.2804	99		0		0-30	75-125
1,1,2,2-Tetrachloroetha	50.0000	49.6234	99		1		0-30	65-130
1,3-Dichlorobenzene	50.0000	49.0491	98		1		0-30	75-125
1,4-Dichlorobenzene	50.0000	47.7356	95		1		0-30	75-125
1,2-Dichlorobenzene	50.0000	50.0567	100		1		0-30	70-120
1,2-Dibromo-3-chloropro	50.0000	55.9122	112		2		0-30	50-130
1,2,4-Trichlorobenzene	50.0000	53.9899	108		7		0-30	65-135
1,2,3-Trichlorobenzene	50.0000	57.1884	114		9		0-30	55-140
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0000	48.3722	97		4		0-30	70-130
1,4-Dioxane	1000.0000	1205.6121	121		26		0-30	70-130
Cyclohexane	50.0000	54.0446	108		0		0-30	70-130
Methyl acetate	50.0000	45.9557	92		0		0-30	70-130
Methylcyclohexane	50.0000	47.9340	96		1		0-30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 51 outside limits

Spike Recovery: 0 out of 102 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Lab Sample ID: LCS-84150 LCS Lot No.:

Date Extracted: 03/29/2016 Date Analyzed (1): 03/29/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	36.1858	72		30 - 155
Chloromethane	50.0000	0.0000	52.4058	105		40 - 125
Vinyl chloride	50.0000	0.0000	54.6471	109		50 - 145
Bromomethane	50.0000	0.0000	55.4556	111		30 - 145
Chloroethane	50.0000	0.0000	53.4782	107		60 - 135
Trichlorofluoromethane	50.0000	0.0000	53.2856	107		60 - 145
1,1-Dichloroethene	50.0000	0.0000	58.4763	117		70 - 130
Acetone	50.0000	0.0000	58.7447	117		40 - 140
Carbon disulfide	50.0000	0.0000	52.3662	105		35 - 160
Methylene chloride	50.0000	0.0000	53.1139	106		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	55.9860	112		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	58.3603	117		65 - 125
1,1-Dichloroethane	50.0000	0.0000	55.1949	110		70 - 135
2-Butanone	50.0000	0.0000	63.1549	126		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	56.0126	112		70 - 125
Bromochloromethane	50.0000	0.0000	55.9095	112		65 - 130
Chloroform	50.0000	0.0000	54.1064	108		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	52.1476	104		65 - 130
Carbon tetrachloride	50.0000	0.0000	57.4823	115		65 - 140
1,2-Dichloroethane	50.0000	0.0000	56.9890	114		70 - 130
Benzene	50.0000	0.0000	54.6297	109		80 - 120
Trichloroethene	50.0000	0.0000	52.4314	105		70 - 125
1,2-Dichloropropane	50.0000	0.0000	56.2507	113		75 - 125
Bromodichloromethane	50.0000	0.0000	55.1092	110		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	56.8319	114		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	65.0367	130		60 - 135
Toluene	50.0000	0.0000	53.4902	107		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	58.0822	116		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	56.0811	112		75 - 125
Tetrachloroethene	50.0000	0.0000	52.6773	105		45 - 150
2-Hexanone	50.0000	0.0000	63.1122	126		55 - 130
Dibromochloromethane	50.0000	0.0000	54.2547	109		60 - 135
1,2-Dibromoethane	50.0000	0.0000	55.9553	112		80 - 120
Chlorobenzene	50.0000	0.0000	51.0824	102		80 - 120
Ethylbenzene	50.0000	0.0000	51.8540	104		75 - 125
Xylene (Total)	150.0000	0.0000	153.6360	102		81 - 121
Styrene	50.0000	0.0000	54.0817	108		65 - 135
Bromoform	50.0000	0.0000	55.5536	111		70 - 130
Isopropylbenzene	50.0000	0.0000	51.2731	103		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	55.1704	110		65 - 130
1,3-Dichlorobenzene	50.0000	0.0000	49.6117	99		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	49.5875	99		75 - 125
1,2-Dichlorobenzene	50.0000	0.0000	51.0709	102		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	64.0725	128		50 - 130

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Lab Sample ID: LCS-84150 LCS Lot No.:

Date Extracted: 03/29/2016 Date Analyzed (1): 03/29/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.0000	0.0000	55.9049	112		65 - 135
1,2,3-Trichlorobenzene	50.0000	0.0000	62.2367	124		55 - 140
1,1,2-Trichloro-1,2,2-trif	50.0000	0.0000	52.6165	105		70 - 130
1,4-Dioxane	1000.0000	0.0000	1442.4503	144	*	70 - 130
Cyclohexane	50.0000	0.0000	57.7374	115		70 - 130
Methyl acetate	50.0000	0.0000	62.4056	125		70 - 130
Methylcyclohexane	50.0000	0.0000	52.6060	105		70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 51 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
MB-84150

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Lab File ID: V1N9419.D Lab Sample ID: MB-84150

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 03/29/2016

Level: (TRACE or LOW/MED) LOW Time Analyzed: 21:01

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-84150	LCS-84150	V1N9417.D	20:12
02	MW M	R0225-01A	V1N9420.D	21:26
03	MW J	R0225-02A	V1N9421.D	21:51
04	MW B	R0225-03A	V1N9422.D	22:15
05	MW C	R0225-04A	V1N9423.D	22:40
06	MW D	R0225-05A	V1N9424.D	23:05
07	MW K	R0225-06A	V1N9425.D	23:30
08	MW N	R0225-07A	V1N9426.D	23:54
09	MW F	R0225-08A	V1N9427.D	0:19
10	MW H	R0225-09A	V1N9428.D	0:43
11	MW E	R0225-10A	V1N9429.D	1:08
12	MW G	R0225-11A	V1N9430.D	1:32
13	MW I	R0225-12A	V1N9431.D	1:57
14	MW L	R0225-13A	V1N9432.D	2:22
15	TB	R0225-14A	V1N9433.D	2:46
16	FB	R0225-15A	V1N9434.D	3:11
17	MW JMS	R0225-02AMS	V1N9435.D	3:35
18	MW JMSD	R0225-02AMSD	V1N9436.D	4:00

COMMENTS:

som15.09.23.1015

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 03/24/2016 03/24/2016

EPA Sample No.(VSTD#####): VSTD0501B Date Analyzed: 03/29/2016

Lab File ID (Standard): V1N9416.D Time Analyzed: 19:47

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	267483		4.213		230387		7.031		109908		9.612	
	UPPER LIMIT	534966		4.713		460774		7.531		219816		10.112	
	LOWER LIMIT	133742		3.713		115194		6.531		54954		9.112	
	SAMPLE NO.												
01	LCS-84150	267234		4.217		226685		7.035		109030		9.626	
02	MB-84150	270825		4.212		228330		7.040		105032		9.621	
03	MW M	276290		4.214		239595		7.032		109401		9.614	
04	MW J	272873		4.213		232314		7.031		104697		9.602	
05	MW B	272088		4.213		231323		7.031		107599		9.613	
06	MW C	274760		4.204		238848		7.022		108804		9.604	
07	MW D	270948		4.207		231281		7.025		107599		9.606	
08	MW K	282404		4.212		239198		7.030		109351		9.611	
09	MW N	273057		4.209		236035		7.037		109883		9.609	
10	MW F	280560		4.212		241464		7.021		109037		9.612	
11	MW H	284056		4.204		242518		7.022		111855		9.613	
12	MW E	271982		4.213		238182		7.030		107253		9.602	
13	MW G	285742		4.206		242418		7.024		111478		9.606	
14	MW I	281600		4.206		240059		7.024		110115		9.606	
15	MW L	278609		4.208		240246		7.026		113923		9.608	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 03/24/2016 03/24/2016

EPA Sample No.(VSTD#####): VSTD0501B Date Analyzed: 03/29/2016

Lab File ID (Standard): V1N9416.D Time Analyzed: 19:47

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	267483		4.213		230387		7.031		109908		9.612	
	UPPER LIMIT	534966		4.713		460774		7.531		219816		10.112	
	LOWER LIMIT	133742		3.713		115194		6.531		54954		9.112	
	SAMPLE NO.												
16	TB	273791		4.203		236493		7.021		110287		9.603	
17	FB	286746		4.204		243461		7.032		108738		9.613	
18	MW JMS	270313		4.203		231486		7.031		115716		9.603	
19	MW JMSD	274845		4.204		233488		7.022		113063		9.603	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Semivolatile Organics *

REPORT NARRATIVE

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0225

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

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

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] ZB-Semi 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.

MW H (R0225-09B), recovery is below criteria for Terphenyl-d14 at 48% with criteria of (50-135).

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-84136 in batch 84136, recovery is above criteria for Pentachlorophenol at 115% with criteria of (40-115).

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

Matrix spikes were performed on samples: MW J (R0225-02BMS) and MW J (R0225-02BMSD).

Percent recoveries were within the QC limits with the following exceptions:

MW J (R0225-02BMSD), recovery is above criteria for Bis(2-

ethylhexyl)phthalate at 264% with criteria of (40-125).

Replicate RPDs were within the advisory QC limits with the exception of the following:

MW J (R0225-02BMSD), Relative Percent Difference is greater than RPD limit for Bis(2-ethylhexyl)phthalate, 2,4-Dinitrophenol.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

MW J (R0225-02B) : Dilution Factor: 5

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SSTD0056M 1,4-Dioxane , 1,4-Dioxane-d8, 4-Nitrophenol, Indeno(1,2,3-cd)pyrene due to M7

SSTD0106M 4-Nitrophenol due to M6

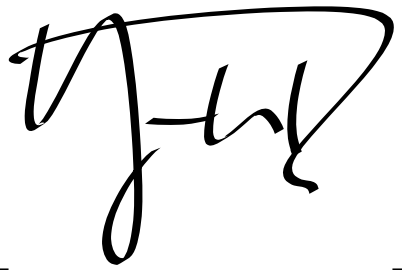
SSTD0256M 1,4-Dioxane-d8 , Indeno(1,2,3-cd)pyrene due to M7

SSTD0406M 1,4-Dioxane-d8 , Indeno(1,2,3-cd)pyrene due to M7

SSTD0606M Indeno(1,2,3-cd)pyrene due to M7

SSTD0806M 1,4-Dioxane-d8 , Indeno(1,2,3-cd)pyrene due to M7

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, 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:_____4/8/2016_____

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4443.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

CLIENT SAMPLE NO.
MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4443.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1.3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	1.1	J
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4443.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	301-02-0	9-Octadecenamide, (Z)-	12.792	6.6	NJ
02	112-84-5	13-Docosenamide, (Z)-	14.414	14	BNJ
03	10147-75-8	N,N'-Dibenzylidene-3,3'-dich	15.448	8.0	NJ

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4461.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 04/01/2016

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	50	U
111-44-4	Bis(2-chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	2,2´-oxybis(1-Chloropropane)	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	N-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	50	U
105-67-9	2,4-Dimethylphenol	50	U
120-83-2	2,4-Dichlorophenol	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
111-91-1	Bis(2-chloroethoxy)methane	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	50	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U
99-09-2	3-Nitroaniline	100	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	100	U
100-02-7	4-Nitrophenol	100	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	U
7005-72-3	4-Chlorophenyl-phenylether	50	U
86-73-7	Fluorene	50	U

CLIENT SAMPLE NO.
MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4461.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 04/01/2016

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	100	U
534-52-1	4,6-Dinitro-2-methylphenol	100	U
86-30-6	N-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
86-74-8	Carbazole	50	U
84-74-2	Di-n-butylphthalate	50	U
206-44-0	Fluoranthene	50	U
129-00-0	Pyrene	50	U
85-68-7	Butylbenzylphthalate	50	U
91-94-1	3,3´-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	Bis(2-ethylhexyl)phthalate	100	
117-84-0	Di-n-octylphthalate	50	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U
92-52-4	1,1´-Biphenyl	50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U
98-86-2	Acetophenone	50	U
1912-24-9	Atrazine	50	U
100-52-7	Benzaldehyde	50	U
105-60-2	Caprolactam	50	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4461.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 04/01/2016

GPC Cleanup: (Y/N) N pH: Dilution Factor: 5.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4447.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4447.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4447.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	488-23-3	Benzene, 1,2,3,4-tetramethyl	5.659	16	NJ
02		Unknown	8.838	19	J
03	1921-70-6	Pentadecane, 2,6,10,14-tetra	9.596	13	NJ
04	57-10-3	n-Hexadecanoic acid	10.976	12	BNJ
05	10544-50-0	Cyclic octaatomic sulfur	11.517	470	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4448.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4448.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4448.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.953	11	BNJ
02	1599-67-3	1-Docosene	13.309	6.4	NJ
03	112-84-5	13-Docosenamide, (Z)-	14.414	7.2	BNJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4449.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4449.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4449.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.33118)	4.331	4.1	J
02		Unknown (7.96230)	7.962	8.9	J
03		Unknown (8.10330)	8.103	6.6	J
04		Unknown (8.67912)	8.679	8.8	J
05	57-10-3	n-Hexadecanoic acid	10.947	11	BNJ
06		Unknown (11.64040)	11.640	4.2	J
07	5454-48-8	Bromoacetic acid, hexadecyl	13.309	6.7	NJ

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4450.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4450.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.6	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4450.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.953	15	BNJ
02		Unknown (11.04090)	11.041	4.6	J
03	57-11-4	Octadecanoic acid	11.905	5.8	NJ
04	629-54-9	Hexadecanamide	11.999	4.0	NJ
05	301-02-0	9-Octadecenamide, (Z)-	12.798	6.1	NJ
06		Unknown (12.89758)	12.898	4.6	J
07	112-84-5	13-Docosenamide, (Z)-	14.413	9.5	BNJ
08		Unknown (14.51925)	14.519	9.0	J
09		Unknown (15.24193)	15.242	4.1	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4451.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4451.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4451.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.96800)	7.968	12	J
02		Unknown (8.10315)	8.103	8.5	J
03		Unknown (8.53207)	8.532	5.5	J
04		Unknown (8.67895)	8.679	5.6	J
05	57-10-3	n-Hexadecanoic acid	10.953	12	BNJ
06	112-84-5	13-Docosenamide, (Z)-	14.408	5.8	BNJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4452.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4452.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.8	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4452.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.953	15	BNJ
02		Unknown (11.04093)	11.041	5.0	J
03		Unknown (11.73425)	11.734	4.4	J
04	57-11-4	Octadecanoic acid	11.905	5.7	NJ
05	629-54-9	Hexadecanamide	11.999	5.0	NJ
06	301-02-0	9-Octadecenamide, (Z)-	12.798	7.2	NJ
07	638-58-4	Tetradecanamide	12.898	5.3	NJ
08	112-85-6	Docosanoic acid	13.597	4.3	NJ
09		Unknown (13.72020)	13.720	5.8	J
10	18835-32-0	1-Tricosene	14.102	4.0	NJ
11	112-84-5	13-Docosenamide, (Z)-	14.414	11	BNJ
12		Unknown (15.23610)	15.236	4.8	J

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4453.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	4.1	J
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4453.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4453.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.37450)	7.375	28	J
02		Unknown (7.50965)	7.510	24	J
03		Unknown (7.80342)	7.803	31	J
04		Unknown (7.88568)	7.886	24	J
05		Unknown (8.07370)	8.074	57	J
06		Unknown (8.17358)	8.174	28	J
07		Unknown (8.27347)	8.273	30	J
08		Unknown (8.42037)	8.420	27	J
09		Unknown (8.85515)	8.855	25	J
10		Unknown (8.87865)	8.879	31	J
11		Unknown (9.06080)	9.061	56	J
12		Unknown (9.13718)	9.137	37	J
13		Unknown (9.28995)	9.290	24	J
14		Unknown (9.44858)	9.449	37	J
15		Unknown (9.50147)	9.501	23	J
16		Unknown (9.56022)	9.560	27	J
17		Unknown (9.60722)	9.607	38	J
18		Unknown (9.74237)	9.742	27	J
19		Unknown (9.86575)	9.866	47	J
20		Unknown (10.03027)	10.030	35	J
21		Unknown (10.30053)	10.301	24	J
22		Unknown (10.37105)	10.371	30	J
23		Unknown (10.62370)	10.624	26	J
24		Unknown (11.27588)	11.276	22	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4454.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4454.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	1.4	J
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	3.4	J
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4454.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (1.71650)	1.716	5.6	J
02		Unknown (1.89863)	1.899	5.8	J
03		Unknown (2.89160)	2.892	5.9	J
04	526-73-8	Benzene, 1,2,3-trimethyl-	4.531	5.6	NJ
05	1074-55-1	Benzene, 1-methyl-4-propyl-	4.684	9.5	NJ
06	496-11-7	Indane	4.930	26	NJ
07	105-05-5	Benzene, 1,4-diethyl- (5.042	5.042	24	NJ
08	105-05-5	Benzene, 1,4-diethyl- (5.124	5.124	19	NJ
09	1758-88-9	Benzene, 2-ethyl-1,4-dimethy	5.301	13	NJ
10	488-23-3	Benzene, 1,2,3,4-tetramethyl	5.659	11	NJ
11	874-35-1	1H-Indene, 2,3-dihydro-5-met	5.871	12	NJ
12	767-58-8	Indan, 1-methyl-	5.941	17	NJ
13	20836-11-7	1H-Indene,2,3-dihydro-2,2-di	6.323	9.4	NJ
14	57-10-3	n-Hexadecanoic acid	10.953	14	BNJ
15	77899-03-7	1-Heneicosyl formate	13.309	7.2	NJ
16	112-84-5	13-Docosenamide, (Z)-	14.414	7.3	BNJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4455.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4455.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4455.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (6.66355)	6.664	21	J
02		Unknown (6.85157)	6.852	22	J
03		Unknown (7.52727)	7.527	18	J
04		Unknown (7.77992)	7.780	29	J
05		Unknown (7.88568)	7.886	18	J
06		Unknown (8.09132)	8.091	17	J
07		Unknown (8.15008)	8.150	15	J
08	581-40-8	Naphthalene, 2,3-dimethyl-	8.203	18	NJ
09		Unknown (8.48498)	8.485	18	J
10		Unknown (8.57312)	8.573	24	J
11		Unknown (8.67300)	8.673	29	J
12		Unknown (8.83752)	8.838	23	J
13		Unknown (8.91390)	8.914	19	J
14		Unknown (9.13717)	9.137	40	J
15		Unknown (9.42507)	9.425	18	J
16		Unknown (9.48970)	9.490	28	J
17		Unknown (9.90100)	9.901	30	J
18		Unknown (10.09488)	10.095	28	J
19		Unknown (10.46505)	10.465	14	J
20		Unknown (10.78820)	10.788	31	J
21	57-10-3	n-Hexadecanoic acid	10.970	32	BNJ
22		Unknown (11.36402)	11.364	67	J
23	10544-50-0	Cyclic octaatomic sulfur	11.675	38	NJ
24	57-11-4	Octadecanoic acid	11.910	17	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-12B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4456.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-12B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4456.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	6.3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-12B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4456.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.965	13	BNJ
02	1599-67-3	1-Docosene	13.321	6.0	NJ
03	112-84-5	13-Docosenamide, (Z)-	14.413	5.9	BNJ

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4457.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4457.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4457.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.947	9.3	BNJ
02	77899-03-7	1-Heneicosyl formate	13.309	6.1	NJ
03	112-84-5	13-Docosenamide, (Z)-	14.414	5.2	BNJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-15B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4458.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-15B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4458.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-15B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4458.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.947	7.4	BNJ
02	1599-67-3	1-Docosene	13.309	5.2	NJ
03	112-84-5	13-Docosenamide, (Z)-	14.408	5.6	BNJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84136

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4437.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84136

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4437.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84136

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4437.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.959	8.7	NJ
02	112-84-5	13-Docosenamide, (Z)-	14.425	4.7	NJ
03		Unknown	14.931	4.9	J

[2]EPA-designated Registry Number.

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84136

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4438.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	13	
111-44-4	Bis(2-chloroethyl)ether	39	
95-57-8	2-Chlorophenol	37	
95-48-7	2-Methylphenol	31	
108-60-1	2,2´-oxybis(1-Chloropropane)	34	
106-44-5	4-Methylphenol	28	
621-64-7	N-Nitroso-di-n-propylamine	35	
67-72-1	Hexachloroethane	36	
98-95-3	Nitrobenzene	40	
78-59-1	Isophorone	40	
88-75-5	2-Nitrophenol	42	
105-67-9	2,4-Dimethylphenol	36	
120-83-2	2,4-Dichlorophenol	43	
91-20-3	Naphthalene	39	
106-47-8	4-Chloroaniline	40	
111-91-1	Bis(2-chloroethoxy)methane	40	
87-68-3	Hexachlorobutadiene	43	
59-50-7	4-Chloro-3-methylphenol	41	
91-57-6	2-Methylnaphthalene	42	
77-47-4	Hexachlorocyclopentadiene	53	
88-06-2	2,4,6-Trichlorophenol	45	
95-95-4	2,4,5-Trichlorophenol	48	
91-58-7	2-Chloronaphthalene	41	
88-74-4	2-Nitroaniline	39	
131-11-3	Dimethylphthalate	44	
208-96-8	Acenaphthylene	40	
606-20-2	2,6-Dinitrotoluene	44	
99-09-2	3-Nitroaniline	42	
83-32-9	Acenaphthene	41	
51-28-5	2,4-Dinitrophenol	56	
100-02-7	4-Nitrophenol	19	J
132-64-9	Dibenzofuran	42	
121-14-2	2,4-Dinitrotoluene	45	
84-66-2	Diethylphthalate	45	
7005-72-3	4-Chlorophenyl-phenylether	45	
86-73-7	Fluorene	43	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84136

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4438.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	44	
534-52-1	4,6-Dinitro-2-methylphenol	53	
86-30-6	N-Nitrosodiphenylamine	42	
101-55-3	4-Bromophenyl-phenylether	46	
118-74-1	Hexachlorobenzene	44	
87-86-5	Pentachlorophenol	58	
85-01-8	Phenanthrene	42	
120-12-7	Anthracene	42	
86-74-8	Carbazole	42	
84-74-2	Di-n-butylphthalate	48	
206-44-0	Fluoranthene	44	
129-00-0	Pyrene	42	
85-68-7	Butylbenzylphthalate	48	
91-94-1	3,3´-Dichlorobenzidine	47	
56-55-3	Benzo(a)anthracene	44	
218-01-9	Chrysene	42	
117-81-7	Bis(2-ethylhexyl)phthalate	47	
117-84-0	Di-n-octylphthalate	48	
205-99-2	Benzo(b)fluoranthene	49	
207-08-9	Benzo(k)fluoranthene	45	
50-32-8	Benzo(a)pyrene	45	
193-39-5	Indeno(1,2,3-cd)pyrene	41	
53-70-3	Dibenzo(a,h)anthracene	46	
191-24-2	Benzo(g,h,i)perylene	45	
92-52-4	1,1´-Biphenyl	42	
95-94-3	1,2,4,5-Tetrachlorobenzene	57	
98-86-2	Acetophenone	39	
1912-24-9	Atrazine	46	
100-52-7	Benzaldehyde	43	
105-60-2	Caprolactam	13	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4445.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	12	
111-44-4	Bis(2-chloroethyl)ether	37	
95-57-8	2-Chlorophenol	35	
95-48-7	2-Methylphenol	30	
108-60-1	2,2´-oxybis(1-Chloropropane)	32	
106-44-5	4-Methylphenol	27	
621-64-7	N-Nitroso-di-n-propylamine	33	
67-72-1	Hexachloroethane	34	
98-95-3	Nitrobenzene	37	
78-59-1	Isophorone	38	
88-75-5	2-Nitrophenol	40	
105-67-9	2,4-Dimethylphenol	37	
120-83-2	2,4-Dichlorophenol	40	
91-20-3	Naphthalene	36	
106-47-8	4-Chloroaniline	37	
111-91-1	Bis(2-chloroethoxy)methane	38	
87-68-3	Hexachlorobutadiene	40	
59-50-7	4-Chloro-3-methylphenol	37	
91-57-6	2-Methylnaphthalene	38	
77-47-4	Hexachlorocyclopentadiene	47	
88-06-2	2,4,6-Trichlorophenol	41	
95-95-4	2,4,5-Trichlorophenol	44	
91-58-7	2-Chloronaphthalene	38	
88-74-4	2-Nitroaniline	36	
131-11-3	Dimethylphthalate	39	
208-96-8	Acenaphthylene	37	
606-20-2	2,6-Dinitrotoluene	40	
99-09-2	3-Nitroaniline	38	
83-32-9	Acenaphthene	38	
51-28-5	2,4-Dinitrophenol	52	
100-02-7	4-Nitrophenol	17	J
132-64-9	Dibenzofuran	38	
121-14-2	2,4-Dinitrotoluene	41	
84-66-2	Diethylphthalate	41	
7005-72-3	4-Chlorophenyl-phenylether	41	
86-73-7	Fluorene	39	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4445.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	40	
534-52-1	4,6-Dinitro-2-methylphenol	48	
86-30-6	N-Nitrosodiphenylamine	37	
101-55-3	4-Bromophenyl-phenylether	42	
118-74-1	Hexachlorobenzene	40	
87-86-5	Pentachlorophenol	52	
85-01-8	Phenanthrene	38	
120-12-7	Anthracene	38	
86-74-8	Carbazole	38	
84-74-2	Di-n-butylphthalate	43	
206-44-0	Fluoranthene	41	
129-00-0	Pyrene	37	
85-68-7	Butylbenzylphthalate	43	
91-94-1	3,3´-Dichlorobenzidine	39	
56-55-3	Benzo(a)anthracene	40	
218-01-9	Chrysene	38	
117-81-7	Bis(2-ethylhexyl)phthalate	54	
117-84-0	Di-n-octylphthalate	43	
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	40	
50-32-8	Benzo(a)pyrene	40	
193-39-5	Indeno(1,2,3-cd)pyrene	34	
53-70-3	Dibenzo(a,h)anthracene	41	
191-24-2	Benzo(g,h,i)perylene	41	
92-52-4	1,1´-Biphenyl	39	
95-94-3	1,2,4,5-Tetrachlorobenzene	53	
98-86-2	Acetophenone	36	
1912-24-9	Atrazine	42	
100-52-7	Benzaldehyde	38	
105-60-2	Caprolactam	12	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4446.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	12	
111-44-4	Bis(2-chloroethyl)ether	36	
95-57-8	2-Chlorophenol	34	
95-48-7	2-Methylphenol	29	
108-60-1	2,2´-oxybis(1-Chloropropane)	31	
106-44-5	4-Methylphenol	27	
621-64-7	N-Nitroso-di-n-propylamine	32	
67-72-1	Hexachloroethane	33	
98-95-3	Nitrobenzene	37	
78-59-1	Isophorone	37	
88-75-5	2-Nitrophenol	38	
105-67-9	2,4-Dimethylphenol	32	
120-83-2	2,4-Dichlorophenol	39	
91-20-3	Naphthalene	36	
106-47-8	4-Chloroaniline	37	
111-91-1	Bis(2-chloroethoxy)methane	37	
87-68-3	Hexachlorobutadiene	39	
59-50-7	4-Chloro-3-methylphenol	38	
91-57-6	2-Methylnaphthalene	38	
77-47-4	Hexachlorocyclopentadiene	46	
88-06-2	2,4,6-Trichlorophenol	41	
95-95-4	2,4,5-Trichlorophenol	43	
91-58-7	2-Chloronaphthalene	37	
88-74-4	2-Nitroaniline	36	
131-11-3	Dimethylphthalate	39	
208-96-8	Acenaphthylene	37	
606-20-2	2,6-Dinitrotoluene	40	
99-09-2	3-Nitroaniline	38	
83-32-9	Acenaphthene	38	
51-28-5	2,4-Dinitrophenol	38	
100-02-7	4-Nitrophenol	17	J
132-64-9	Dibenzofuran	38	
121-14-2	2,4-Dinitrotoluene	41	
84-66-2	Diethylphthalate	41	
7005-72-3	4-Chlorophenyl-phenylether	41	
86-73-7	Fluorene	38	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0225-02BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C4446.D

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

% Moisture: Decanted: (Y/N) Date Received: 03/28/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 03/28/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 03/31/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	39	
534-52-1	4,6-Dinitro-2-methylphenol	48	
86-30-6	N-Nitrosodiphenylamine	37	
101-55-3	4-Bromophenyl-phenylether	41	
118-74-1	Hexachlorobenzene	40	
87-86-5	Pentachlorophenol	52	
85-01-8	Phenanthrene	38	
120-12-7	Anthracene	38	
86-74-8	Carbazole	38	
84-74-2	Di-n-butylphthalate	43	
206-44-0	Fluoranthene	41	
129-00-0	Pyrene	38	
85-68-7	Butylbenzylphthalate	43	
91-94-1	3,3´-Dichlorobenzidine	38	
56-55-3	Benzo(a)anthracene	40	
218-01-9	Chrysene	38	
117-81-7	Bis(2-ethylhexyl)phthalate	130	E
117-84-0	Di-n-octylphthalate	42	
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	40	
50-32-8	Benzo(a)pyrene	39	
193-39-5	Indeno(1,2,3-cd)pyrene	35	
53-70-3	Dibenzo(a,h)anthracene	42	
191-24-2	Benzo(g,h,i)perylene	41	
92-52-4	1,1´-Biphenyl	38	
95-94-3	1,2,4,5-Tetrachlorobenzene	52	
98-86-2	Acetophenone	35	
1912-24-9	Atrazine	44	
100-52-7	Benzaldehyde	40	
105-60-2	Caprolactam	12	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-84136	75	80	86	27	51	97			0
02	LCS-84136	80	84	86	29	54	99			0
03	MW M	68	73	78	25	45	84			0
04	MW JMS	74	77	70	28	50	90			0
05	MW JMSD	74	76	72	27	50	91			0
06	MW B	76	81	74	29	55	97			0
07	MW C	73	78	77	26	49	91			0
08	MW D	70	77	80	27	49	92			0
09	MW K	64	69	67	24	44	82			0
10	MW N	70	80	68	27	47	95			0
11	MW F	70	75	59	26	47	91			0
12	MW H	80	77	48 *	29	52	102			1
13	MW E	71	76	70	25	48	92			0
14	MW G	68	73	71	26	47	89			0
15	MW I	69	74	62	28	48	89			0
16	MW L	69	75	76	28	48	92			0
17	FB	64	69	67	25	43	80			0
18	MW J	67	72	67	22	37	87			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som15.09.23.1015

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	12.4577	25		0-115
Bis(2-chloroethyl)ether	50.0000	0.0000	36.6840	73		35-110
2-Chlorophenol	50.0000	0.0000	34.9033	70		35-105
2-Methylphenol	50.0000	0.0000	29.7526	60		40-110
2,2´-oxybis(1-Chloropro	50.0000	0.0000	31.6629	63		30-123
4-Methylphenol	50.0000	0.0000	27.3392	55		30-110
N-Nitroso-di-n-propylam	50.0000	0.0000	33.4685	67		35-130
Hexachloroethane	50.0000	0.0000	34.1977	68		30-95
Nitrobenzene	50.0000	0.0000	37.0379	74		45-110
Isophorone	50.0000	0.0000	37.7271	75		50-110
2-Nitrophenol	50.0000	0.0000	40.0288	80		40-115
2,4-Dimethylphenol	50.0000	0.0000	37.4958	75		30-110
2,4-Dichlorophenol	50.0000	0.0000	39.5129	79		50-105
Naphthalene	50.0000	0.0000	36.1652	72		40-100
4-Chloroaniline	50.0000	0.0000	37.2556	75		15-110
Bis(2-chloroethoxy)meth	50.0000	0.0000	37.6303	75		45-105
Hexachlorobutadiene	50.0000	0.0000	40.4373	81		25-105
4-Chloro-3-methylphenol	50.0000	0.0000	37.0481	74		45-110
2-Methylnaphthalene	50.0000	0.0000	38.2923	77		45-105
Hexachlorocyclopentadie	50.0000	0.0000	47.2265	94		27-147
2,4,6-Trichlorophenol	50.0000	0.0000	40.8514	82		50-115
2,4,5-Trichlorophenol	50.0000	0.0000	43.5989	87		50-110
2-Chloronaphthalene	50.0000	0.0000	37.5782	75		50-105
2-Nitroaniline	50.0000	0.0000	36.2809	73		50-115
Dimethylphthalate	50.0000	0.0000	39.3052	79		25-125
Acenaphthylene	50.0000	0.0000	37.0717	74		50-105
2,6-Dinitrotoluene	50.0000	0.0000	39.5484	79		50-115
3-Nitroaniline	50.0000	0.0000	38.0662	76		20-125
Acenaphthene	50.0000	0.0000	37.5779	75		45-110
2,4-Dinitrophenol	50.0000	0.0000	52.4715	105		15-140
4-Nitrophenol	50.0000	0.0000	17.2753	35		0-125
Dibenzofuran	50.0000	0.0000	38.1728	76		55-105
2,4-Dinitrotoluene	50.0000	0.0000	40.5486	81		50-120
Diethylphthalate	50.0000	0.0000	41.2720	83		40-120
4-Chlorophenyl-phenylet	50.0000	0.0000	40.7146	81		50-110
Fluorene	50.0000	0.0000	38.5757	77		50-110
4-Nitroaniline	50.0000	0.0000	40.0061	80		35-120
4,6-Dinitro-2-methylphe	50.0000	0.0000	47.8701	96		40-130
N-Nitrosodiphenylamine	50.0000	0.0000	36.9376	74		50-110
4-Bromophenyl-phenyleth	50.0000	0.0000	41.7566	84		50-115
Hexachlorobenzene	50.0000	0.0000	40.0924	80		50-110
Pentachlorophenol	50.0000	0.0000	52.3554	105		40-115
Phenanthrene	50.0000	0.0000	38.2091	76		50-115
Anthracene	50.0000	0.0000	37.8686	76		55-110

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J

Carbazole	50.0000	0.0000	38.1760	76		50-115
Di-n-butylphthalate	50.0000	0.0000	43.1565	86		55-115
Fluoranthene	50.0000	0.0000	40.6936	81		55-115
Pyrene	50.0000	0.0000	37.2534	75		50-130
Butylbenzylphthalate	50.0000	0.0000	43.2907	87		45-115
3,3´-Dichlorobenzidine	50.0000	0.0000	38.9520	78		20-110
Benzo(a)anthracene	50.0000	0.0000	39.8962	80		55-110
Chrysene	50.0000	0.0000	37.7411	75		55-110
Bis(2-ethylhexyl)phthal	50.0000	101.2743	53.9761	-95	*	40-125
Di-n-octylphthalate	50.0000	0.0000	42.6491	85		35-135
Benzo(b)fluoranthene	50.0000	0.0000	39.4198	79		45-120
Benzo(k)fluoranthene	50.0000	0.0000	40.4541	81		45-125
Benzo(a)pyrene	50.0000	0.0000	40.1208	80		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	34.3529	69		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	41.3625	83		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	40.6640	81		40-125
1,1´-Biphenyl	50.0000	0.0000	38.5647	77		55-108
1,2,4,5-Tetrachlorobenz	50.0000	0.0000	53.3424	107		38-170
Acetophenone	50.0000	0.0000	36.0507	72		56-145
Atrazine	50.0000	0.0000	41.5687	83		52-175
Benzaldehyde	50.0000	0.0000	38.3576	77		10-133
Caprolactam	50.0000	0.0000	11.7668	24		10-146

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	12.0594	24		3		0-30	0-115
Bis(2-chloroethyl)ether	50.0000	35.8447	72		2		0-30	35-110
2-Chlorophenol	50.0000	34.3716	69		2		0-30	35-105
2-Methylphenol	50.0000	29.0460	58		2		0-30	40-110
2,2´-oxybis(1-Chloropro	50.0000	31.0657	62		2		0-30	30-123
4-Methylphenol	50.0000	26.7220	53		2		0-30	30-110
N-Nitroso-di-n-propylam	50.0000	32.0516	64		4		0-30	35-130
Hexachloroethane	50.0000	33.3649	67		2		0-30	30-95
Nitrobenzene	50.0000	36.8848	74		0		0-30	45-110
Isophorone	50.0000	37.2470	74		1		0-30	50-110
2-Nitrophenol	50.0000	38.4702	77		4		0-30	40-115
2,4-Dimethylphenol	50.0000	31.6003	63		17		0-30	30-110
2,4-Dichlorophenol	50.0000	38.9948	78		1		0-30	50-105
Naphthalene	50.0000	35.6340	71		1		0-30	40-100
4-Chloroaniline	50.0000	37.2477	74		0		0-30	15-110
Bis(2-chloroethoxy)meth	50.0000	36.7574	74		2		0-30	45-105
Hexachlorobutadiene	50.0000	39.4482	79		2		0-30	25-105
4-Chloro-3-methylphenol	50.0000	37.8527	76		2		0-30	45-110
2-Methylnaphthalene	50.0000	37.5833	75		2		0-30	45-105
Hexachlorocyclopentadie	50.0000	45.9681	92		3		0-30	27-147
2,4,6-Trichlorophenol	50.0000	40.6720	81		0		0-30	50-115

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J

2,4,5-Trichlorophenol	50.0000	42.8872	86		2		0-30	50-110
2-Chloronaphthalene	50.0000	37.4027	75		0		0-30	50-105
2-Nitroaniline	50.0000	36.1575	72		0		0-30	50-115
Dimethylphthalate	50.0000	39.2174	78		0		0-30	25-125
Acenaphthylene	50.0000	36.6480	73		1		0-30	50-105
2,6-Dinitrotoluene	50.0000	39.6052	79		0		0-30	50-115
3-Nitroaniline	50.0000	38.4281	77		1		0-30	20-125
Acenaphthene	50.0000	37.6044	75		0		0-30	45-110
2,4-Dinitrophenol	50.0000	37.8059	76		32	*	0-30	15-140
4-Nitrophenol	50.0000	16.8698	34		2		0-30	0-125
Dibenzofuran	50.0000	37.9832	76		0		0-30	55-105
2,4-Dinitrotoluene	50.0000	40.9085	82		1		0-30	50-120
Diethylphthalate	50.0000	40.9592	82		1		0-30	40-120
4-Chlorophenyl-phenylet	50.0000	41.1657	82		1		0-30	50-110
Fluorene	50.0000	38.4211	77		0		0-30	50-110
4-Nitroaniline	50.0000	39.4694	79		1		0-30	35-120
4,6-Dinitro-2-methylphe	50.0000	47.9888	96		0		0-30	40-130
N-Nitrosodiphenylamine	50.0000	36.5159	73		1		0-30	50-110
4-Bromophenyl-phenyleth	50.0000	41.0193	82		2		0-30	50-115
Hexachlorobenzene	50.0000	40.0159	80		0		0-30	50-110
Pentachlorophenol	50.0000	51.5426	103		2		0-30	40-115
Phenanthrene	50.0000	38.1996	76		0		0-30	50-115
Anthracene	50.0000	37.8873	76		0		0-30	55-110
Carbazole	50.0000	38.3620	77		0		0-30	50-115
Di-n-butylphthalate	50.0000	43.1282	86		0		0-30	55-115
Fluoranthene	50.0000	40.7616	82		0		0-30	55-115
Pyrene	50.0000	37.8777	76		2		0-30	50-130
Butylbenzylphthalate	50.0000	42.9131	86		1		0-30	45-115
3,3´-Dichlorobenzidine	50.0000	37.5625	75		4		0-30	20-110
Benzo(a)anthracene	50.0000	39.7159	79		0		0-30	55-110
Chrysene	50.0000	38.1253	76		1		0-30	55-110
Bis(2-ethylhexyl)phthal	50.0000	132.1197	62		-950	*	0-30	40-125
Di-n-octylphthalate	50.0000	42.0333	84		1		0-30	35-135
Benzo(b)fluoranthene	50.0000	38.7982	78		2		0-30	45-120
Benzo(k)fluoranthene	50.0000	40.3096	81		0		0-30	45-125
Benzo(a)pyrene	50.0000	39.1829	78		2		0-30	55-110
Indeno(1,2,3-cd)pyrene	50.0000	34.5878	69		1		0-30	45-125
Dibenzo(a,h)anthracene	50.0000	41.6911	83		1		0-30	40-125
Benzo(g,h,i)perylene	50.0000	41.0096	82		1		0-30	40-125
1,1´-Biphenyl	50.0000	37.8464	76		2		0-30	55-108
1,2,4,5-Tetrachlorobenz	50.0000	52.4415	105		2		0-30	38-170
Acetophenone	50.0000	35.0669	70		3		0-30	56-145
Atrazine	50.0000	44.1063	88		6		0-30	52-175
Benzaldehyde	50.0000	39.5981	79		3		0-30	10-133
Caprolactam	50.0000	12.1838	24		3		0-30	10-146

Column to be used to flag recovery and RPD values with an asterisk

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Matrix Spike - EPA Sample No.: MW J

* Values outside of QC limits

RPD: 2 out of 66 outside limits

Spike Recovery: 1 out of 132 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Lab Sample ID: LCS-84136 LCS Lot No.: NT00364

Date Extracted: 03/28/2016 Date Analyzed (1): 03/31/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	13.1858	26		0 - 115
Bis(2-chloroethyl)ether	50.0000	0.0000	38.6616	77		35 - 110
2-Chlorophenol	50.0000	0.0000	37.2493	74		35 - 105
2-Methylphenol	50.0000	0.0000	31.3490	63		40 - 110
2,2´-oxybis(1-Chloropropan	50.0000	0.0000	33.5383	67		30 - 123
4-Methylphenol	50.0000	0.0000	28.2660	57		30 - 110
N-Nitroso-di-n-propylamine	50.0000	0.0000	34.9912	70		35 - 130
Hexachloroethane	50.0000	0.0000	36.2015	72		30 - 95
Nitrobenzene	50.0000	0.0000	40.2626	81		45 - 110
Isophorone	50.0000	0.0000	40.3278	81		50 - 110
2-Nitrophenol	50.0000	0.0000	42.0679	84		40 - 115
2,4-Dimethylphenol	50.0000	0.0000	35.8970	72		30 - 110
2,4-Dichlorophenol	50.0000	0.0000	42.6424	85		50 - 105
Naphthalene	50.0000	0.0000	38.9259	78		40 - 100
4-Chloroaniline	50.0000	0.0000	39.9240	80		15 - 110
Bis(2-chloroethoxy)methane	50.0000	0.0000	39.5919	79		45 - 105
Hexachlorobutadiene	50.0000	0.0000	43.1057	86		25 - 105
4-Chloro-3-methylphenol	50.0000	0.0000	41.2781	83		45 - 110
2-Methylnaphthalene	50.0000	0.0000	41.5908	83		45 - 105
Hexachlorocyclopentadiene	50.0000	0.0000	53.3332	107		27 - 147
2,4,6-Trichlorophenol	50.0000	0.0000	44.7839	90		50 - 115
2,4,5-Trichlorophenol	50.0000	0.0000	47.6475	95		50 - 110
2-Chloronaphthalene	50.0000	0.0000	40.8378	82		50 - 105
2-Nitroaniline	50.0000	0.0000	38.9940	78		50 - 115
Dimethylphthalate	50.0000	0.0000	43.5905	87		25 - 125
Acenaphthylene	50.0000	0.0000	40.1660	80		50 - 105
2,6-Dinitrotoluene	50.0000	0.0000	43.8409	88		50 - 115
3-Nitroaniline	50.0000	0.0000	41.6859	83		20 - 125
Acenaphthene	50.0000	0.0000	41.0479	82		45 - 110
2,4-Dinitrophenol	50.0000	0.0000	56.2189	112		15 - 140
4-Nitrophenol	50.0000	0.0000	19.4248	39		0 - 125
Dibenzofuran	50.0000	0.0000	41.8841	84		55 - 105
2,4-Dinitrotoluene	50.0000	0.0000	45.2176	90		50 - 120
Diethylphthalate	50.0000	0.0000	44.9720	90		40 - 120
4-Chlorophenyl-phenylether	50.0000	0.0000	45.0436	90		50 - 110
Fluorene	50.0000	0.0000	42.5837	85		50 - 110
4-Nitroaniline	50.0000	0.0000	43.7211	87		35 - 120
4,6-Dinitro-2-methylphenol	50.0000	0.0000	53.1359	106		40 - 130
N-Nitrosodiphenylamine	50.0000	0.0000	42.2437	84		50 - 110
4-Bromophenyl-phenylether	50.0000	0.0000	45.9317	92		50 - 115
Hexachlorobenzene	50.0000	0.0000	44.2503	89		50 - 110
Pentachlorophenol	50.0000	0.0000	57.5311	115	*	40 - 115
Phenanthrene	50.0000	0.0000	41.7718	84		50 - 115
Anthracene	50.0000	0.0000	41.6501	83		55 - 110

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Lab Sample ID: LCS-84136 LCS Lot No.: NT00364

Date Extracted: 03/28/2016 Date Analyzed (1): 03/31/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Carbazole	50.0000	0.0000	41.8480	84		50 - 115
Di-n-butylphthalate	50.0000	0.0000	47.6352	95		55 - 115
Fluoranthene	50.0000	0.0000	44.4676	89		55 - 115
Pyrene	50.0000	0.0000	42.1061	84		50 - 130
Butylbenzylphthalate	50.0000	0.0000	48.1837	96		45 - 115
3,3´-Dichlorobenzidine	50.0000	0.0000	46.5759	93		20 - 110
Benzo(a)anthracene	50.0000	0.0000	44.4148	89		55 - 110
Chrysene	50.0000	0.0000	42.0238	84		55 - 110
Bis(2-ethylhexyl)phthalate	50.0000	0.0000	47.2674	95		40 - 125
Di-n-octylphthalate	50.0000	0.0000	48.3428	97		35 - 135
Benzo(b)fluoranthene	50.0000	0.0000	48.6948	97		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	45.1334	90		45 - 125
Benzo(a)pyrene	50.0000	0.0000	44.5485	89		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	40.9134	82		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	46.1075	92		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	45.1769	90		40 - 125
1,1´-Biphenyl	50.0000	0.0000	41.7328	83		55 - 108
1,2,4,5-Tetrachlorobenzene	50.0000	0.0000	56.9394	114		38 - 170
Acetophenone	50.0000	0.0000	38.9062	78		56 - 145
Atrazine	50.0000	0.0000	45.8411	92		52 - 175
Benzaldehyde	50.0000	0.0000	43.3951	87		10 - 133
Caprolactam	50.0000	0.0000	12.7672	26		10 - 146

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 66 outside limits

COMMENTS:

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
MB-84136

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

Lab File ID: S6C4437.D Lab Sample ID: MB-84136

Instrument ID: S6 Date Extracted: 03/28/2016

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 03/31/2016

Level: (LOW/MED) LOW Time Analyzed: 13:01

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-84136	LCS-84136	S6C4438.D	03/31/2016
02	MW M	R0225-01B	S6C4443.D	03/31/2016
03	MW JMS	R0225-02BMS	S6C4445.D	03/31/2016
04	MW JMSD	R0225-02BMSD	S6C4446.D	03/31/2016
05	MW B	R0225-03B	S6C4447.D	03/31/2016
06	MW C	R0225-04B	S6C4448.D	03/31/2016
07	MW D	R0225-05B	S6C4449.D	03/31/2016
08	MW K	R0225-06B	S6C4450.D	03/31/2016
09	MW N	R0225-07B	S6C4451.D	03/31/2016
10	MW F	R0225-08B	S6C4452.D	03/31/2016
11	MW H	R0225-09B	S6C4453.D	03/31/2016
12	MW E	R0225-10B	S6C4454.D	03/31/2016
13	MW G	R0225-11B	S6C4455.D	03/31/2016
14	MW I	R0225-12B	S6C4456.D	03/31/2016
15	MW L	R0225-13B	S6C4457.D	03/31/2016
16	FB	R0225-15B	S6C4458.D	03/31/2016
17	MW J	R0225-02B	S6C4461.D	04/01/2016

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 03/03/2016 03/03/2016

EPA Sample No.(SSTD020##) SSTD0256B Date Analyzed: 03/31/2016

Lab File ID (Standard): S6C4436.D Time Analyzed: 11:51

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	633175		4.731		2403781		6.252		1467063		8.368	
	UPPER LIMIT	1266350		5.231		4807562		6.752		2934126		8.868	
	LOWER LIMIT	316588		4.231		1201891		5.752		733532		7.868	
	SAMPLE NO.												
01	MB-84136	373339		4.725		1467139		6.241		860223		8.362	
02	LCS-84136	474700		4.731		1811134		6.246		1064147		8.368	
03	MW M	436762		4.731		1706280		6.247		983805		8.362	
04	MW JMS	457825		4.731		1764533		6.247		1031675		8.368	
05	MW JMSD	456766		4.730		1747421		6.252		1028867		8.367	
06	MW B	462744		4.731		1786179		6.247		1015658		8.368	
07	MW C	475584		4.731		1826988		6.246		1049693		8.362	
08	MW D	378541		4.731		1488272		6.247		850094		8.362	
09	MW K	478957		4.731		1852507		6.246		1066393		8.362	
10	MW N	337676		4.731		1344581		6.246		769205		8.362	
11	MW F	433968		4.731		1682159		6.246		973128		8.362	
12	MW H	417487		4.731		1592380		6.252		970890		8.373	
13	MW E	465764		4.731		1801837		6.247		1030736		8.362	
14	MW G	474959		4.731		1819447		6.246		1042894		8.367	
15	MW I	472495		4.731		1830489		6.246		1030945		8.368	

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.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 03/03/2016 03/03/2016

EPA Sample No.(SSTD020##) SSTD0256B Date Analyzed: 03/31/2016

Lab File ID (Standard): S6C4436.D Time Analyzed: 11:51

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	633175		4.731		2403781		6.252		1467063		8.368	
	UPPER LIMIT	1266350		5.231		4807562		6.752		2934126		8.868	
	LOWER LIMIT	316588		4.231		1201891		5.752		733532		7.868	
	SAMPLE NO.												
16	MW L	394807		4.731		1557491		6.246		907086		8.362	
17	FB	371676		4.731		1463937		6.247		856796		8.362	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

EPA Sample No.(SSTD020##) SSTD0256B Date Analyzed: 03/31/2016

Lab File ID (Standard): S6C4436.D Time Analyzed: 11:51

Instrument ID: S6 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2781022		10.16		2998836		13.362		2992679		14.995	
	UPPER LIMIT	5562044		10.66		5997672		13.862		5985358		15.495	
	LOWER LIMIT	1390511		9.66		1499418		12.862		1496340		14.495	
	SAMPLE NO.												
01	MB-84136	1639637		10.160		1859208		13.362		1857446		15.001	
02	LCS-84136	2046220		10.165		2278599		13.374		2241702		15.013	
03	MW M	1916532		10.154		2179042		13.356		2230523		14.989	
04	MW JMS	1980763		10.160		2235180		13.362		2228850		14.995	
05	MW JMSD	1988964		10.159		2261569		13.362		2286897		14.995	
06	MW B	1973705		10.160		2307529		13.362		2350050		14.995	
07	MW C	2033321		10.154		2288540		13.356		2303783		14.989	
08	MW D	1634212		10.154		1833064		13.356		1841188		14.989	
09	MW K	2056377		10.154		2309687		13.356		2360677		14.995	
10	MW N	1502717		10.154		1745039		13.356		1769012		14.989	
11	MW F	1860075		10.154		2104602		13.356		2135559		14.989	
12	MW H	1723605		10.171		1910314		13.368		1832156		15.001	
13	MW E	1995312		10.154		2253521		13.356		2250252		14.995	
14	MW G	1996770		10.160		2331682		13.356		2346820		14.995	
15	MW I	1987044		10.160		2288275		13.356		2290562		14.995	

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

EPA Sample No.(SSTD020##) SSTD0256B Date Analyzed: 03/31/2016

Lab File ID (Standard): S6C4436.D Time Analyzed: 11:51

Instrument ID: S6 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2781022		10.16		2998836		13.362		2992679		14.995	
	UPPER LIMIT	5562044		10.66		5997672		13.862		5985358		15.495	
	LOWER LIMIT	1390511		9.66		1499418		12.862		1496340		14.495	
	SAMPLE NO.												
16	MW L	1806330		10.154		2085215		13.356		2112419		14.989	
17	FB	1718924		10.154		2015175		13.356		2059879		14.989	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 03/03/2016 03/03/2016

EPA Sample No.(SSTD020##) SSTD0256C Date Analyzed: 04/01/2016

Lab File ID (Standard): S6C4460.D Time Analyzed: 11:27

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	206486		4.707		824151		6.229		541886		8.344	
	UPPER LIMIT	412972		5.207		1648302		6.729		1083772		8.844	
	LOWER LIMIT	103243		4.207		412076		5.729		270943		7.844	
	SAMPLE NO.												
01	MW J	164471		4.707		690634		6.223		406949		8.344	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0225 Mod. Ref No.: SDG No.: SR0225

EPA Sample No.(SSTD020##) SSTD0256C Date Analyzed: 04/01/2016

Lab File ID (Standard): S6C4460.D Time Analyzed: 11:27

Instrument ID: S6 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1151126		10.136		1444615		13.332		1520499		14.96	
	UPPER LIMIT	2302252		10.636		2889230		13.832		3040998		15.46	
	LOWER LIMIT	575563		9.636		722308		12.832		760250		14.46	
	SAMPLE NO.												
01	MW J	833499		10.130		1139122		13.326		1236975		14.960	

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

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0225

SW846 6010C, SW846 7470A

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 codes: SW846 6010C, SW846 7470A

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW7470A

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA4
Instrument Type: ICP
Description: Optima 8300
Manufacturer: Perkin-Elmer
Model: 8300

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 spikes were performed on sample: MW J (R0225-02CMS).

Percent recoveries were within the QC limits.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

Duplicate analyses were performed on sample: MW J (R0225-02CDUP).

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

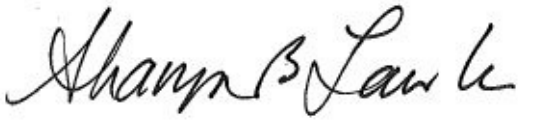
Serial Dilution analyses were performed on sample: MW J (R0225-02CSD).

Percent differences were within the QC limits.

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 Eurofins Spectrum Analytical, Inc. 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: 04/06/2016

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET FB

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-15

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	0.73	U		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	52.0	U		P
7440-47-3	Chromium	0.25	U		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	47.0	U		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	5.2	U		P
7439-96-5	Manganese	0.61	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.2	U		P
7440-09-7	Potassium	102	B		P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	195	B		P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	10.2	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW B

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-03

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	684			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	358000			P
7440-47-3	Chromium	0.98	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	2090			P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	25900			P
7439-96-5	Manganese	2090			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	7960			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	435000			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	36.6	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW C

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-04

Level (low/med): MED Date Received: 03/28/2016

% 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	18.1	B		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	4.0	B		P
7440-39-3	Barium	164	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	92100			P
7440-47-3	Chromium	0.85	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	63.5	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	14600			P
7439-96-5	Manganese	2.2	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	3460			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	94300			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	11.5	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW D

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-05

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	231			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	141000			P
7440-47-3	Chromium	0.46	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	84.1	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	22100			P
7439-96-5	Manganese	501			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.9	B		P
7440-09-7	Potassium	5100			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	117000			P
7440-28-0	Thallium	2.8	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	11.6	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW E

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-10

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.2	B		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	232			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	142000			P
7440-47-3	Chromium	1.6	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	161	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	24600			P
7439-96-5	Manganese	5.6	B		P
7439-97-6	Mercury	0.031	B		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4260			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	132000			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	9.8	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW F

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-08

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	17.6	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	450000			P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	3.8	B		P
7439-89-6	Iron	120	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	19700			P
7439-96-5	Manganese	12.6	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	3840			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	95400			P
7440-28-0	Thallium	7.3	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	892			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW G

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-11

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	5.5	B		P
7440-39-3	Barium	659			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	249000			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	283			P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	25700			P
7439-96-5	Manganese	692			P
7439-97-6	Mercury	0.040	B		CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	7910			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	160000			P
7440-28-0	Thallium	3.9	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	6.2	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW H

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-09

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	97.0	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	698000			P
7440-47-3	Chromium	2.6	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	10.3	B		P
7439-89-6	Iron	18000			P
7439-92-1	Lead	6.3	B		P
7439-95-4	Magnesium	63400			P
7439-96-5	Manganese	5810			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	5.9	B		P
7440-09-7	Potassium	17200			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	493000			P
7440-28-0	Thallium	7.6	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	9.9	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW I

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-12

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	4.6	B		P
7440-39-3	Barium	85.5	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	265000			P
7440-47-3	Chromium	0.38	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	691			P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	27600			P
7439-96-5	Manganese	1080			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	6010			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	204000			P
7440-28-0	Thallium	4.9	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	14.3	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW J

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-02

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	208			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	139000			P
7440-47-3	Chromium	0.58	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	47.0	U		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	22800			P
7439-96-5	Manganese	0.61	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4100			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	131000			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	9.1	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW K

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-06

Level (low/med): MED Date Received: 03/28/2016

% 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	18.3	B		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	8.1	B		P
7440-39-3	Barium	520			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	134000			P
7440-47-3	Chromium	0.25	U		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	157	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	19000			P
7439-96-5	Manganese	1210			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	3540			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	112000			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	10.6	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW L

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-13

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	197	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	0.93	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	47.0	U		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	23200			P
7439-96-5	Manganese	5.9	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	4170			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	122000			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	8.7	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW M

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-01

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	8.5	B		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	242			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	251000			P
7440-47-3	Chromium	0.95	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	1250			P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	22200			P
7439-96-5	Manganese	1700			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	12700			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	349000			P
7440-28-0	Thallium	3.4	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	26.7	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET MW N

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Matrix (soil/water): WATER Lab Sample ID: R0225-07

Level (low/med): MED Date Received: 03/28/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	190	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	138000			P
7440-47-3	Chromium	73.0			P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	87.5	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	20700			P
7439-96-5	Manganese	205			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	5180			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	149000			P
7440-28-0	Thallium	3.6	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	8.9	B		P

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-84143

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	10000.0	10470.21	104.7						
Antimony	500.0	562.44	112.5						
Arsenic	500.0	539.44	107.9						
Barium	10000.0	10674.28	106.7						
Beryllium	250.0	269.50	107.8						
Cadmium	250.0	270.50	108.2						
Calcium	25000.0	27139.78	108.6						
Chromium	1000.0	1061.93	106.2						
Cobalt	2500.0	2620.27	104.8						
Copper	1250.0	1371.04	109.7						
Iron	5000.0	5379.13	107.6						
Lead	500.0	532.48	106.5						
Magnesium	25000.0	27582.03	110.3						
Manganese	2500.0	2680.60	107.2						
Nickel	2500.0	2669.21	106.8						
Potassium	25000.0	26487.86	106.0						
Selenium	500.0	530.50	106.1						
Silver	1250.0	1385.80	110.9						
Sodium	25000.0	26790.27	107.2						
Thallium	500.0	533.63	106.7						
Vanadium	2500.0	2715.50	108.6						
Zinc	2500.0	2684.87	107.4						

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LABORATORY CONTROL SAMPLE

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-84146

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.86	105.7						

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW JS

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

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	10200		11.0	U	10000	102		P
Antimony	75-125	569		5.1	U	500	114		P
Arsenic	75-125	550		3.9	U	500	110		P
Barium	75-125	10900		208		10000	107		P
Beryllium	75-125	269		0.054	U	250	108		P
Cadmium	75-125	258		0.53	U	250	103		P
Calcium		164000		139000		25000	97		P
Chromium	75-125	1040		0.58	B	1000	104		P
Cobalt	75-125	2510		0.36	U	2500	100		P
Copper	75-125	1350		1.2	B	1250	108		P
Iron	75-125	5180		47.0	U	5000	104		P
Lead	75-125	511		4.5	U	500	102		P
Magnesium	75-125	49700		22800		25000	108		P
Manganese	75-125	2690		0.61	U	2500	107		P
Nickel	75-125	2560		1.5	B	2500	102		P
Potassium	75-125	30700		4100		25000	106		P
Selenium	75-125	529		7.8	U	500	106		P
Silver	75-125	1360		2.7	U	1250	109		P
Sodium		158000		131000		25000	108		P
Thallium	75-125	505		2.4	U	500	101		P
Vanadium	75-125	2680		0.16	U	2500	107		P
Zinc	75-125	2570		9.1	B	2500	102		P
Mercury	75-125	4.7		0.028	U	4.6	104		CV

Comments:

6

DUPLICATES

EPA SAMPLE NO.

MW JD

Lab Name: Eurofins Spectrum Analytical, Inc. Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

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		11.0000	U	11.0000	U			P
Antimony		5.1000	U	5.1000	U			P
Arsenic		3.9000	U	3.9000	U			P
Barium	200.0	208.3209		218.6238		4.8		P
Beryllium		0.0540	U	0.0540	U			P
Cadmium		0.5300	U	0.5300	U			P
Calcium		139486.5993		145595.4628		4.3		P
Chromium		0.5755	B	0.8461	B	38.1		P
Cobalt		0.3600	U	0.3600	U			P
Copper		1.2335	B	1.2000	U	200		P
Iron		47.0000	U	47.0000	U			P
Lead		4.5000	U	4.5000	U			P
Magnesium		22782.2040		23962.0812		5		P
Manganese		0.6100	U	0.6100	U			P
Nickel		1.5168	B	1.2000	U	200		P
Potassium	1000.0	4095.6848		4296.0711		4.8		P
Selenium		7.8000	U	7.8000	U			P
Silver		2.7000	U	2.7000	U			P
Sodium		130718.6390		137477.2118		5		P
Thallium		2.4000	U	2.4000	U			P
Vanadium		0.1600	U	0.1600	U			P
Zinc		9.1195	B	9.8236	B	7.4		P
Mercury		0.0280	U	0.0280	U			CV

BLANKS

Lab Name: Eurofins Spectrum Analytical, Inc Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-84146**

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

FIMS2_160329A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 03/29/16 16:18	C	03/29/16 16:39	C		C	Preparation Blank	C	M
Mercury	0.028	U	0.028	U	0.028	B			0.028	U	CV

Lab Name: Eurofins Spectrum Analytical, Inc Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-84143**

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

OPTIMA4_160330B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 03/30/16 15:00	C	03/30/16 15:33	C	03/30/16 16:10	C	Preparation Blank	C	M
Aluminum	11.0	U	11.0	U	11.0	U	11.0	U	11.000	U	P
Antimony	5.1	U	5.1	U	5.1	U	5.1	U	5.100	U	P
Arsenic	3.9	U	3.9	U	3.9	U	3.9	U	3.900	U	P
Barium	0.7	U	0.7	U	0.7	U	0.7	U	0.730	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.054	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.530	U	P
Calcium	52.0	U	52.0	U	52.0	U	52.0	U	52.000	U	P
Chromium	-0.3	B	0.3	U	0.3	U	0.3	U	0.250	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.360	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	47.0	U	47.0	U	47.0	U	47.0	U	47.000	U	P
Lead	4.5	U	4.5	U	4.5	U	4.5	U	4.500	U	P
Magnesium	5.2	U	5.2	U	5.2	U	5.2	U	5.200	U	P
Manganese	0.6	U	0.6	U	0.6	U	0.6	U	0.610	U	P
Nickel	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Potassium	92.0	U	92.0	U	92.0	U	144.1	B	92.000	U	P
Selenium	7.8	U	7.8	U	7.8	U	7.8	U	7.800	U	P
Silver	2.7	U	-5.3	B	-5.7	B	-5.3	B	2.700	U	P
Sodium	15.0	U	15.0	U	47.3	B	154.4	B	15.000	U	P
Thallium	2.4	U	2.4	U	2.4	U	2.4	U	2.400	U	P
Vanadium	-0.2	B	-0.2	B	-0.2	B	0.2	U	0.160	U	P
Zinc	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P

U.S. EPA - CLP

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BLANKS

Lab Name: Eurofins Spectrum Analytical, Inc Contract:

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0225

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA4_160330B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	03/30/16 16:40	C		C		C		C	M
Aluminum			11.0	U							P
Antimony			5.1	U							P
Arsenic			3.9	U							P
Barium			0.7	U							P
Beryllium			0.1	U							P
Cadmium			0.5	U							P
Calcium			52.0	U							P
Chromium			-0.4	B							P
Cobalt			0.4	U							P
Copper			1.2	U							P
Iron			47.0	U							P
Lead			4.5	U							P
Magnesium			5.2	U							P
Manganese			0.6	U							P
Nickel			1.2	U							P
Potassium			92.0	U							P
Selenium			7.8	U							P
Silver			-5.6	B							P
Sodium			71.4	B							P
Thallium			2.4	U							P
Vanadium			0.2	U							P
Zinc			3.2	U							P

eurofins | Spectrum Analytical

☑ Final Report
☐ Re-Issued Report
☐ Revised Report
Report Date:
19-Jul-16 09:33

Laboratory Report

Day Environmental, Inc
1563 Lyell Avenue
Rochester, NY 14606

Work Order: R0615
Project : 211 Franklin Street
Project #: 4884S-13

Attn: Ray Kampff

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
R0615-01	MW B	Aqueous	29-Jun-16 11:50	06-Jul-16 10:55
R0615-02	MW C	Aqueous	29-Jun-16 15:30	06-Jul-16 10:55
R0615-03	MW D	Aqueous	29-Jun-16 14:35	06-Jul-16 10:55
R0615-04	MW E	Aqueous	29-Jun-16 16:50	06-Jul-16 10:55
R0615-05	MW F	Aqueous	29-Jun-16 12:15	06-Jul-16 10:55
R0615-06	MW G	Aqueous	29-Jun-16 15:25	06-Jul-16 10:55
R0615-07	MW H	Aqueous	29-Jun-16 17:12	06-Jul-16 10:55
R0615-08	MW I	Aqueous	29-Jun-16 17:45	06-Jul-16 10:55
R0615-09	MW J	Aqueous	29-Jun-16 13:35	06-Jul-16 10:55
R0615-10	MW K	Aqueous	29-Jun-16 10:10	06-Jul-16 10:55
R0615-11	MW L	Aqueous	29-Jun-16 18:35	06-Jul-16 10:55
R0615-12	MW M	Aqueous	29-Jun-16 09:25	06-Jul-16 10:55
R0615-13	MW N	Aqueous	29-Jun-16 13:50	06-Jul-16 10:55
R0615-14	FB	Aqueous	30-Jun-16 10:30	06-Jul-16 10:55
R0615-15	TB	Aqueous	29-Jun-16 00:00	06-Jul-16 10:55

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 Eurofins Spectrum Analytical, Inc.

All applicable NELAC or USEPA CLP requirements have been met.

Use of the NELAP logo does not insure that Eurofins Spectrum Analytical is currently accredited for the specific test method or analyte. Please refer to our Quality page of our web site at www.spectrum-analytical.com for the current list of certifications and fields of accreditation.

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

Certification List:

Connecticut	PH-0153
Florida	E87664
Massachusetts	M-RI907
New Hampshire	2060
New Jersey	RI001
New York	11522
Rhode Island	LAI00349
USDA	P330-16-00031
USEPA - ISM	EP-W-14-032
USEPA - SOM	EP-W-14-032
Dod ELAP	L2247

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Dawn E Wojcik

Dawn Wojcik
Laboratory Director

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0615

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW B	R0615-01	SW8260_W	SW8270_W		SW6010_W	
MW B	R0615-01				SW7470	
MW C	R0615-02	SW8260_W	SW8270_W		SW6010_W	
MW C	R0615-02				SW7470	
MW D	R0615-03	SW8260_W	SW8270_W		SW6010_W	
MW D	R0615-03				SW7470	
MW E	R0615-04	SW8260_W	SW8270_W		SW6010_W	
MW E	R0615-04				SW7470	
MW F	R0615-05	SW8260_W	SW8270_W		SW6010_W	
MW F	R0615-05				SW7470	
MW G	R0615-06	SW8260_W	SW8270_W		SW6010_W	
MW G	R0615-06				SW7470	
MW H	R0615-07	SW8260_W	SW8270_W		SW6010_W	
MW H	R0615-07				SW7470	
MW I	R0615-08	SW8260_W	SW8270_W		SW6010_W	
MW I	R0615-08				SW7470	
MW J	R0615-09	SW8260_W	SW8270_W		SW6010_W	
MW J	R0615-09				SW7470	
MW K	R0615-10	SW8260_W	SW8270_W		SW6010_W	
MW K	R0615-10				SW7470	
MW L	R0615-11	SW8260_W	SW8270_W		SW6010_W	
MW L	R0615-11				SW7470	
MW M	R0615-12	SW8260_W	SW8270_W		SW6010_W	
MW M	R0615-12				SW7470	
MW N	R0615-13	SW8260_W	SW8270_W		SW6010_W	
MW N	R0615-13				SW7470	
FB	R0615-14	SW8260_W	SW8270_W		SW6010_W	
FB	R0615-14				SW7470	
TB	R0615-15	SW8260_W				

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0615

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
R0615-01A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-02A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-03A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-04A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-05A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-06A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-07A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-08A	AQ	6/29/2016	7/6/2016	NA	7/8/2016
R0615-09A	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-10A	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-10AMS	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-10AMSD	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-11A	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-12A	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-13A	AQ	6/29/2016	7/6/2016	NA	7/11/2016
R0615-14A	AQ	6/30/2016	7/6/2016	NA	7/11/2016
R0615-15A	AQ	6/29/2016	7/6/2016	NA	7/11/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0615

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
R0615-01B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-02B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-03B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-04B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-05B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-06B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-07B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-08B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-09B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-10B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-10BMS	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-10BMSD	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-11B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-12B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-13B	AQ	6/29/2016	7/6/2016	7/6/2016	7/7/2016
R0615-14B	AQ	6/30/2016	7/6/2016	7/6/2016	7/7/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0615

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
R0615-01A	AQ	SW8260_W	NA	LOW	1
R0615-02A	AQ	SW8260_W	NA	LOW	1
R0615-03A	AQ	SW8260_W	NA	LOW	1
R0615-04A	AQ	SW8260_W	NA	LOW	1
R0615-05A	AQ	SW8260_W	NA	LOW	1
R0615-06A	AQ	SW8260_W	NA	LOW	1
R0615-07A	AQ	SW8260_W	NA	LOW	1
R0615-08A	AQ	SW8260_W	NA	LOW	1
R0615-09A	AQ	SW8260_W	NA	LOW	1
R0615-10A	AQ	SW8260_W	NA	LOW	1
R0615-10AMS	AQ	SW8260_W	NA	LOW	1
R0615-10AMSD	AQ	SW8260_W	NA	LOW	1
R0615-11A	AQ	SW8260_W	NA	LOW	1
R0615-12A	AQ	SW8260_W	NA	LOW	1
R0615-13A	AQ	SW8260_W	NA	LOW	1
R0615-14A	AQ	SW8260_W	NA	LOW	1
R0615-15A	AQ	SW8260_W	NA	LOW	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0615

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
R0615-01B	AQ	SW8270_W	3510C	NA	1
R0615-02B	AQ	SW8270_W	3510C	NA	1
R0615-03B	AQ	SW8270_W	3510C	NA	1
R0615-04B	AQ	SW8270_W	3510C	NA	1
R0615-05B	AQ	SW8270_W	3510C	NA	1
R0615-06B	AQ	SW8270_W	3510C	NA	1
R0615-07B	AQ	SW8270_W	3510C	NA	1
R0615-08B	AQ	SW8270_W	3510C	NA	1
R0615-09B	AQ	SW8270_W	3510C	NA	1
R0615-10B	AQ	SW8270_W	3510C	NA	1
R0615-10BMS	AQ	SW8270_W	3510C	NA	1
R0615-10BMSD	AQ	SW8270_W	3510C	NA	1
R0615-11B	AQ	SW8270_W	3510C	NA	1
R0615-12B	AQ	SW8270_W	3510C	NA	1
R0615-13B	AQ	SW8270_W	3510C	NA	1
R0615-14B	AQ	SW8270_W	3510C	NA	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 4884S-13 **SDG :** R0615

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
R0615-01C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-02C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-03C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-04C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-05C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-06C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-07C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-08C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-09C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-10C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-10CDUP	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-10CMS	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-11C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-12C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-13C	AQ	SW6010_W	7/6/2016	7/8/2016
R0615-14C	AQ	SW6010_W	7/6/2016	7/8/2016
SW7470				
R0615-01C	AQ	SW7470	7/6/2016	7/11/2016
R0615-02C	AQ	SW7470	7/6/2016	7/11/2016
R0615-03C	AQ	SW7470	7/6/2016	7/11/2016
R0615-04C	AQ	SW7470	7/6/2016	7/11/2016
R0615-05C	AQ	SW7470	7/6/2016	7/11/2016
R0615-06C	AQ	SW7470	7/6/2016	7/11/2016
R0615-07C	AQ	SW7470	7/6/2016	7/11/2016
R0615-08C	AQ	SW7470	7/6/2016	7/11/2016
R0615-09C	AQ	SW7470	7/6/2016	7/11/2016
R0615-10C	AQ	SW7470	7/6/2016	7/11/2016
R0615-10CDUP	AQ	SW7470	7/6/2016	7/11/2016
R0615-10CMS	AQ	SW7470	7/6/2016	7/11/2016
R0615-11C	AQ	SW7470	7/6/2016	7/11/2016
R0615-12C	AQ	SW7470	7/6/2016	7/11/2016
R0615-13C	AQ	SW7470	7/6/2016	7/11/2016
R0615-14C	AQ	SW7470	7/6/2016	7/11/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0615

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 4884S-13
Comments: N/A

Case:
SDG:
PO: --

HC Due: 07/18/2016
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0615-01A	MW B	06/29/2016 11:50	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-01B	MW B	06/29/2016 11:50	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-01C	MW B	06/29/2016 11:50	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-01C	MW B	06/29/2016 11:50	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-02A	MW C	06/29/2016 15:30	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-02B	MW C	06/29/2016 15:30	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-02C	MW C	06/29/2016 15:30	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-02C	MW C	06/29/2016 15:30	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-03A	MW D	06/29/2016 14:35	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-03B	MW D	06/29/2016 14:35	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-03C	MW D	06/29/2016 14:35	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-03C	MW D	06/29/2016 14:35	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-04A	MW E	06/29/2016 16:50	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-04B	MW E	06/29/2016 16:50	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-04C	MW E	06/29/2016 16:50	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-04C	MW E	06/29/2016 16:50	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-05A	MW F	06/29/2016 12:15	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-05B	MW F	06/29/2016 12:15	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-05C	MW F	06/29/2016 12:15	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5

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

HT = Test logged in but has been placed on hold

07/14/2016 10:36 Lab Client Rep: Agnes R Huntley

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0615

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 4884S-13
Comments: N/A

Case:
SDG:
PO: --

HC Due: 07/18/2016
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0615-05C	MW F	06/29/2016 12:15	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-06A	MW G	06/29/2016 15:25	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-06B	MW G	06/29/2016 15:25	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-06C	MW G	06/29/2016 15:25	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-06C	MW G	06/29/2016 15:25	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-07A	MW H	06/29/2016 17:12	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-07B	MW H	06/29/2016 17:12	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-07C	MW H	06/29/2016 17:12	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-07C	MW H	06/29/2016 17:12	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-08A	MW I	06/29/2016 17:45	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-08B	MW I	06/29/2016 17:45	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-08C	MW I	06/29/2016 17:45	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-08C	MW I	06/29/2016 17:45	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-09A	MW J	06/29/2016 13:35	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-09B	MW J	06/29/2016 13:35	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-09C	MW J	06/29/2016 13:35	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-09C	MW J	06/29/2016 13:35	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-10A	MW K	06/29/2016 10:10	07/06/2016	Aqueous	SW8260_W	/ +TICs			Y	Y	VOA
R0615-10B	MW K	06/29/2016 10:10	07/06/2016	Aqueous	SW8270_W	/ +TICs			Y	Y	T4

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

HT = Test logged in but has been placed on hold

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0615

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 4884S-13
Comments: N/A

Case:
SDG:
PO: --

HC Due: 07/18/2016
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0615-10C	MW K	06/29/2016 10:10	07/06/2016	Aqueous	SW6010_W	/ TAL			Y	Y	M5
R0615-10C	MW K	06/29/2016 10:10	07/06/2016	Aqueous	SW7470	/ TAL			Y		M5
R0615-11A	MW L	06/29/2016 18:35	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-11B	MW L	06/29/2016 18:35	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-11C	MW L	06/29/2016 18:35	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-11C	MW L	06/29/2016 18:35	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-12A	MW M	06/29/2016 09:25	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-12B	MW M	06/29/2016 09:25	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-12C	MW M	06/29/2016 09:25	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-12C	MW M	06/29/2016 09:25	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-13A	MW N	06/29/2016 13:50	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-13B	MW N	06/29/2016 13:50	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-13C	MW N	06/29/2016 13:50	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-13C	MW N	06/29/2016 13:50	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-14A	FB	06/30/2016 10:30	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA
R0615-14B	FB	06/30/2016 10:30	07/06/2016	Aqueous	SW8270_W	/ +TICs				Y	T4
R0615-14C	FB	06/30/2016 10:30	07/06/2016	Aqueous	SW6010_W	/ TAL				Y	M5
R0615-14C	FB	06/30/2016 10:30	07/06/2016	Aqueous	SW7470	/ TAL					M5
R0615-15A	TB	06/29/2016 00:00	07/06/2016	Aqueous	SW8260_W	/ +TICs				Y	VOA

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

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

Sample Transmittal Documentation

R0615

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☒ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY ENVIRONMENTAL
1563 LYELL AVE
ROCHESTER NY 14606

Telephone #: 585-454-0210
Project Mgr: RAY KAMPFF

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 4884 S-13
Site Name: 211 FRANKLIN ST.
Location: OLEAN State: NY
Sampler(s): TOM ROSZAK
CHARLES HAMPTON

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

R0615 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs + TICs	TCL SVOCs + TICs	TAL Metals	Check if chlorinated
01	MW B	6/29/16	1150	G	GW	3	1		1	X	X	X	☐
02	MW C		1530										☐
03	MW D		1435										☐
04	MW E		1650										☐
05	MW F		1215										☐
06	MW G		1525										☐
07	MW H		1712										☐
08	MW I		1745										☐
09	MW J		1335										☐
10	MW K + MS + MSD		1010			9	3		3				☐

List Preservative Code below: 2 | | 4 | | | | | |

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7/1/16	1330
[signature]	[signature] (SUB)	7/5/16	1345
[signature] 8110 Dec 7-6-16	[signature]	7/6/16	10.55 am

Temp °C: Observed 3.7; Correction Factor 0; Corrected 3.2; IR ID # 02

☒ EDD format: NYSDEC EQUIS
☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Page 5 of 20

0210 10.2 IR 3 7/6/16

cooler #1 (5.5°c) IR

Rev. Sep 2015

cooler #2 (5.0°c) IR

R0615

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CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: ______

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY ENVIRONMENTAL
1563 LYELL AVE
ROCHESTER NY 14606

Telephone #:
Project Mgr: RAY KAMPFF

Invoice To: SAME

P.O No.: Quote #:

Project No: 48845-13
Site Name: 211 FRANKLIN ST
Location: OLEAN State: NY
Sampler(s): TOM ROSZAK
CHARLES HAMPTON

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

R0615 G= Grab C=Compsite

List Preservative Code below: 2 (TCL VOCs + TICs), 4 (TAL Metals)

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOCs + TICs	TCL SVOCs + TICs	TAL Metals					Check if chlorinated
11	MW L	6/29/16	1835	G	GW	3	1		1	X	X	X					☐
12	MW M		0925			↓	↓		↓	↓	↓	↓					☐
13	MW N		1350			↓	↓		↓	↓	↓	↓					☐
14	FB	6/30/16	1030			↓	↓		↓	↓	↓	↓					☐
15	TB	6/29-7/1/16				4	[illegible]			X							☐
																	☐
																	☐
																	☐
																	☐
																	☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Tom Roszak	[illegible signature]	7/1/16	1330	Observed 3.2
[illegible signature]	[illegible signature] (SUB)	7/5/16	1345	Correction Factor 0
[illegible signature] 8:10 7/6/16	[illegible signature]	7/6/16	10:55 am	Corrected 3.2
				IR ID # 07

☒ EDD format: NYS DEC EQUIS
☐ E-mail to:

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

0.2 10 0.2 3 CAS 7/1/16 (5.5°C) IR #1 (5.0°C) IR #2

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum Rev. Sep 2015

Received By: SB	Page 01 of 00
Reviewed By: KP	Log-in Date 07/06/2016
Work Order: R0615	Client Name: Day Environmental, Inc
Project Name/Event: 211 Franklin Street	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent (Absent circled)
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent (Present circled)
4. Airbill — AirBill / Sticker
   Present / Absent (Absent circled)
5. Airbill No. — Courier N/A
6. Sample Tags — Present / Absent (Absent circled)
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody (Not Listed on Chain-of-Custody circled)
7. Sample Condition — Intact / Broken/ Leaking (Intact circled)
8. Cooler Temperature Indicator Bottle — Present / Absent (Absent circled)

9. Cooler Temperature	5.5 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No (No circled)
11. Date Received at Laboratory	07/06/2016
12. Time Received	10:55

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
R0615-01							
R0615-02							
R0615-03							
R0615-04							
R0615-05							
R0615-06							
R0615-07							
R0615-08							
R0615-09							
R0615-10							
R0615-11							
R0615-12							
R0615-13							
R0615-14							

Sample Transfer	
Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No (No circled)

Received By: SB	Page 01 of 00
Reviewed By: KP	Log-in Date 07/06/2016
Work Order: R0615	Client Name: Day Environmental, Inc
Project Name/Event: 211 Franklin Street	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent (circled: Absent)
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent (circled: Present)
4. Airbill — AirBill / Sticker
   Present / Absent (circled: Absent)
5. Airbill No. — Courier N/A
6. Sample Tags — Present / Absent (circled: Absent)
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody (circled: Not Listed on Chain-of-Custody)
7. Sample Condition — Intact / Broken/ Leaking (circled: Intact)
8. Cooler Temperature Indicator Bottle — Present / Absent (circled: Absent)

9. Cooler Temperature	5.0 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No (circled: No)
11. Date Received at Laboratory	07/06/2016
12. Time Received	10:55

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
R0615-01	<2					H	
R0615-02	<2					H	
R0615-03	<2					H	
R0615-04	<2					H	
R0615-05	<2					H	
R0615-06	<2					H	
R0615-07	<2					H	
R0615-08	<2					H	
R0615-09	<2					H	
R0615-10	<2					H	
R0615-11	<2					H	
R0615-12	<2					H	
R0615-13	<2					H	
R0615-14	<2					H	
R0615-15						H	

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition:

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No (circled: No)

* Volatiles *

REPORT NARRATIVE

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0615

SW846 8260C, VOC 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 8260C

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V1
Instrument Type: GCMS-VOA

Description: HP5890 II / HP5972
Manufacturer: Hewlett-Packard
Model: 5890 / 5972
GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 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.

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-85000 in batch 85000, recovery is above criteria for 1,4-Dioxane at 139% with criteria of (70-130).

LCSD-84999 in batch 84999, recovery is above criteria for 1,4-Dioxane at 143% with criteria of (70-130) and Cyclohexane at 134% with criteria of (70-130).

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

Matrix spikes were performed on samples: MW K (R0615-10AMS) and MW K (R0615-10AMSD).

Percent recoveries were within the QC limits with the following exceptions:

MW K (R0615-10AMS), recovery is above criteria for 1,2-Dichloroethane at 142% with criteria of (70-130).

MW K (R0615-10AMSD), recovery is above criteria for 1,4-Dioxane at 134% with criteria of (70-130).

Replicate RPDs were within the advisory QC limits with the exception of the following:

MW K (R0615-10AMSD), Relative Percent Difference is greater than RPD limit for 1,4-Dioxane, Chloromethane.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

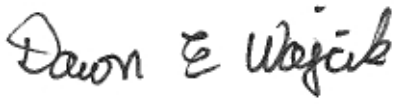
G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Eurofins Spectrum Analytical, Inc. 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:_____7/18/16_____

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0589.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0589.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0589.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	527-53-7	Benzene, 1,2,3,5-tetramethyl	10.792	11	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0590.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	3.4	J
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0590.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0590.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0591.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0591.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0591.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0592.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0592.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0592.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0593.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0593.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0593.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0594.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0594.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0594.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	565-59-3	Pentane, 2,3-dimethyl-	3.800	7.4	NJ
02	6876-23-9	Cyclohexane, 1,2-dimethyl-,	5.928	4.5	NJ
03	98-06-6	Benzene, tert-butyl-	9.209	5.5	NJ
04	527-84-4	Benzene, 1-methyl-2-(1-methy	10.786	14	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0595.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0595.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0595.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	98-06-6	Benzene, tert-butyl-	9.208	6.4	NJ
02	111-66-0	1-Octene	9.977	6.2	NJ
03	19781-31-8	3-Ethyl-3-octene	10.765	5.1	NJ

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0596.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0596.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0596.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0602.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0602.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0602.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0603.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0603.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0603.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0604.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0604.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0604.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0605.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0605.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0605.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0606.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0606.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0606.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0607.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	2.7	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0607.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0607.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0608.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0608.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-15A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0608.D

Level: (TRACE or LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0585.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MB-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0585.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0585.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-85000

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0601.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

CLIENT SAMPLE NO.
MB-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-85000

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0601.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
123-91-1	1,4-Dioxane	100	U
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-85000

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0601.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0581.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	66	
74-87-3	Chloromethane	48	
75-01-4	Vinyl chloride	48	
74-83-9	Bromomethane	46	
75-00-3	Chloroethane	52	
75-69-4	Trichlorofluoromethane	57	
75-35-4	1,1-Dichloroethene	52	
67-64-1	Acetone	50	
75-15-0	Carbon disulfide	50	
75-09-2	Methylene chloride	50	
156-60-5	trans-1,2-Dichloroethene	57	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	54	
78-93-3	2-Butanone	47	
156-59-2	cis-1,2-Dichloroethene	48	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	56	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	55	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	50	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	46	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	54	
79-00-5	1,1,2-Trichloroethane	51	
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	45	
124-48-1	Dibromochloromethane	50	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	49	

CLIENT SAMPLE NO.
LCS-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0581.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	50	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	47	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	50	
96-12-8	1,2-Dibromo-3-chloropropane	49	
120-82-1	1,2,4-Trichlorobenzene	50	
87-61-6	1,2,3-Trichlorobenzene	48	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	57	
123-91-1	1,4-Dioxane	1000	
110-82-7	Cyclohexane	53	
79-20-9	Methyl acetate	41	
108-87-2	Methylcyclohexane	58	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-85000

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0599.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	64	
74-87-3	Chloromethane	45	
75-01-4	Vinyl chloride	48	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	49	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	40	
67-64-1	Acetone	45	
75-15-0	Carbon disulfide	44	
75-09-2	Methylene chloride	47	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	49	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	52	
74-97-5	Bromochloromethane	55	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	56	
56-23-5	Carbon tetrachloride	57	
107-06-2	1,2-Dichloroethane	60	
71-43-2	Benzene	51	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	51	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	50	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	46	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	47	
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	49	

CLIENT SAMPLE NO.
LCS-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-85000

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0599.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	51	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	48	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	48	
96-12-8	1,2-Dibromo-3-chloropropane	52	
120-82-1	1,2,4-Trichlorobenzene	48	
87-61-6	1,2,3-Trichlorobenzene	46	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48	
123-91-1	1,4-Dioxane	1400	
110-82-7	Cyclohexane	58	
79-20-9	Methyl acetate	46	
108-87-2	Methylcyclohexane	53	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0582.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	43	
75-01-4	Vinyl chloride	48	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	48	
75-69-4	Trichlorofluoromethane	58	
75-35-4	1,1-Dichloroethene	51	
67-64-1	Acetone	49	
75-15-0	Carbon disulfide	49	
75-09-2	Methylene chloride	49	
156-60-5	trans-1,2-Dichloroethene	55	
1634-04-4	Methyl tert-butyl ether	51	
75-34-3	1,1-Dichloroethane	53	
78-93-3	2-Butanone	51	
156-59-2	cis-1,2-Dichloroethene	53	
74-97-5	Bromochloromethane	55	
67-66-3	Chloroform	53	
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon tetrachloride	58	
107-06-2	1,2-Dichloroethane	55	
71-43-2	Benzene	51	
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	50	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	48	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	50	
591-78-6	2-Hexanone	46	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	50	

CLIENT SAMPLE NO.
LCSD-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-84999

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0582.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/08/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	51	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	49	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	49	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	55	
120-82-1	1,2,4-Trichlorobenzene	52	
87-61-6	1,2,3-Trichlorobenzene	53	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55	
123-91-1	1,4-Dioxane	1400	
110-82-7	Cyclohexane	67	
79-20-9	Methyl acetate	43	
108-87-2	Methylcyclohexane	58	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0609.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	26	
75-01-4	Vinyl chloride	43	
74-83-9	Bromomethane	63	
75-00-3	Chloroethane	40	
75-69-4	Trichlorofluoromethane	58	
75-35-4	1,1-Dichloroethene	38	
67-64-1	Acetone	36	
75-15-0	Carbon disulfide	45	
75-09-2	Methylene chloride	47	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	53	
78-93-3	2-Butanone	58	
156-59-2	cis-1,2-Dichloroethene	51	
74-97-5	Bromochloromethane	56	
67-66-3	Chloroform	57	
71-55-6	1,1,1-Trichloroethane	59	
56-23-5	Carbon tetrachloride	58	
107-06-2	1,2-Dichloroethane	71	
71-43-2	Benzene	54	
79-01-6	Trichloroethene	46	
78-87-5	1,2-Dichloropropane	53	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	55	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	56	
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	52	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	49	
108-90-7	Chlorobenzene	52	
100-41-4	Ethylbenzene	49	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0609.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	55	
75-25-2	Bromoform	54	
98-82-8	Isopropylbenzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	39	
541-73-1	1,3-Dichlorobenzene	46	
106-46-7	1,4-Dichlorobenzene	50	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	58	
120-82-1	1,2,4-Trichlorobenzene	48	
87-61-6	1,2,3-Trichlorobenzene	44	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	46	
123-91-1	1,4-Dioxane	850	
110-82-7	Cyclohexane	47	
79-20-9	Methyl acetate	41	
108-87-2	Methylcyclohexane	46	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0610.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	43	
74-87-3	Chloromethane	45	
75-01-4	Vinyl chloride	50	
74-83-9	Bromomethane	58	
75-00-3	Chloroethane	50	
75-69-4	Trichlorofluoromethane	50	
75-35-4	1,1-Dichloroethene	46	
67-64-1	Acetone	44	
75-15-0	Carbon disulfide	44	
75-09-2	Methylene chloride	44	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl tert-butyl ether	50	
75-34-3	1,1-Dichloroethane	50	
78-93-3	2-Butanone	49	
156-59-2	cis-1,2-Dichloroethene	47	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon tetrachloride	53	
107-06-2	1,2-Dichloroethane	63	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	50	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	52	
127-18-4	Tetrachloroethene	46	
591-78-6	2-Hexanone	46	
124-48-1	Dibromochloromethane	47	
106-93-4	1,2-Dibromoethane	45	
108-90-7	Chlorobenzene	52	
100-41-4	Ethylbenzene	50	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1P0610.D

Level: (TRACE/LOW/MED) LOW Date Received: 07/06/2016

% Moisture: not dec. Date Analyzed: 07/11/2016

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	51	
79-34-5	1,1,2,2-Tetrachloroethane	48	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	49	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	50	
120-82-1	1,2,4-Trichlorobenzene	45	
87-61-6	1,2,3-Trichlorobenzene	44	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	52	
123-91-1	1,4-Dioxane	1300	
110-82-7	Cyclohexane	59	
79-20-9	Methyl acetate	40	
108-87-2	Methylcyclohexane	57	

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-84999	103	104	97	99				0
02	LCSD-84999	103	92	98	99				0
03	MB-84999	104	100	99	100				0
04	MW B	97	91	99	96				0
05	MW C	104	91	102	102				0
06	MW D	104	88	90	102				0
07	MW E	103	92	98	100				0
08	MW F	101	89	98	101				0
09	MW G	104	89	87	103				0
10	MW H	102	91	100	103				0
11	MW I	102	94	101	102				0
12	LCS-85000	100	95	96	101				0
13	MB-85000	104	88	98	100				0
14	MW J	103	89	100	109				0
15	MW K	105	89	102	101				0
16	MW L	104	90	100	100				0
17	MW M	89	99	94	81				0
18	MW N	89	101	93	80				0
19	FB	89	98	94	81				0
20	TB	86	100	93	81				0
21	MW KMS	106	96	94	98				0
22	MW KMSD	99	98	95	104				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som15.09.23.1015

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K Level: (TRACE or LOW) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	56.8177	114		30-155
Chloromethane	50.0000	0.0000	26.4874	53		40-125
Vinyl chloride	50.0000	0.0000	42.9015	86		50-145
Bromomethane	50.0000	0.0000	62.8942	126		30-145
Chloroethane	50.0000	0.0000	40.0341	80		60-135
Trichlorofluoromethane	50.0000	0.0000	57.5150	115		60-145
1,1-Dichloroethene	50.0000	0.0000	38.4058	77		70-130
Acetone	50.0000	0.0000	35.6908	71		40-140
Carbon disulfide	50.0000	0.0000	44.8817	90		35-160
Methylene chloride	50.0000	0.0000	46.8607	94		55-140
trans-1,2-Dichloroethen	50.0000	0.0000	50.6083	101		60-140
Methyl tert-butyl ether	50.0000	0.0000	52.5660	105		65-125
1,1-Dichloroethane	50.0000	0.0000	53.2709	107		70-135
2-Butanone	50.0000	0.0000	57.7370	115		30-150
cis-1,2-Dichloroethene	50.0000	0.0000	51.3172	103		70-125
Bromochloromethane	50.0000	0.0000	55.9192	112		65-130
Chloroform	50.0000	0.0000	57.4804	115		65-135
1,1,1-Trichloroethane	50.0000	0.0000	58.8131	118		65-130
Carbon tetrachloride	50.0000	0.0000	58.1445	116		65-140
1,2-Dichloroethane	50.0000	0.0000	71.1075	142	*	70-130
Benzene	50.0000	0.0000	53.9353	108		80-120
Trichloroethene	50.0000	0.0000	46.4730	93		70-125
1,2-Dichloropropane	50.0000	0.0000	53.4136	107		75-125
Bromodichloromethane	50.0000	0.0000	51.3618	103		75-120
cis-1,3-Dichloropropene	50.0000	0.0000	50.9817	102		70-130
4-Methyl-2-pentanone	50.0000	0.0000	54.9273	110		60-135
Toluene	50.0000	0.0000	53.3660	107		75-120
trans-1,3-Dichloroprope	50.0000	0.0000	54.9528	110		55-140
1,1,2-Trichloroethane	50.0000	0.0000	55.9361	112		75-125
Tetrachloroethene	50.0000	0.0000	47.8930	96		45-150
2-Hexanone	50.0000	0.0000	52.0660	104		55-130
Dibromochloromethane	50.0000	0.0000	51.4547	103		60-135
1,2-Dibromoethane	50.0000	0.0000	49.0265	98		80-120
Chlorobenzene	50.0000	0.0000	51.9754	104		80-120
Ethylbenzene	50.0000	0.0000	49.1604	98		75-125
Xylene (Total)	150.0000	0.0000	159.9883	107		81-121
Styrene	50.0000	0.0000	54.6502	109		65-135
Bromoform	50.0000	0.0000	53.5823	107		70-130
Isopropylbenzene	50.0000	0.0000	51.5783	103		75-125
1,1,2,2-Tetrachloroetha	50.0000	0.0000	39.0804	78		65-130
1,3-Dichlorobenzene	50.0000	0.0000	46.4177	93		75-125
1,4-Dichlorobenzene	50.0000	0.0000	50.4063	101		75-125
1,2-Dichlorobenzene	50.0000	0.0000	52.1720	104		70-120
1,2-Dibromo-3-chloropro	50.0000	0.0000	57.7918	116		50-130

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K Level: (TRACE or LOW) LOW

1,2,4-Trichlorobenzene	50.0000	0.0000	47.7674	96		65-135
1,2,3-Trichlorobenzene	50.0000	0.0000	44.1085	88		55-140
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0000	0.0000	45.9379	92		70-130
1,4-Dioxane	1000.0000	0.0000	848.2245	85		70-130
Cyclohexane	50.0000	0.0000	46.6576	93		70-130
Methyl acetate	50.0000	0.0000	41.0253	82		70-130
Methylcyclohexane	50.0000	0.0000	46.3432	93		70-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	42.8799	86		28		0-30	30-155
Chloromethane	50.0000	45.4450	91		53	*	0-30	40-125
Vinyl chloride	50.0000	49.9206	100		15		0-30	50-145
Bromomethane	50.0000	57.9493	116		8		0-30	30-145
Chloroethane	50.0000	50.0230	100		22		0-30	60-135
Trichlorofluoromethane	50.0000	49.8418	100		14		0-30	60-145
1,1-Dichloroethene	50.0000	46.4111	93		19		0-30	70-130
Acetone	50.0000	43.8275	88		20		0-30	40-140
Carbon disulfide	50.0000	43.7056	87		3		0-30	35-160
Methylene chloride	50.0000	44.2847	89		6		0-30	55-140
trans-1,2-Dichloroethen	50.0000	53.6968	107		6		0-30	60-140
Methyl tert-butyl ether	50.0000	50.1859	100		5		0-30	65-125
1,1-Dichloroethane	50.0000	49.7281	99		7		0-30	70-135
2-Butanone	50.0000	48.7633	98		17		0-30	30-150
cis-1,2-Dichloroethene	50.0000	47.3823	95		8		0-30	70-125
Bromochloromethane	50.0000	54.3838	109		3		0-30	65-130
Chloroform	50.0000	53.8779	108		6		0-30	65-135
1,1,1-Trichloroethane	50.0000	57.4130	115		2		0-30	65-130
Carbon tetrachloride	50.0000	53.4010	107		9		0-30	65-140
1,2-Dichloroethane	50.0000	62.8091	126		12		0-30	70-130
Benzene	50.0000	52.0886	104		3		0-30	80-120
Trichloroethene	50.0000	46.8606	94		1		0-30	70-125
1,2-Dichloropropane	50.0000	50.2131	100		6		0-30	75-125
Bromodichloromethane	50.0000	50.9336	102		1		0-30	75-120
cis-1,3-Dichloropropene	50.0000	48.8997	98		4		0-30	70-130
4-Methyl-2-pentanone	50.0000	50.8300	102		8		0-30	60-135
Toluene	50.0000	53.3268	107		0		0-30	75-120
trans-1,3-Dichloroprope	50.0000	52.1208	104		5		0-30	55-140
1,1,2-Trichloroethane	50.0000	51.7101	103		8		0-30	75-125
Tetrachloroethene	50.0000	45.7970	92		4		0-30	45-150
2-Hexanone	50.0000	46.2593	93		12		0-30	55-130
Dibromochloromethane	50.0000	46.9132	94		9		0-30	60-135
1,2-Dibromoethane	50.0000	44.6101	89		9		0-30	80-120
Chlorobenzene	50.0000	52.2708	105		1		0-30	80-120
Ethylbenzene	50.0000	50.4312	101		3		0-30	75-125
Xylene (Total)	150.0000	157.1406	105		2		0-30	81-121

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K Level: (TRACE or LOW) LOW

Styrene	50.0000	53.1020	106		3		0-30	65-135
Bromoform	50.0000	48.1852	96		11		0-30	70-130
Isopropylbenzene	50.0000	50.8104	102		1		0-30	75-125
1,1,2,2-Tetrachloroetha	50.0000	47.8066	96		20		0-30	65-130
1,3-Dichlorobenzene	50.0000	47.5101	95		2		0-30	75-125
1,4-Dichlorobenzene	50.0000	48.7695	98		3		0-30	75-125
1,2-Dichlorobenzene	50.0000	48.6751	97		7		0-30	70-120
1,2-Dibromo-3-chloropro	50.0000	50.1204	100		14		0-30	50-130
1,2,4-Trichlorobenzene	50.0000	44.5848	89		7		0-30	65-135
1,2,3-Trichlorobenzene	50.0000	44.4345	89		1		0-30	55-140
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0000	52.3138	105		13		0-30	70-130
1,4-Dioxane	1000.0000	1335.4849	134	*	45	*	0-30	70-130
Cyclohexane	50.0000	59.1333	118		24		0-30	70-130
Methyl acetate	50.0000	40.0959	80		2		0-30	70-130
Methylcyclohexane	50.0000	57.3377	115		21		0-30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 51 outside limits

Spike Recovery: 2 out of 102 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCS-84999 LCS Lot No.:

Date Extracted: 07/08/2016 Date Analyzed (1): 07/08/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	66.2987	133		30 - 155
Chloromethane	50.0000	0.0000	47.5702	95		40 - 125
Vinyl chloride	50.0000	0.0000	48.3710	97		50 - 145
Bromomethane	50.0000	0.0000	45.6293	91		30 - 145
Chloroethane	50.0000	0.0000	51.7787	104		60 - 135
Trichlorofluoromethane	50.0000	0.0000	56.8268	114		60 - 145
1,1-Dichloroethene	50.0000	0.0000	51.5594	103		70 - 130
Acetone	50.0000	0.0000	50.1012	100		40 - 140
Carbon disulfide	50.0000	0.0000	49.6095	99		35 - 160
Methylene chloride	50.0000	0.0000	49.8572	100		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	56.5131	113		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	49.7773	100		65 - 125
1,1-Dichloroethane	50.0000	0.0000	54.4757	109		70 - 135
2-Butanone	50.0000	0.0000	47.1774	94		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	47.5093	95		70 - 125
Bromochloromethane	50.0000	0.0000	53.6680	107		65 - 130
Chloroform	50.0000	0.0000	52.2376	104		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	55.6728	111		65 - 130
Carbon tetrachloride	50.0000	0.0000	57.2744	115		65 - 140
1,2-Dichloroethane	50.0000	0.0000	54.9979	110		70 - 130
Benzene	50.0000	0.0000	51.8508	104		80 - 120
Trichloroethene	50.0000	0.0000	48.1064	96		70 - 125
1,2-Dichloropropane	50.0000	0.0000	50.1763	100		75 - 125
Bromodichloromethane	50.0000	0.0000	52.5535	105		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	52.2653	105		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	46.3716	93		60 - 135
Toluene	50.0000	0.0000	50.4151	101		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	53.8606	108		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	50.8259	102		75 - 125
Tetrachloroethene	50.0000	0.0000	48.1666	96		45 - 150
2-Hexanone	50.0000	0.0000	45.0668	90		55 - 130
Dibromochloromethane	50.0000	0.0000	49.7016	99		60 - 135
1,2-Dibromoethane	50.0000	0.0000	48.1628	96		80 - 120
Chlorobenzene	50.0000	0.0000	48.1543	96		80 - 120
Ethylbenzene	50.0000	0.0000	48.8390	98		75 - 125
Xylene (Total)	150.0000	0.0000	148.1510	99		81 - 121
Styrene	50.0000	0.0000	50.1373	100		65 - 135
Bromoform	50.0000	0.0000	48.2412	96		70 - 130
Isopropylbenzene	50.0000	0.0000	49.7219	99		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	46.7044	93		65 - 130
1,3-Dichlorobenzene	50.0000	0.0000	49.9062	100		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	47.7346	95		75 - 125
1,2-Dichlorobenzene	50.0000	0.0000	50.1783	100		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	49.4419	99		50 - 130

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCS-84999 LCS Lot No.:

Date Extracted: 07/08/2016 Date Analyzed (1): 07/08/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.0000	0.0000	49.9013	100		65 - 135
1,2,3-Trichlorobenzene	50.0000	0.0000	48.3157	97		55 - 140
1,1,2-Trichloro-1,2,2-trif	50.0000	0.0000	56.7451	113		70 - 130
1,4-Dioxane	1000.0000	0.0000	1042.7824	104		70 - 130
Cyclohexane	50.0000	0.0000	52.5433	105		70 - 130
Methyl acetate	50.0000	0.0000	41.4428	83		70 - 130
Methylcyclohexane	50.0000	0.0000	58.1271	116		70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 51 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCS-85000 LCS Lot No.:

Date Extracted: 07/11/2016 Date Analyzed (1): 07/11/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	63.9191	128		30 - 155
Chloromethane	50.0000	0.0000	44.7130	89		40 - 125
Vinyl chloride	50.0000	0.0000	47.7195	95		50 - 145
Bromomethane	50.0000	0.0000	48.5133	97		30 - 145
Chloroethane	50.0000	0.0000	48.8385	98		60 - 135
Trichlorofluoromethane	50.0000	0.0000	45.6668	91		60 - 145
1,1-Dichloroethene	50.0000	0.0000	39.7864	80		70 - 130
Acetone	50.0000	0.0000	45.3991	91		40 - 140
Carbon disulfide	50.0000	0.0000	44.4940	89		35 - 160
Methylene chloride	50.0000	0.0000	46.9291	94		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	52.2758	105		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	51.5646	103		65 - 125
1,1-Dichloroethane	50.0000	0.0000	49.0252	98		70 - 135
2-Butanone	50.0000	0.0000	52.5419	105		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	52.4167	105		70 - 125
Bromochloromethane	50.0000	0.0000	55.3407	111		65 - 130
Chloroform	50.0000	0.0000	53.5620	107		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	56.2334	112		65 - 130
Carbon tetrachloride	50.0000	0.0000	57.2880	115		65 - 140
1,2-Dichloroethane	50.0000	0.0000	60.0761	120		70 - 130
Benzene	50.0000	0.0000	51.1477	102		80 - 120
Trichloroethene	50.0000	0.0000	47.4957	95		70 - 125
1,2-Dichloropropane	50.0000	0.0000	50.6387	101		75 - 125
Bromodichloromethane	50.0000	0.0000	52.9241	106		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	51.5788	103		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	49.7669	100		60 - 135
Toluene	50.0000	0.0000	50.3035	101		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	52.9460	106		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	53.0157	106		75 - 125
Tetrachloroethene	50.0000	0.0000	48.4661	97		45 - 150
2-Hexanone	50.0000	0.0000	46.4342	93		55 - 130
Dibromochloromethane	50.0000	0.0000	48.5626	97		60 - 135
1,2-Dibromoethane	50.0000	0.0000	46.8542	94		80 - 120
Chlorobenzene	50.0000	0.0000	49.4160	99		80 - 120
Ethylbenzene	50.0000	0.0000	49.0957	98		75 - 125
Xylene (Total)	150.0000	0.0000	148.6512	99		81 - 121
Styrene	50.0000	0.0000	51.0814	102		65 - 135
Bromoform	50.0000	0.0000	49.0097	98		70 - 130
Isopropylbenzene	50.0000	0.0000	49.7796	100		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	47.6173	95		65 - 130
1,3-Dichlorobenzene	50.0000	0.0000	47.7351	95		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	47.5911	95		75 - 125
1,2-Dichlorobenzene	50.0000	0.0000	48.0895	96		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	52.3799	105		50 - 130

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCS-85000 LCS Lot No.:

Date Extracted: 07/11/2016 Date Analyzed (1): 07/11/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.0000	0.0000	47.7017	95		65 - 135
1,2,3-Trichlorobenzene	50.0000	0.0000	46.1981	92		55 - 140
1,1,2-Trichloro-1,2,2-trif	50.0000	0.0000	47.6042	95		70 - 130
1,4-Dioxane	1000.0000	0.0000	1393.7480	139	*	70 - 130
Cyclohexane	50.0000	0.0000	58.2292	116		70 - 130
Methyl acetate	50.0000	0.0000	45.8467	92		70 - 130
Methylcyclohexane	50.0000	0.0000	52.8975	106		70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 51 outside limits

COMMENTS:

EPA SAMPLE NO.

LCSD-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCSD-84999 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	57.1908	114		15		30	30 - 155
Chloromethane	50.0000	43.4955	87		9		30	40 - 125
Vinyl chloride	50.0000	47.5088	95		2		30	50 - 145
Bromomethane	50.0000	44.2679	89		2		30	30 - 145
Chloroethane	50.0000	48.4968	97		7		30	60 - 135
Trichlorofluoromethane	50.0000	57.6260	115		1		30	60 - 145
1,1-Dichloroethene	50.0000	50.7851	102		1		30	70 - 130
Acetone	50.0000	48.9211	98		2		30	40 - 140
Carbon disulfide	50.0000	48.9620	98		1		30	35 - 160
Methylene chloride	50.0000	49.2678	99		1		30	55 - 140
trans-1,2-Dichloroethene	50.0000	54.8770	110		3		30	60 - 140
Methyl tert-butyl ether	50.0000	50.5111	101		1		30	65 - 125
1,1-Dichloroethane	50.0000	53.1859	106		3		30	70 - 135
2-Butanone	50.0000	51.2044	102		8		30	30 - 150
cis-1,2-Dichloroethene	50.0000	52.8725	106		11		30	70 - 125
Bromochloromethane	50.0000	55.0643	110		3		30	65 - 130
Chloroform	50.0000	53.4644	107		3		30	65 - 135
1,1,1-Trichloroethane	50.0000	56.8578	114		3		30	65 - 130
Carbon tetrachloride	50.0000	58.1804	116		1		30	65 - 140
1,2-Dichloroethane	50.0000	54.8967	110		0		30	70 - 130
Benzene	50.0000	50.8621	102		2		30	80 - 120
Trichloroethene	50.0000	47.9860	96		0		30	70 - 125
1,2-Dichloropropane	50.0000	50.4029	101		1		30	75 - 125
Bromodichloromethane	50.0000	53.0293	106		1		30	75 - 120
cis-1,3-Dichloropropene	50.0000	51.7196	103		2		30	70 - 130
4-Methyl-2-pentanone	50.0000	48.2947	97		4		30	60 - 135
Toluene	50.0000	50.2020	100		1		30	75 - 120
trans-1,3-Dichloropropene	50.0000	53.1289	106		2		30	55 - 140
1,1,2-Trichloroethane	50.0000	49.9529	100		2		30	75 - 125
Tetrachloroethene	50.0000	50.2272	100		4		30	45 - 150
2-Hexanone	50.0000	45.7706	92		2		30	55 - 130
Dibromochloromethane	50.0000	51.1531	102		3		30	60 - 135
1,2-Dibromoethane	50.0000	48.1765	96		0		30	80 - 120
Chlorobenzene	50.0000	48.8606	98		2		30	80 - 120
Ethylbenzene	50.0000	49.5968	99		1		30	75 - 125
Xylene (Total)	150.0000	148.9989	99		0		30	81 - 121
Styrene	50.0000	50.6126	101		1		30	65 - 135
Bromoform	50.0000	47.7407	95		1		30	70 - 130
Isopropylbenzene	50.0000	49.8198	100		1		30	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	49.0195	98		5		30	65 - 130
1,3-Dichlorobenzene	50.0000	50.0000	100		0		30	75 - 125
1,4-Dichlorobenzene	50.0000	48.8582	98		3		30	75 - 125
1,2-Dichlorobenzene	50.0000	51.5808	103		3		30	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	55.2638	111		11		30	50 - 130
1,2,4-Trichlorobenzene	50.0000	51.8134	104		4		30	65 - 135
1,2,3-Trichlorobenzene	50.0000	53.1149	106		9		30	55 - 140

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCSD-84999 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichloro-1,2,2-trif	50.0000	55.1842	110		3		30	70 - 130
1,4-Dioxane	1000.0000	1434.0015	143	*	32	*	30	70 - 130
Cyclohexane	50.0000	66.9906	134	*	24		30	70 - 130
Methyl acetate	50.0000	42.5420	85		2		30	70 - 130
Methylcyclohexane	50.0000	57.7807	116		0		30	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 51 outside limits

Spike Recovery: 2 out of 51 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-84999

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab File ID: V1P0585.D Lab Sample ID: MB-84999

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/08/2016

Level: (TRACE or LOW/MED) LOW Time Analyzed: 15:03

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-84999	LCS-84999	V1P0581.D	12:58
02	LCSD-84999	LCSD-84999	V1P0582.D	13:22
03	MW B	R0615-01A	V1P0589.D	16:42
04	MW C	R0615-02A	V1P0590.D	17:07
05	MW D	R0615-03A	V1P0591.D	17:31
06	MW E	R0615-04A	V1P0592.D	17:56
07	MW F	R0615-05A	V1P0593.D	18:20
08	MW G	R0615-06A	V1P0594.D	18:45
09	MW H	R0615-07A	V1P0595.D	19:10
10	MW I	R0615-08A	V1P0596.D	19:35

COMMENTS:

som15.09.23.1015

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-85000

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab File ID: V1P0601.D Lab Sample ID: MB-85000

Instrument ID: V1

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/11/2016

Level: (TRACE or LOW/MED) LOW Time Analyzed: 12:24

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-85000	LCS-85000	V1P0599.D	11:34
02	MW J	R0615-09A	V1P0602.D	12:48
03	MW K	R0615-10A	V1P0603.D	13:13
04	MW L	R0615-11A	V1P0604.D	13:38
05	MW M	R0615-12A	V1P0605.D	14:03
06	MW N	R0615-13A	V1P0606.D	14:27
07	FB	R0615-14A	V1P0607.D	14:52
08	TB	R0615-15A	V1P0608.D	15:17
09	MW KMS	R0615-10AMS	V1P0609.D	15:41
10	MW KMSD	R0615-10AMSD	V1P0610.D	16:06

COMMENTS:

som15.09.23.1015

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 07/08/2016 07/08/2016

EPA Sample No.(VSTD#####): VSTD0501L Date Analyzed: 07/08/2016

Lab File ID (Standard): V1P0578.D Time Analyzed: 11:12

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	270984		4.213		176947		7.031		89447		9.612	
	UPPER LIMIT	541968		4.713		353894		7.531		178894		10.112	
	LOWER LIMIT	135492		3.713		88474		6.531		44724		9.112	
	SAMPLE NO.												
01	LCS-84999	243939		4.208		178625		7.036		82636		9.618	
02	LCSD-84999	240385		4.218		174548		7.036		79701		9.617	
03	MB-84999	224457		4.215		158951		7.033		70917		9.614	
04	MW B	192432		4.220		138254		7.028		63378		9.619	
05	MW C	199549		4.214		141525		7.042		66030		9.623	
06	MW D	186400		4.218		137670		7.036		63295		9.618	
07	MW E	201273		4.215		146042		7.033		66056		9.624	
08	MW F	177280		4.219		131380		7.037		60647		9.618	
09	MW G	184077		4.223		135254		7.041		61967		9.623	
10	MW H	178525		4.223		130943		7.041		63069		9.612	
11	MW I	205126		4.219		146301		7.037		66601		9.619	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 07/08/2016 07/08/2016

EPA Sample No.(VSTD#####): VSTD0501M Date Analyzed: 07/11/2016

Lab File ID (Standard): V1P0598.D Time Analyzed: 11:09

Instrument ID: V1 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	165407		4.207		125761		7.025		78322		9.607	
	UPPER LIMIT	330814		4.707		251522		7.525		156644		10.107	
	LOWER LIMIT	82704		3.707		62881		6.525		39161		9.107	
	SAMPLE NO.												
01	LCS-85000	205384		4.213		154755		7.031		75177		9.622	
02	MB-85000	155112		4.213		124079		7.031		56679		9.603	
03	MW J	145456		4.208		107323		7.026		52195		9.607	
04	MW K	131515		4.203		97512		7.031		44044		9.603	
05	MW L	120571		4.213		88851		7.031		40708		9.613	
06	MW M	326946		4.223		240395		7.031		107803		9.612	
07	MW N	281573		4.213		207621		7.031		94403		9.612	
08	FB	271327		4.217		197426		7.035		91935		9.607	
09	TB	238125		4.203		172519		7.030		77259		9.612	
10	MW KMS	104584		4.209		79855		7.027		52745		9.609	
11	MW KMSD	157209		4.209		122135		7.037		62111		9.618	

IS1 () = Fluorobenzene
IS2 () = Chlorobenzene-d5
IS3 () = 1,4-Dichlorobenzene-d4
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Semivolatile Organics *

REPORT NARRATIVE

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0615

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

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used
Instrument Code: S6
Instrument Type: GCMS-Semi
Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

Method blanks were within the acceptance criteria except for the following analytes detected above the reporting limit:

MB-84975 in batch 84975, Percent Recovery is outside QC Limits for 1,4-Dioxane-d8.

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.

MW B (R0615-01B), recovery is below criteria for Terphenyl-d14 at 44% with criteria of (50-135).

MW F (R0615-05B), recovery is below criteria for Terphenyl-d14 at 44% with criteria of (50-135).

MW G (R0615-06B), recovery is below criteria for Terphenyl-d14 at 42% with criteria of (50-135).

MW H (R0615-07B), recovery is below criteria for Terphenyl-d14 at 44% with criteria of (50-135).

MW M (R0615-12B), recovery is below criteria for Terphenyl-d14 at 45% with criteria of (50-135).

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.

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

Matrix spikes were performed on samples: MW K (R0615-10BMS) and MW K (R0615-10BMSD).

Percent recoveries were within the QC limits with the following exceptions:

MW K (R0615-10BMS), recovery is below criteria for 1,1´-Biphenyl at 50% with criteria of (55-108).

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution

· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

LCS-84975 Pentachlorophenol due to M6

MW K (R0615-10BMS) Caprolactam , Pentachlorophenol due to M6

MW K (R0615-10BMSD) Caprolactam , Pentachlorophenol due to M6

SSTD0056F 4-Nitrophenol , Pentachlorophenol due to M6

SSTD0256F Pentachlorophenol due to M6

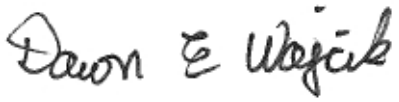
SSTD0256J Pentachlorophenol due to M6

SSTD0406F Caprolactam , Pentachlorophenol due to M6

SSTD0606F Pentachlorophenol due to M6

SSTD0806F Pentachlorophenol due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Eurofins Spectrum Analytical, Inc. 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:_____7/19/16_____

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5604.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5604.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5604.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (6.14868)	6.149	33	J
02		Unknown (6.57172)	6.572	35	J
03		Unknown (6.67748)	6.677	32	J
04		Unknown (6.75973)	6.760	26	J
05		Unknown (6.91837)	6.918	56	J
06		Unknown (7.07702)	7.077	22	J
07		Unknown (7.12990)	7.130	24	J
08		Unknown (7.28853)	7.289	44	J
09		Unknown (7.40605)	7.406	47	J
10		Unknown (7.46480)	7.465	47	J
11		Unknown (7.77033)	7.770	55	J
12		Unknown (7.97010)	7.970	77	J
13		Unknown (8.05823)	8.058	140	J
14		Unknown (8.41077)	8.411	93	J
15	57-10-3	n-Hexadecanoic acid	10.232	29	BNJ
16	57-11-4	Octadecanoic acid	11.166	37	NJ
17	297-03-0	Cyclotetracosane	12.565	26	NJ
18		Unknown (12.81745)	12.817	23	J
19		Unknown (13.09360)	13.094	62	J
20		Unknown (14.75638)	14.756	37	J

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5605.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5605.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	23	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5605.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.203	9.5	BNJ
02		Unknown	17.183	7.3	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5606.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5606.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5606.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.24177)	7.242	13	J
02		Unknown (7.37103)	7.371	5.0	J
03		Unknown (7.71182)	7.712	4.3	J
04		Unknown (7.87045)	7.870	4.3	J
05	57-10-3	n-Hexadecanoic acid	10.203	11	BNJ
06	57-11-4	Octadecanoic acid	11.149	8.8	NJ
07		Unknown (11.60143)	11.601	5.9	J
08	1000151-22-5	Cyclooctadecane, ethyl-	12.559	4.4	NJ
09		Unknown (13.33473)	13.335	6.2	J
10	1000151-22-6	Cyclodocosane, ethyl-	14.375	5.4	NJ
11	18435-45-5	1-Nonadecene	15.092	9.6	NJ
12		Unknown (17.17735)	17.177	7.4	J
13		Unknown (19.43945)	19.439	4.0	J

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5607.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5607.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.9	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5607.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.71767)	7.718	4.6	J
02	57-10-3	n-Hexadecanoic acid	10.203	8.0	BNJ
03		Unknown (17.18322)	17.183	15	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5608.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5608.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	11	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5608.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (6.94197)	6.942	4.1	J
02		Unknown (7.07123)	7.071	4.8	J
03		Unknown (7.12998)	7.130	4.3	J
04		Unknown (7.32975)	7.330	21	J
05		Unknown (7.71755)	7.718	19	J
06		Unknown (7.89382)	7.894	8.4	J
07		Unknown (7.99957)	8.000	6.1	J
08		Unknown (8.05245)	8.052	9.7	J
09		Unknown (8.22872)	8.229	50	J
10		Unknown (8.56950)	8.569	9.2	J
11	57-10-3	n-Hexadecanoic acid	10.215	34	BNJ
12	57-11-4	Octadecanoic acid	11.155	24	NJ
13	1599-67-3	1-Docosene	12.559	13	NJ
14		Unknown (12.81753)	12.818	20	J
15		Unknown (13.09368)	13.094	55	J
16		Unknown (14.58022)	14.580	54	J
17		Unknown (17.97042)	17.970	9.4	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5609.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5609.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5609.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (6.66572)	6.666	66	J
02		Unknown (6.76560)	6.766	48	J
03		Unknown (6.93012)	6.930	45	J
04		Unknown (6.94775)	6.948	35	J
05		Unknown (7.00063)	7.001	52	J
06		Unknown (7.25915)	7.259	44	J
07		Unknown (7.37078)	7.371	160	J
08		Unknown (8.01710)	8.017	97	J
09		Unknown (8.05823)	8.058	39	J
10		Unknown (8.16987)	8.170	54	J
11		Unknown (8.25213)	8.252	66	J
12		Unknown (8.32263)	8.323	40	J
13		Unknown (8.48715)	8.487	22	J
14		Unknown (8.92193)	8.922	18	J
15		Unknown (9.03358)	9.034	21	J
16		Unknown (9.20397)	9.204	15	J
17		Unknown (9.58000)	9.580	27	J
18		Unknown (9.80328)	9.803	39	J
19	57-10-3	n-Hexadecanoic acid	10.238	44	BNJ
20	10544-50-0	Cyclic octaatomic sulfur	10.761	27	NJ
21	1000282-97-3	Heptafluorobutanoic acid, he	12.565	130	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5610.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5610.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5610.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.89725)	4.897	21	J
02		Unknown (5.32030)	5.320	19	J
03		Unknown (5.52593)	5.526	33	J
04		Unknown (5.78447)	5.784	22	J
05		Unknown (5.81383)	5.814	18	J
06		Unknown (5.90197)	5.902	58	J
07		Unknown (6.11350)	6.114	210	J
08		Unknown (6.42490)	6.425	73	J
09		Unknown (6.50717)	6.507	110	J
10		Unknown (6.70693)	6.707	6.7	J
11		Unknown (7.13585)	7.136	4.6	J
12		Unknown (7.22398)	7.224	5.0	J
13		Unknown (7.34737)	7.347	11	J
14		Unknown (7.54713)	7.547	9.1	J
15		Unknown (8.07007)	8.070	12	J
16		Unknown (8.32272)	8.323	16	J
17		Unknown (8.81038)	8.810	28	J
18		Unknown (10.28515)	10.285	32	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5611.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5611.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5611.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (5.59055)	5.591	14	J
02		Unknown (5.96658)	5.967	19	J
03		Unknown (6.10173)	6.102	14	J
04		Unknown (6.87730)	6.877	10	J
05		Unknown (6.94193)	6.942	12	J
06		Unknown (7.04182)	7.042	11	J
07		Unknown (7.17108)	7.171	12	J
08		Unknown (7.28272)	7.283	17	J
09		Unknown (7.31210)	7.312	61	J
10		Unknown (7.74688)	7.747	73	J
11		Unknown (7.99367)	7.994	15	J
12		Unknown (8.05242)	8.052	21	J
13		Unknown (8.27568)	8.276	90	J
14		Unknown (8.39908)	8.399	48	J
15		Unknown (8.62235)	8.622	15	J
16		Unknown (8.99250)	8.992	15	J
17	57-10-3	n-Hexadecanoic acid	10.232	31	BNJ
18	57-11-4	Octadecanoic acid	11.166	35	NJ
19	297-03-0	Cyclotetracosane	12.559	18	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5612.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5612.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	22	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5612.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.69993)	7.700	4.1	J
02	57-10-3	n-Hexadecanoic acid	10.203	6.3	BNJ
03	57-11-4	Octadecanoic acid	11.149	4.2	NJ
04		Unknown (14.04555)	14.046	11	J
05		Unknown (14.57435)	14.574	4.1	J
06		Unknown (14.75062)	14.751	70	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5613.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5613.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.2	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5613.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.69985)	7.700	4.5	J
02		Unknown (8.42253)	8.423	5.4	J
03	3910-35-8	1H-Indene, 2,3-dihydro-1,1,3	8.922	7.2	NJ
04	57-10-3	n-Hexadecanoic acid	10.209	34	BNJ
05		Unknown (11.04305)	11.043	8.2	J
06	57-11-4	Octadecanoic acid	11.155	16	NJ
07		Unknown (12.55895)	12.559	10	J
08	7494-34-0	26-Nor-5-cholesten-3.beta.-o	14.839	60	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5616.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5616.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-11B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5616.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.70573)	7.706	5.1	J
02	57-10-3	n-Hexadecanoic acid	10.203	9.0	BNJ
03	78-51-3	Ethanol, 2-butoxy-, phosphat	12.177	4.5	NJ
04		Unknown (14.75053)	14.751	56	J

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-12B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5617.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-12B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5617.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	4.7	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-12B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5617.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (6.31908)	6.319	7.2	J
02		Unknown (6.49535)	6.495	8.7	J
03		Unknown (7.08878)	7.089	4.7	J
04		Unknown (7.31793)	7.318	9.5	J
05		Unknown (7.49420)	7.494	6.9	J
06		Unknown (7.88787)	7.888	6.9	J
07		Unknown (8.01125)	8.011	5.0	J
08		Unknown (8.05238)	8.052	20	J
09		Unknown (8.41080)	8.411	32	J
10		Unknown (8.58707)	8.587	29	J
11	57-10-3	n-Hexadecanoic acid	10.220	33	BNJ
12	57-11-4	Octadecanoic acid	11.161	30	NJ
13	3452-07-1	1-Eicosene	12.559	110	NJ

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5618.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5618.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	5.3	J

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-13B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5618.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (7.24740)	7.247	11	J
02		Unknown (7.37667)	7.377	4.1	J
03	57-10-3	n-Hexadecanoic acid	10.209	14	BNJ
04	10544-50-0	Cyclic octaatomic sulfur	10.755	4.5	NJ
05	57-11-4	Octadecanoic acid	11.155	6.3	NJ
06		Unknown (11.74808)	11.748	9.1	J
07		Unknown (12.17700)	12.177	7.1	J
08	3452-07-1	1-Eicosene	12.559	5.3	NJ
09		Unknown (13.69290)	13.693	5.7	J
10		Unknown (14.75050)	14.751	19	J
11		Unknown (15.97850)	15.979	5.0	J
12		Unknown (16.38978)	16.390	8.4	J
13		Unknown (17.56490)	17.565	14	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-14B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5619.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	17	
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-14B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5619.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FB

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-14B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5619.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (1.28973)	1.290	11	J
02	95-16-9	Benzothiazole	5.820	5.7	NJ
03	57-10-3	n-Hexadecanoic acid	10.238	100	BNJ
04	593-39-5	6-Octadecenoic acid, (Z)-	11.043	5.1	NJ
05	57-11-4	Octadecanoic acid	11.178	88	NJ
06		Unknown (15.09733)	15.097	5.7	J
07	629-92-5	Nonadecane	15.544	5.2	NJ
08		Unknown (16.06092)	16.061	23	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84975

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5602.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84975

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5602.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-84975

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5602.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	57-10-3	n-Hexadecanoic acid	10.209	7.5	NJ
02		Unknown (14.76233)	14.762	4.4	J
03		Unknown (15.97858)	15.979	6.5	J
04		Unknown (17.18895)	17.189	8.7	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84975

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5603.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	17	
111-44-4	Bis(2-chloroethyl)ether	32	
95-57-8	2-Chlorophenol	36	
95-48-7	2-Methylphenol	34	
108-60-1	2,2´-oxybis(1-Chloropropane)	42	
106-44-5	4-Methylphenol	30	
621-64-7	N-Nitroso-di-n-propylamine	43	
67-72-1	Hexachloroethane	39	
98-95-3	Nitrobenzene	41	
78-59-1	Isophorone	42	
88-75-5	2-Nitrophenol	41	
105-67-9	2,4-Dimethylphenol	37	
120-83-2	2,4-Dichlorophenol	39	
91-20-3	Naphthalene	42	
106-47-8	4-Chloroaniline	42	
111-91-1	Bis(2-chloroethoxy)methane	42	
87-68-3	Hexachlorobutadiene	39	
59-50-7	4-Chloro-3-methylphenol	39	
91-57-6	2-Methylnaphthalene	36	
77-47-4	Hexachlorocyclopentadiene	30	
88-06-2	2,4,6-Trichlorophenol	42	
95-95-4	2,4,5-Trichlorophenol	42	
91-58-7	2-Chloronaphthalene	43	
88-74-4	2-Nitroaniline	44	
131-11-3	Dimethylphthalate	44	
208-96-8	Acenaphthylene	44	
606-20-2	2,6-Dinitrotoluene	45	
99-09-2	3-Nitroaniline	44	
83-32-9	Acenaphthene	44	
51-28-5	2,4-Dinitrophenol	29	
100-02-7	4-Nitrophenol	16	J
132-64-9	Dibenzofuran	44	
121-14-2	2,4-Dinitrotoluene	45	
84-66-2	Diethylphthalate	45	
7005-72-3	4-Chlorophenyl-phenylether	44	
86-73-7	Fluorene	45	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-84975

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5603.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	44	
534-52-1	4,6-Dinitro-2-methylphenol	39	
86-30-6	N-Nitrosodiphenylamine	43	
101-55-3	4-Bromophenyl-phenylether	43	
118-74-1	Hexachlorobenzene	43	
87-86-5	Pentachlorophenol	41	
85-01-8	Phenanthrene	44	
120-12-7	Anthracene	44	
86-74-8	Carbazole	46	
84-74-2	Di-n-butylphthalate	46	
206-44-0	Fluoranthene	46	
129-00-0	Pyrene	42	
85-68-7	Butylbenzylphthalate	44	
91-94-1	3,3´-Dichlorobenzidine	42	
56-55-3	Benzo(a)anthracene	44	
218-01-9	Chrysene	46	
117-81-7	Bis(2-ethylhexyl)phthalate	45	
117-84-0	Di-n-octylphthalate	46	
205-99-2	Benzo(b)fluoranthene	43	
207-08-9	Benzo(k)fluoranthene	47	
50-32-8	Benzo(a)pyrene	46	
193-39-5	Indeno(1,2,3-cd)pyrene	47	
53-70-3	Dibenzo(a,h)anthracene	50	
191-24-2	Benzo(g,h,i)perylene	50	
92-52-4	1,1´-Biphenyl	30	
95-94-3	1,2,4,5-Tetrachlorobenzene	46	
98-86-2	Acetophenone	39	
1912-24-9	Atrazine	52	
100-52-7	Benzaldehyde	60	
105-60-2	Caprolactam	14	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5614.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	14	
111-44-4	Bis(2-chloroethyl)ether	28	
95-57-8	2-Chlorophenol	31	
95-48-7	2-Methylphenol	29	
108-60-1	2,2´-oxybis(1-Chloropropane)	33	
106-44-5	4-Methylphenol	27	
621-64-7	N-Nitroso-di-n-propylamine	35	
67-72-1	Hexachloroethane	32	
98-95-3	Nitrobenzene	34	
78-59-1	Isophorone	34	
88-75-5	2-Nitrophenol	34	
105-67-9	2,4-Dimethylphenol	33	
120-83-2	2,4-Dichlorophenol	35	
91-20-3	Naphthalene	34	
106-47-8	4-Chloroaniline	32	
111-91-1	Bis(2-chloroethoxy)methane	34	
87-68-3	Hexachlorobutadiene	32	
59-50-7	4-Chloro-3-methylphenol	36	
91-57-6	2-Methylnaphthalene	31	
77-47-4	Hexachlorocyclopentadiene	25	
88-06-2	2,4,6-Trichlorophenol	36	
95-95-4	2,4,5-Trichlorophenol	38	
91-58-7	2-Chloronaphthalene	36	
88-74-4	2-Nitroaniline	38	
131-11-3	Dimethylphthalate	38	
208-96-8	Acenaphthylene	37	
606-20-2	2,6-Dinitrotoluene	38	
99-09-2	3-Nitroaniline	37	
83-32-9	Acenaphthene	37	
51-28-5	2,4-Dinitrophenol	34	
100-02-7	4-Nitrophenol	16	J
132-64-9	Dibenzofuran	37	
121-14-2	2,4-Dinitrotoluene	38	
84-66-2	Diethylphthalate	38	
7005-72-3	4-Chlorophenyl-phenylether	37	
86-73-7	Fluorene	38	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5614.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	38	
534-52-1	4,6-Dinitro-2-methylphenol	36	
86-30-6	N-Nitrosodiphenylamine	37	
101-55-3	4-Bromophenyl-phenylether	36	
118-74-1	Hexachlorobenzene	35	
87-86-5	Pentachlorophenol	38	
85-01-8	Phenanthrene	37	
120-12-7	Anthracene	37	
86-74-8	Carbazole	40	
84-74-2	Di-n-butylphthalate	39	
206-44-0	Fluoranthene	38	
129-00-0	Pyrene	36	
85-68-7	Butylbenzylphthalate	38	
91-94-1	3,3´-Dichlorobenzidine	22	
56-55-3	Benzo(a)anthracene	37	
218-01-9	Chrysene	39	
117-81-7	Bis(2-ethylhexyl)phthalate	45	
117-84-0	Di-n-octylphthalate	37	
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	36	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	38	
53-70-3	Dibenzo(a,h)anthracene	39	
191-24-2	Benzo(g,h,i)perylene	39	
92-52-4	1,1´-Biphenyl	25	
95-94-3	1,2,4,5-Tetrachlorobenzene	38	
98-86-2	Acetophenone	31	
1912-24-9	Atrazine	44	
100-52-7	Benzaldehyde	48	
105-60-2	Caprolactam	11	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5615.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	17	
111-44-4	Bis(2-chloroethyl)ether	34	
95-57-8	2-Chlorophenol	37	
95-48-7	2-Methylphenol	34	
108-60-1	2,2´-oxybis(1-Chloropropane)	39	
106-44-5	4-Methylphenol	31	
621-64-7	N-Nitroso-di-n-propylamine	41	
67-72-1	Hexachloroethane	37	
98-95-3	Nitrobenzene	39	
78-59-1	Isophorone	40	
88-75-5	2-Nitrophenol	39	
105-67-9	2,4-Dimethylphenol	38	
120-83-2	2,4-Dichlorophenol	40	
91-20-3	Naphthalene	40	
106-47-8	4-Chloroaniline	32	
111-91-1	Bis(2-chloroethoxy)methane	40	
87-68-3	Hexachlorobutadiene	37	
59-50-7	4-Chloro-3-methylphenol	40	
91-57-6	2-Methylnaphthalene	35	
77-47-4	Hexachlorocyclopentadiene	27	
88-06-2	2,4,6-Trichlorophenol	41	
95-95-4	2,4,5-Trichlorophenol	43	
91-58-7	2-Chloronaphthalene	41	
88-74-4	2-Nitroaniline	43	
131-11-3	Dimethylphthalate	43	
208-96-8	Acenaphthylene	42	
606-20-2	2,6-Dinitrotoluene	43	
99-09-2	3-Nitroaniline	42	
83-32-9	Acenaphthene	42	
51-28-5	2,4-Dinitrophenol	38	
100-02-7	4-Nitrophenol	19	J
132-64-9	Dibenzofuran	42	
121-14-2	2,4-Dinitrotoluene	43	
84-66-2	Diethylphthalate	44	
7005-72-3	4-Chlorophenyl-phenylether	42	
86-73-7	Fluorene	42	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW KMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0615-10BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6C5615.D

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

% Moisture: Decanted: (Y/N) Date Received: 07/06/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/06/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/07/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	43	
534-52-1	4,6-Dinitro-2-methylphenol	40	
86-30-6	N-Nitrosodiphenylamine	41	
101-55-3	4-Bromophenyl-phenylether	40	
118-74-1	Hexachlorobenzene	39	
87-86-5	Pentachlorophenol	43	
85-01-8	Phenanthrene	41	
120-12-7	Anthracene	42	
86-74-8	Carbazole	45	
84-74-2	Di-n-butylphthalate	43	
206-44-0	Fluoranthene	42	
129-00-0	Pyrene	40	
85-68-7	Butylbenzylphthalate	42	
91-94-1	3,3´-Dichlorobenzidine	20	
56-55-3	Benzo(a)anthracene	41	
218-01-9	Chrysene	42	
117-81-7	Bis(2-ethylhexyl)phthalate	43	
117-84-0	Di-n-octylphthalate	42	
205-99-2	Benzo(b)fluoranthene	41	
207-08-9	Benzo(k)fluoranthene	43	
50-32-8	Benzo(a)pyrene	42	
193-39-5	Indeno(1,2,3-cd)pyrene	45	
53-70-3	Dibenzo(a,h)anthracene	45	
191-24-2	Benzo(g,h,i)perylene	44	
92-52-4	1,1´-Biphenyl	28	
95-94-3	1,2,4,5-Tetrachlorobenzene	44	
98-86-2	Acetophenone	37	
1912-24-9	Atrazine	52	
100-52-7	Benzaldehyde	61	
105-60-2	Caprolactam	14	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-84975	76	80	84	31	45	83			0
02	LCS-84975	87	89	86	32	48	91			0
03	MW B	75	78	44 *	28	41	90			1
04	MW C	68	70	72	26	38	82			0
05	MW D	76	80	62	27	44	84			0
06	MW E	70	72	59	28	42	74			0
07	MW F	71	77	44 *	31	44	84			1
08	MW G	76	78	42 *	29	42	85			1
09	MW H	82	75	44 *	32	48	90			1
10	MW I	75	79	53	29	44	93			0
11	MW J	72	75	65	30	44	83			0
12	MW K	72	76	57	29	43	79			0
13	MW KMS	70	74	56	27	41	80			0
14	MW KMSD	81	85	61	34	48	88			0
15	MW L	77	80	62	30	43	80			0
16	MW M	71	73	45 *	29	42	83			1
17	MW N	75	78	58	31	47	86			0
18	FB	75	77	80	29	42	85			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som15.09.23.1015

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	14.3353	29		0-115
Bis(2-chloroethyl)ether	50.0000	0.0000	27.7918	56		35-110
2-Chlorophenol	50.0000	0.0000	31.3210	63		35-105
2-Methylphenol	50.0000	0.0000	29.4702	59		40-110
2,2´-oxybis(1-Chloropro	50.0000	0.0000	32.7209	65		30-123
4-Methylphenol	50.0000	0.0000	27.0544	54		30-110
N-Nitroso-di-n-propylam	50.0000	0.0000	34.7652	70		35-130
Hexachloroethane	50.0000	0.0000	31.7381	63		30-95
Nitrobenzene	50.0000	0.0000	33.8805	68		45-110
Isophorone	50.0000	0.0000	33.9278	68		50-110
2-Nitrophenol	50.0000	0.0000	33.8986	68		40-115
2,4-Dimethylphenol	50.0000	0.0000	33.3582	67		30-110
2,4-Dichlorophenol	50.0000	0.0000	34.6001	69		50-105
Naphthalene	50.0000	0.0000	34.3358	69		40-100
4-Chloroaniline	50.0000	0.0000	32.2133	64		15-110
Bis(2-chloroethoxy)meth	50.0000	0.0000	34.0824	68		45-105
Hexachlorobutadiene	50.0000	0.0000	31.8223	64		25-105
4-Chloro-3-methylphenol	50.0000	0.0000	35.7423	71		45-110
2-Methylnaphthalene	50.0000	0.0000	30.7217	61		45-105
Hexachlorocyclopentadie	50.0000	0.0000	24.7265	49		27-147
2,4,6-Trichlorophenol	50.0000	0.0000	36.2895	73		50-115
2,4,5-Trichlorophenol	50.0000	0.0000	37.8652	76		50-110
2-Chloronaphthalene	50.0000	0.0000	35.9603	72		50-105
2-Nitroaniline	50.0000	0.0000	37.9304	76		50-115
Dimethylphthalate	50.0000	0.0000	37.6188	75		25-125
Acenaphthylene	50.0000	0.0000	36.9514	74		50-105
2,6-Dinitrotoluene	50.0000	0.0000	38.1805	76		50-115
3-Nitroaniline	50.0000	0.0000	37.3809	75		20-125
Acenaphthene	50.0000	0.0000	36.8881	74		45-110
2,4-Dinitrophenol	50.0000	0.0000	33.9570	68		15-140
4-Nitrophenol	50.0000	0.0000	16.3219	33		0-125
Dibenzofuran	50.0000	0.0000	37.2155	74		55-105
2,4-Dinitrotoluene	50.0000	0.0000	37.7651	76		50-120
Diethylphthalate	50.0000	0.0000	37.9376	76		40-120
4-Chlorophenyl-phenylet	50.0000	0.0000	36.5533	73		50-110
Fluorene	50.0000	0.0000	37.5099	75		50-110
4-Nitroaniline	50.0000	0.0000	38.3781	77		35-120
4,6-Dinitro-2-methylphe	50.0000	0.0000	35.5876	71		40-130
N-Nitrosodiphenylamine	50.0000	0.0000	36.8221	74		50-110
4-Bromophenyl-phenyleth	50.0000	0.0000	35.8491	72		50-115
Hexachlorobenzene	50.0000	0.0000	35.1023	70		50-110
Pentachlorophenol	50.0000	0.0000	38.0354	76		40-115
Phenanthrene	50.0000	0.0000	37.3891	75		50-115
Anthracene	50.0000	0.0000	37.4860	75		55-110

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K

Carbazole	50.0000	0.0000	39.7513	80		50-115
Di-n-butylphthalate	50.0000	0.0000	38.5889	77		55-115
Fluoranthene	50.0000	0.0000	38.0905	76		55-115
Pyrene	50.0000	0.0000	35.9625	72		50-130
Butylbenzylphthalate	50.0000	0.0000	38.0282	76		45-115
3,3´-Dichlorobenzidine	50.0000	0.0000	21.6281	43		20-110
Benzo(a)anthracene	50.0000	0.0000	36.9386	74		55-110
Chrysene	50.0000	0.0000	38.8528	78		55-110
Bis(2-ethylhexyl)phthal	50.0000	5.2296	44.5402	79		40-125
Di-n-octylphthalate	50.0000	0.0000	37.4567	75		35-135
Benzo(b)fluoranthene	50.0000	0.0000	38.9087	78		45-120
Benzo(k)fluoranthene	50.0000	0.0000	35.6484	71		45-125
Benzo(a)pyrene	50.0000	0.0000	37.6148	75		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	38.3548	77		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	39.2559	79		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	39.0841	78		40-125
1,1´-Biphenyl	50.0000	0.0000	24.9015	50	*	55-108
1,2,4,5-Tetrachlorobenz	50.0000	0.0000	37.9265	76		38-170
Acetophenone	50.0000	0.0000	31.0592	62		56-145
Atrazine	50.0000	0.0000	43.8319	88		52-175
Benzaldehyde	50.0000	0.0000	48.4052	97		10-133
Caprolactam	50.0000	0.0000	11.3191	23		10-146

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	16.8891	34		16		0-30	0-115
Bis(2-chloroethyl)ether	50.0000	33.5194	67		19		0-30	35-110
2-Chlorophenol	50.0000	36.7284	73		16		0-30	35-105
2-Methylphenol	50.0000	34.0979	68		15		0-30	40-110
2,2´-oxybis(1-Chloropro	50.0000	38.9948	78		17		0-30	30-123
4-Methylphenol	50.0000	31.2461	62		14		0-30	30-110
N-Nitroso-di-n-propylam	50.0000	40.5183	81		15		0-30	35-130
Hexachloroethane	50.0000	36.9130	74		15		0-30	30-95
Nitrobenzene	50.0000	39.4532	79		15		0-30	45-110
Isophorone	50.0000	40.0398	80		17		0-30	50-110
2-Nitrophenol	50.0000	39.3266	79		15		0-30	40-115
2,4-Dimethylphenol	50.0000	38.2457	76		14		0-30	30-110
2,4-Dichlorophenol	50.0000	40.0885	80		15		0-30	50-105
Naphthalene	50.0000	40.1637	80		16		0-30	40-100
4-Chloroaniline	50.0000	31.8090	64		1		0-30	15-110
Bis(2-chloroethoxy)meth	50.0000	40.1050	80		16		0-30	45-105
Hexachlorobutadiene	50.0000	36.8518	74		15		0-30	25-105
4-Chloro-3-methylphenol	50.0000	39.7268	79		11		0-30	45-110
2-Methylnaphthalene	50.0000	35.0592	70		13		0-30	45-105
Hexachlorocyclopentadie	50.0000	27.1573	54		9		0-30	27-147
2,4,6-Trichlorophenol	50.0000	41.3916	83		13		0-30	50-115

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K

2,4,5-Trichlorophenol	50.0000	42.8198	86		12		0-30	50-110
2-Chloronaphthalene	50.0000	41.1964	82		14		0-30	50-105
2-Nitroaniline	50.0000	42.8380	86		12		0-30	50-115
Dimethylphthalate	50.0000	43.1341	86		14		0-30	25-125
Acenaphthylene	50.0000	42.2031	84		13		0-30	50-105
2,6-Dinitrotoluene	50.0000	43.4752	87		13		0-30	50-115
3-Nitroaniline	50.0000	41.7686	84		11		0-30	20-125
Acenaphthene	50.0000	42.2306	84		14		0-30	45-110
2,4-Dinitrophenol	50.0000	37.5645	75		10		0-30	15-140
4-Nitrophenol	50.0000	18.6493	37		13		0-30	0-125
Dibenzofuran	50.0000	42.1621	84		12		0-30	55-105
2,4-Dinitrotoluene	50.0000	43.0270	86		13		0-30	50-120
Diethylphthalate	50.0000	43.6099	87		14		0-30	40-120
4-Chlorophenyl-phenylet	50.0000	41.7271	83		13		0-30	50-110
Fluorene	50.0000	42.4067	85		12		0-30	50-110
4-Nitroaniline	50.0000	43.1263	86		12		0-30	35-120
4,6-Dinitro-2-methylphe	50.0000	39.6695	79		11		0-30	40-130
N-Nitrosodiphenylamine	50.0000	40.9249	82		11		0-30	50-110
4-Bromophenyl-phenyleth	50.0000	40.4105	81		12		0-30	50-115
Hexachlorobenzene	50.0000	39.4375	79		12		0-30	50-110
Pentachlorophenol	50.0000	42.9163	86		12		0-30	40-115
Phenanthrene	50.0000	41.4806	83		10		0-30	50-115
Anthracene	50.0000	41.7195	83		11		0-30	55-110
Carbazole	50.0000	44.7609	90		12		0-30	50-115
Di-n-butylphthalate	50.0000	42.8235	86		10		0-30	55-115
Fluoranthene	50.0000	42.2161	84		10		0-30	55-115
Pyrene	50.0000	40.0922	80		11		0-30	50-130
Butylbenzylphthalate	50.0000	41.5061	83		9		0-30	45-115
3,3´-Dichlorobenzidine	50.0000	19.5485	39		10		0-30	20-110
Benzo(a)anthracene	50.0000	41.0628	82		11		0-30	55-110
Chrysene	50.0000	42.4393	85		9		0-30	55-110
Bis(2-ethylhexyl)phthal	50.0000	43.1167	76		4		0-30	40-125
Di-n-octylphthalate	50.0000	41.8297	84		11		0-30	35-135
Benzo(b)fluoranthene	50.0000	41.0392	82		5		0-30	45-120
Benzo(k)fluoranthene	50.0000	42.6248	85		18		0-30	45-125
Benzo(a)pyrene	50.0000	42.0082	84		11		0-30	55-110
Indeno(1,2,3-cd)pyrene	50.0000	44.5285	89		15		0-30	45-125
Dibenzo(a,h)anthracene	50.0000	44.8674	90		13		0-30	40-125
Benzo(g,h,i)perylene	50.0000	44.4652	89		13		0-30	40-125
1,1´-Biphenyl	50.0000	28.4698	57		13		0-30	55-108
1,2,4,5-Tetrachlorobenz	50.0000	44.4155	89		16		0-30	38-170
Acetophenone	50.0000	36.7038	73		17		0-30	56-145
Atrazine	50.0000	52.0077	104		17		0-30	52-175
Benzaldehyde	50.0000	61.4193	123		24		0-30	10-133
Caprolactam	50.0000	13.5415	27		18		0-30	10-146

Column to be used to flag recovery and RPD values with an asterisk

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Matrix Spike - EPA Sample No.: MW K

* Values outside of QC limits

RPD: 0 out of 66 outside limits

Spike Recovery: 1 out of 132 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCS-84975 LCS Lot No.: NT00364

Date Extracted: 07/06/2016 Date Analyzed (1): 07/07/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	16.9846	34		0 - 115
Bis(2-chloroethyl)ether	50.0000	0.0000	32.3856	65		35 - 110
2-Chlorophenol	50.0000	0.0000	36.1555	72		35 - 105
2-Methylphenol	50.0000	0.0000	33.5872	67		40 - 110
2,2´-oxybis(1-Chloropropan	50.0000	0.0000	41.5121	83		30 - 123
4-Methylphenol	50.0000	0.0000	30.4387	61		30 - 110
N-Nitroso-di-n-propylamine	50.0000	0.0000	43.2586	87		35 - 130
Hexachloroethane	50.0000	0.0000	39.1327	78		30 - 95
Nitrobenzene	50.0000	0.0000	40.9233	82		45 - 110
Isophorone	50.0000	0.0000	41.5728	83		50 - 110
2-Nitrophenol	50.0000	0.0000	40.5415	81		40 - 115
2,4-Dimethylphenol	50.0000	0.0000	37.3567	75		30 - 110
2,4-Dichlorophenol	50.0000	0.0000	38.7827	78		50 - 105
Naphthalene	50.0000	0.0000	41.8589	84		40 - 100
4-Chloroaniline	50.0000	0.0000	41.6832	83		15 - 110
Bis(2-chloroethoxy)methane	50.0000	0.0000	42.4560	85		45 - 105
Hexachlorobutadiene	50.0000	0.0000	39.4295	79		25 - 105
4-Chloro-3-methylphenol	50.0000	0.0000	39.2029	78		45 - 110
2-Methylnaphthalene	50.0000	0.0000	36.3337	73		45 - 105
Hexachlorocyclopentadiene	50.0000	0.0000	30.3551	61		27 - 147
2,4,6-Trichlorophenol	50.0000	0.0000	41.5179	83		50 - 115
2,4,5-Trichlorophenol	50.0000	0.0000	42.3597	85		50 - 110
2-Chloronaphthalene	50.0000	0.0000	43.1833	86		50 - 105
2-Nitroaniline	50.0000	0.0000	43.6983	87		50 - 115
Dimethylphthalate	50.0000	0.0000	44.4126	89		25 - 125
Acenaphthylene	50.0000	0.0000	43.9516	88		50 - 105
2,6-Dinitrotoluene	50.0000	0.0000	45.4385	91		50 - 115
3-Nitroaniline	50.0000	0.0000	44.4740	89		20 - 125
Acenaphthene	50.0000	0.0000	44.2013	88		45 - 110
2,4-Dinitrophenol	50.0000	0.0000	29.1825	58		15 - 140
4-Nitrophenol	50.0000	0.0000	15.6255	31		0 - 125
Dibenzofuran	50.0000	0.0000	44.1089	88		55 - 105
2,4-Dinitrotoluene	50.0000	0.0000	45.1789	90		50 - 120
Diethylphthalate	50.0000	0.0000	44.6001	89		40 - 120
4-Chlorophenyl-phenylether	50.0000	0.0000	44.0178	88		50 - 110
Fluorene	50.0000	0.0000	45.2114	90		50 - 110
4-Nitroaniline	50.0000	0.0000	44.4403	89		35 - 120
4,6-Dinitro-2-methylphenol	50.0000	0.0000	38.6338	77		40 - 130
N-Nitrosodiphenylamine	50.0000	0.0000	42.5131	85		50 - 110
4-Bromophenyl-phenylether	50.0000	0.0000	42.5817	85		50 - 115
Hexachlorobenzene	50.0000	0.0000	42.5414	85		50 - 110
Pentachlorophenol	50.0000	0.0000	40.9548	82		40 - 115
Phenanthrene	50.0000	0.0000	44.0513	88		50 - 115
Anthracene	50.0000	0.0000	44.0447	88		55 - 110

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab Sample ID: LCS-84975 LCS Lot No.: NT00364

Date Extracted: 07/06/2016 Date Analyzed (1): 07/07/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Carbazole	50.0000	0.0000	45.8118	92		50 - 115
Di-n-butylphthalate	50.0000	0.0000	46.1115	92		55 - 115
Fluoranthene	50.0000	0.0000	46.1919	92		55 - 115
Pyrene	50.0000	0.0000	41.8411	84		50 - 130
Butylbenzylphthalate	50.0000	0.0000	44.2679	89		45 - 115
3,3´-Dichlorobenzidine	50.0000	0.0000	41.5236	83		20 - 110
Benzo(a)anthracene	50.0000	0.0000	44.2671	89		55 - 110
Chrysene	50.0000	0.0000	46.2152	92		55 - 110
Bis(2-ethylhexyl)phthalate	50.0000	0.0000	44.5004	89		40 - 125
Di-n-octylphthalate	50.0000	0.0000	45.6450	91		35 - 135
Benzo(b)fluoranthene	50.0000	0.0000	43.1200	86		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	47.4442	95		45 - 125
Benzo(a)pyrene	50.0000	0.0000	45.9296	92		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	47.3115	95		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	49.5582	99		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	50.1759	100		40 - 125
1,1´-Biphenyl	50.0000	0.0000	29.8552	60		55 - 108
1,2,4,5-Tetrachlorobenzene	50.0000	0.0000	46.0507	92		38 - 170
Acetophenone	50.0000	0.0000	38.5620	77		56 - 145
Atrazine	50.0000	0.0000	52.1642	104		52 - 175
Benzaldehyde	50.0000	0.0000	59.6902	119		10 - 133
Caprolactam	50.0000	0.0000	13.9646	28		10 - 146

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 66 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-84975

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

Lab File ID: S6C5602.D Lab Sample ID: MB-84975

Instrument ID: S6 Date Extracted: 07/06/2016

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/07/2016

Level: (LOW/MED) LOW Time Analyzed: 9:49

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-84975	LCS-84975	S6C5603.D	07/07/2016
02	MW B	R0615-01B	S6C5604.D	07/07/2016
03	MW C	R0615-02B	S6C5605.D	07/07/2016
04	MW D	R0615-03B	S6C5606.D	07/07/2016
05	MW E	R0615-04B	S6C5607.D	07/07/2016
06	MW F	R0615-05B	S6C5608.D	07/07/2016
07	MW G	R0615-06B	S6C5609.D	07/07/2016
08	MW H	R0615-07B	S6C5610.D	07/07/2016
09	MW I	R0615-08B	S6C5611.D	07/07/2016
10	MW J	R0615-09B	S6C5612.D	07/07/2016
11	MW K	R0615-10B	S6C5613.D	07/07/2016
12	MW KMS	R0615-10BMS	S6C5614.D	07/07/2016
13	MW KMSD	R0615-10BMSD	S6C5615.D	07/07/2016
14	MW L	R0615-11B	S6C5616.D	07/07/2016
15	MW M	R0615-12B	S6C5617.D	07/07/2016
16	MW N	R0615-13B	S6C5618.D	07/07/2016
17	FB	R0615-14B	S6C5619.D	07/07/2016

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/30/2016 06/30/2016

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/07/2016

Lab File ID (Standard): S6C5601.D Time Analyzed: 9:07

Instrument ID: S6

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	548334		3.946		2216296		5.473		1330561		7.577	
	UPPER LIMIT	1096668		4.446		4432592		5.973		2661122		8.077	
	LOWER LIMIT	274167		3.446		1108148		4.973		665281		7.077	
	SAMPLE NO.												
01	MB-84975	436543		3.945		1794395		5.467		1030247		7.571	
02	LCS-84975	406930		3.945		1652022		5.473		970062		7.576	
03	MW B	605985		3.945		2435810		5.473		1419804		7.576	
04	MW C	389212		3.945		1572339		5.467		926950		7.571	
05	MW D	465812		3.946		1857290		5.467		1074422		7.571	
06	MW E	437767		3.946		1776022		5.467		1018944		7.571	
07	MW F	426958		3.945		1754878		5.467		1016481		7.571	
08	MW G	538251		3.951		2127703		5.473		1216943		7.576	
09	MW H	511749		3.945		2040420		5.473		1304924		7.577	
10	MW I	591576		3.945		2371586		5.473		1419373		7.571	
11	MW J	422147		3.945		1689177		5.473		1004105		7.571	
12	MW K	428165		3.945		1726814		5.473		1010938		7.571	
13	MW KMS	514295		3.951		2056423		5.473		1191971		7.576	
14	MW KMSD	440618		3.951		1779442		5.473		1028563		7.577	
15	MW L	434728		3.945		1759775		5.467		1021573		7.571	

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.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/30/2016 06/30/2016

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/07/2016

Lab File ID (Standard): S6C5601.D Time Analyzed: 9:07

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	548334		3.946		2216296		5.473		1330561		7.577	
	UPPER LIMIT	1096668		4.446		4432592		5.973		2661122		8.077	
	LOWER LIMIT	274167		3.446		1108148		4.973		665281		7.077	
	SAMPLE NO.												
16	MW M	500473		3.945		2031506		5.473		1210771		7.571	
17	MW N	601229		3.945		2388464		5.473		1384110		7.571	
18	FB	535003		3.946		2163655		5.473		1250733		7.571	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/07/2016

Lab File ID (Standard): S6C5601.D Time Analyzed: 9:07

Instrument ID: S6 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2245527		9.339		2287842		12.506		2243528		14.087	
	UPPER LIMIT	4491054		9.839		4575684		13.006		4487056		14.587	
	LOWER LIMIT	1122764		8.839		1143921		12.006		1121764		13.587	
	SAMPLE NO.												
01	MB-84975	1783711		9.333		1755326		12.500		1699399		14.087	
02	LCS-84975	1675174		9.339		1772781		12.506		1660694		14.092	
03	MW B	2368490		9.339		2345829		12.506		2246377		14.087	
04	MW C	1603027		9.333		1668586		12.500		1633165		14.087	
05	MW D	1863616		9.333		1888400		12.500		1816329		14.087	
06	MW E	1795466		9.333		1821922		12.500		1765953		14.081	
07	MW F	1746819		9.333		1790149		12.500		1741915		14.087	
08	MW G	2019059		9.345		1962186		12.506		1841841		14.087	
09	MW H	1975489		9.351		1925797		12.512		1806976		14.093	
10	MW I	2329245		9.339		2272683		12.506		2172580		14.092	
11	MW J	1706642		9.333		1749542		12.500		1677915		14.087	
12	MW K	1751394		9.333		1758499		12.500		1717352		14.087	
13	MW KMS	2023251		9.339		2075561		12.506		1959120		14.092	
14	MW KMSD	1777728		9.339		1832373		12.506		1718358		14.087	
15	MW L	1780447		9.333		1798551		12.500		1720510		14.087	

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.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0615 Mod. Ref No.: SDG No.: SR0615

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/07/2016

Lab File ID (Standard): S6C5601.D Time Analyzed: 9:07

Instrument ID: S6 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2245527		9.339		2287842		12.506		2243528		14.087	
	UPPER LIMIT	4491054		9.839		4575684		13.006		4487056		14.587	
	LOWER LIMIT	1122764		8.839		1143921		12.006		1121764		13.587	
	SAMPLE NO.												
16	MW M	2051445		9.339		2085050		12.500		2036142		14.087	
17	MW N	2377397		9.339		2370025		12.500		2269596		14.087	
18	FB	2145142		9.333		2147857		12.500		2049181		14.087	

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

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0615

SW846 6010C, SW846 7470A

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 codes: SW846 6010C, SW846 7470A

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW7470A

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA4
Instrument Type: ICP
Description: Optima 8300 ICP-OES
Manufacturer: Perkin-Elmer
Model: Optima 8300 ICP-OES

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 spikes were performed on sample: MW K (R0615-10CMS).

Percent recoveries were within the QC limits. Calcium was present in the native sample at a level over 4 times that of the matrix spike therefore no additional corrective action is needed for the high recovery.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

Duplicate analyses were performed on sample: MW K (R0615-10CDUP).

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: MW K (R0615-10CSD).

Percent differences were within the QC limits.

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 Eurofins Spectrum Analytical, Inc. 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: 07/18/16

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET FB

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-14

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	5.1	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	0.88	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	474	B		P
7440-47-3	Chromium	0.78	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	47.0	U		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	93.3	B		P
7439-96-5	Manganese	1.2	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.2	U		P
7440-09-7	Potassium	92.0	U		P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	751	B		P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.17	B		P
7440-66-6	Zinc	3.2	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW B

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-01

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	15.5	B		P
7440-38-2	Arsenic	9.7	B		P
7440-39-3	Barium	143	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	330000			P
7440-47-3	Chromium	3.7	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	631			P
7439-92-1	Lead	7.2	B		P
7439-95-4	Magnesium	19200			P
7439-96-5	Manganese	2560			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.7	B		P
7440-09-7	Potassium	6240			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	236000			P
7440-28-0	Thallium	12.2	B		P
7440-62-2	Vanadium	0.38	B		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW C

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-02

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	8.4	B		P
7440-38-2	Arsenic	9.1	B		P
7440-39-3	Barium	146	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	79700			P
7440-47-3	Chromium	2.8	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	47.0	U		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	13300			P
7439-96-5	Manganese	1.3	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	2820			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	76600			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW D

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-03

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	13.3	B		P
7440-38-2	Arsenic	12.0	B		P
7440-39-3	Barium	248			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	132000			P
7440-47-3	Chromium	3.2	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	104	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	21300			P
7439-96-5	Manganese	577			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	4880			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	113000			P
7440-28-0	Thallium	3.5	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW E

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-04

Level (low/med): MED Date Received: 07/06/2016

% 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	690			P
7440-36-0	Antimony	11.3	B		P
7440-38-2	Arsenic	9.7	B		P
7440-39-3	Barium	253			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	145000			P
7440-47-3	Chromium	4.7	B		P
7440-48-4	Cobalt	0.81	B		P
7440-50-8	Copper	5.4	B		P
7439-89-6	Iron	1140			P
7439-92-1	Lead	4.8	B		P
7439-95-4	Magnesium	25500			P
7439-96-5	Manganese	75.7			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	4040			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	130000			P
7440-28-0	Thallium	3.4	B		P
7440-62-2	Vanadium	0.39	B		P
7440-66-6	Zinc	8.7	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW F

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-05

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	21.4			P
7440-38-2	Arsenic	7.3	B		P
7440-39-3	Barium	40.0	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	344000			P
7440-47-3	Chromium	3.9	B		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	3.5	B		P
7439-89-6	Iron	153	B		P
7439-92-1	Lead	7.2	B		P
7439-95-4	Magnesium	15000			P
7439-96-5	Manganese	2410			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	3440			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	118000			P
7440-28-0	Thallium	11.6	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	306			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW G

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-06

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	16.0	B		P
7440-38-2	Arsenic	8.2	B		P
7440-39-3	Barium	793			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	267000			P
7440-47-3	Chromium	4.2	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	51.7	B		P
7439-92-1	Lead	5.3	B		P
7439-95-4	Magnesium	29200			P
7439-96-5	Manganese	627			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	7680			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	180000			P
7440-28-0	Thallium	6.0	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW H

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-07

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	15.3	B		P
7440-38-2	Arsenic	8.0	B		P
7440-39-3	Barium	413			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	302000			P
7440-47-3	Chromium	4.7	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	166	B		P
7439-92-1	Lead	7.8	B		P
7439-95-4	Magnesium	37600			P
7439-96-5	Manganese	574			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	4.1	B		P
7440-09-7	Potassium	12000			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	321000			P
7440-28-0	Thallium	9.4	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW I

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-08

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	16.4	B		P
7440-38-2	Arsenic	10.5	B		P
7440-39-3	Barium	1350			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	196000			P
7440-47-3	Chromium	3.4	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	1970			P
7439-92-1	Lead	5.2	B		P
7439-95-4	Magnesium	19600			P
7439-96-5	Manganese	908			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	4380			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	178000			P
7440-28-0	Thallium	7.1	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW J

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-09

Level (low/med): MED Date Received: 07/06/2016

% 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	34.6	B		P
7440-36-0	Antimony	12.5	B		P
7440-38-2	Arsenic	8.9	B		P
7440-39-3	Barium	224			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	146000			P
7440-47-3	Chromium	3.5	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	71.0	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	24300			P
7439-96-5	Manganese	30.0	B		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	3850			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	132000			P
7440-28-0	Thallium	4.1	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW K

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-10

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	12.4	B		P
7440-38-2	Arsenic	12.6	B		P
7440-39-3	Barium	792			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	152000			P
7440-47-3	Chromium	3.2	B		P
7440-48-4	Cobalt	0.84	B		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	179	B		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	23700			P
7439-96-5	Manganese	3070			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	5.8	B		P
7440-09-7	Potassium	3330			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	85700			P
7440-28-0	Thallium	8.2	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW L

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-11

Level (low/med): MED Date Received: 07/06/2016

% 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	173	B		P
7440-36-0	Antimony	15.8	B		P
7440-38-2	Arsenic	11.6	B		P
7440-39-3	Barium	213			P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	148000			P
7440-47-3	Chromium	3.7	B		P
7440-48-4	Cobalt	0.96	B		P
7440-50-8	Copper	3.8	B		P
7439-89-6	Iron	383			P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	25600			P
7439-96-5	Manganese	311			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	4.0	B		P
7440-09-7	Potassium	3840			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	136000			P
7440-28-0	Thallium	3.8	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	4.4	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW M

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-12

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	18.1	B		P
7440-38-2	Arsenic	8.7	B		P
7440-39-3	Barium	156	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	368000			P
7440-47-3	Chromium	3.8	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	443			P
7439-92-1	Lead	7.8	B		P
7439-95-4	Magnesium	27600			P
7439-96-5	Manganese	1650			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	3.9	B		P
7440-09-7	Potassium	19700			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	972000			P
7440-28-0	Thallium	12.7	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW N

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Matrix (soil/water): WATER Lab Sample ID: R0615-13

Level (low/med): MED Date Received: 07/06/2016

% 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	11.0	U		P
7440-36-0	Antimony	13.5	B		P
7440-38-2	Arsenic	8.7	B		P
7440-39-3	Barium	200	B		P
7440-41-7	Beryllium	0.054	U		P
7440-43-9	Cadmium	0.53	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	10.7	B		P
7440-48-4	Cobalt	0.36	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	47.0	U		P
7439-92-1	Lead	4.5	U		P
7439-95-4	Magnesium	21400			P
7439-96-5	Manganese	190			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	4310			P
7782-49-2	Selenium	7.8	U		P
7440-22-4	Silver	2.7	U		P
7440-23-5	Sodium	131000			P
7440-28-0	Thallium	2.9	B		P
7440-62-2	Vanadium	0.16	U		P
7440-66-6	Zinc	3.2	U		P

Comments:

7

LABORATORY CONTROL SAMPLE

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-84980

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	10000.0	10300.26	103.0						
Antimony	500.0	582.78	116.6						
Arsenic	500.0	546.38	109.3						
Barium	10000.0	10573.41	105.7						
Beryllium	250.0	271.00	108.4						
Cadmium	250.0	267.54	107.0						
Calcium	25000.0	25135.07	100.5						
Chromium	1000.0	1058.71	105.9						
Cobalt	2500.0	2680.60	107.2						
Copper	1250.0	1346.81	107.7						
Iron	5000.0	5230.34	104.6						
Lead	500.0	544.31	108.9						
Magnesium	25000.0	27208.02	108.8						
Manganese	2500.0	2678.05	107.1						
Nickel	2500.0	2675.93	107.0						
Potassium	25000.0	25975.40	103.9						
Selenium	500.0	556.63	111.3						
Silver	1250.0	1315.34	105.2						
Sodium	25000.0	25742.44	103.0						
Thallium	500.0	539.58	107.9						
Vanadium	2500.0	2608.28	104.3						
Zinc	2500.0	2723.11	108.9						

LABORATORY CONTROL SAMPLE

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-84989

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.75	103.3						

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW KS

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

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	10200		11.0	U	10000	102		P
Antimony	75-125	565		12.4	B	500	110		P
Arsenic	75-125	534		12.6	B	500	104		P
Barium	75-125	10500		792		10000	97		P
Beryllium	75-125	255		0.054	U	250	102		P
Cadmium	75-125	256		0.53	U	250	102		P
Calcium		182000		152000		25000	121		P
Chromium	75-125	995		3.2	B	1000	99		P
Cobalt	75-125	2470		0.84	B	2500	99		P
Copper	75-125	1290		2.8	B	1250	103		P
Iron	75-125	5010		179	B	5000	97		P
Lead	75-125	503		4.5	U	500	101		P
Magnesium	75-125	50500		23700		25000	107		P
Manganese	75-125	5620		3070		2500	102		P
Nickel	75-125	2460		5.8	B	2500	98		P
Potassium	75-125	28700		3330		25000	102		P
Selenium	75-125	507		7.8	U	500	102		P
Silver	75-125	1260		2.7	U	1250	101		P
Sodium	75-125	112000		85700		25000	106		P
Thallium	75-125	496		8.2	B	500	98		P
Vanadium	75-125	2500		0.16	U	2500	100		P
Zinc	75-125	2490		3.2	U	2500	100		P
Mercury	75-125	5.0		0.028	U	4.6	111		CV

Comments:

6

DUPLICATES

EPA SAMPLE NO.

MW KD

Lab Name: Eurofins Spectrum Analytical, Inc. Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

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		11.0000	U	11.0000	U			P
Antimony		12.3943	B	12.2860	B	0.9		P
Arsenic		12.5978	B	14.3051	B	12.7		P
Barium	200.0	792.0454		825.5781		4.1		P
Beryllium		0.0540	U	0.0540	U			P
Cadmium		0.5300	U	0.5300	U			P
Calcium		151672.7684		158332.4897		4.3		P
Chromium		3.1871	B	3.4679	B	8.4		P
Cobalt		0.8434	B	0.7501	B	11.7		P
Copper		2.8123	B	2.9185	B	3.7		P
Iron		179.4371	B	187.7601	B	4.5		P
Lead		4.5000	U	4.5000	U			P
Magnesium		23674.3103		24729.2917		4.4		P
Manganese		3072.0055		3218.3419		4.7		P
Nickel		5.7668	B	5.6163	B	2.6		P
Potassium	1000.0	3325.4450		3475.2321		4.4		P
Selenium		7.8000	U	7.8000	U			P
Silver		2.7000	U	2.7000	U			P
Sodium		85672.3561		89781.0502		4.7		P
Thallium		8.2176	B	4.9259	B	50.1		P
Vanadium		0.1600	U	0.1600	U			P
Zinc		3.2000	U	3.2000	U			P
Mercury		0.0280	U	0.0280	U			CV

3

BLANKS

Lab Name: Eurofins Spectrum Analytical, Inc Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-84989**

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

FIMS2_160711A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/11/16 10:49	C	07/11/16 11:04	C	07/11/16 11:18	C		C	M
Mercury	-0.030	B	0.028	U	0.028	U	0.028	U	0.028	U	CV

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3

BLANKS

Lab Name: Eurofins Spectrum Analytical, Inc Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Preparation Blank Matrix (soil/water): Method Blank ID:

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

FIMS2_160711A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/11/16 11:24	C		C		C		C	M
Mercury			0.028	U							CV

Lab Name: Eurofins Spectrum Analytical, Inc Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-84980**

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

OPTIMA4_160708C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/08/16 11:09	C	07/08/16 11:42	C	07/08/16 12:23	C	Preparation Blank	C	M
Aluminum	11.0	U	24.0	B	11.0	U	11.0	U	11.000	U	P
Antimony	5.1	U	5.1	U	5.1	U	5.1	U	5.180	B	P
Arsenic	3.9	U	3.9	U	3.9	U	3.9	U	3.900	U	P
Barium	1.9	B	2.3	B	2.2	B	1.6	B	0.730	U	P
Beryllium	0.1	U	0.1	U	0.1	B	0.1	U	0.054	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.530	U	P
Calcium	52.0	U	70.9	B	52.2	B	52.0	U	52.000	U	P
Chromium	0.4	B	0.4	B	0.4	B	0.4	B	0.264	B	P
Cobalt	0.5	B	0.6	B	0.5	B	0.4	U	0.360	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Iron	47.0	U	47.0	U	47.0	U	47.0	U	47.000	U	P
Lead	4.5	U	4.5	U	4.5	U	4.5	U	4.500	U	P
Magnesium	6.4	B	33.2	B	7.5	B	5.2	U	5.200	U	P
Manganese	0.6	U	0.6	B	0.6	B	0.6	U	0.610	U	P
Nickel	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Potassium	92.0	U	92.0	U	92.0	U	92.0	U	92.000	U	P
Selenium	7.8	U	7.8	U	7.8	U	7.8	U	7.800	U	P
Silver	2.7	U	2.7	U	2.7	U	2.7	U	2.700	U	P
Sodium	29.9	B	31.1	B	89.7	B	94.3	B	15.000	U	P
Thallium	2.4	U	2.4	U	2.4	U	2.4	U	2.400	U	P
Vanadium	0.7	B	0.7	B	0.7	B	0.4	B	0.160	U	P
Zinc	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P

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3

BLANKS

Lab Name: Eurofins Spectrum Analytical, Inc Contract: --

Lab Code: ESAI-RI Case No.: SAS No.: SDG No.: SR0615

Preparation Blank Matrix (soil/water): Method Blank ID:

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

OPTIMA4_160708C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/08/16 12:49	C		C		C	Preparation Blank	C	M
Aluminum			11.0	U							P
Antimony			5.1	U							P
Arsenic			3.9	U							P
Barium			1.3	B							P
Beryllium			0.1	U							P
Cadmium			0.5	U							P
Calcium			52.0	U							P
Chromium			0.4	B							P
Cobalt			0.4	B							P
Copper			1.2	U							P
Iron			47.0	U							P
Lead			4.5	U							P
Magnesium			5.5	B							P
Manganese			0.6	U							P
Nickel			1.2	U							P
Potassium			92.0	U							P
Selenium			7.8	U							P
Silver			2.7	U							P
Sodium			144.3	B	83.1	B					P
Thallium			2.4	U							P
Vanadium			0.4	B							P
Zinc			3.2	U							P

eurofins | Spectrum Analytical

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Report Date:
24-Oct-16 13:25

Laboratory Report

Day Environmental, Inc
1563 Lyell Avenue
Rochester, NY 14606

Work Order: R0915
Project : 211 Franklin Street
Project #: 48845-13

Attn: Ray Kampff

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
R0915-01	MW B	Aqueous	27-Sep-16 13:10	30-Sep-16 12:17
R0915-02	MW C	Aqueous	27-Sep-16 12:17	30-Sep-16 12:17
R0915-03	MW D	Aqueous	27-Sep-16 10:56	30-Sep-16 12:17
R0915-04	MW E	Aqueous	27-Sep-16 14:09	30-Sep-16 12:17
R0915-05	MW F	Aqueous	27-Sep-16 17:03	30-Sep-16 12:17
R0915-06	MW G	Aqueous	27-Sep-16 11:25	30-Sep-16 12:17
R0915-07	MW H	Aqueous	27-Sep-16 09:30	30-Sep-16 12:17
R0915-08	MW I	Aqueous	27-Sep-16 16:03	30-Sep-16 12:17
R0915-09	MW J	Aqueous	27-Sep-16 10:00	30-Sep-16 12:17
R0915-10	MW K	Aqueous	27-Sep-16 13:13	30-Sep-16 12:17
R0915-11	MW L	Aqueous	27-Sep-16 15:01	30-Sep-16 12:17
R0915-12	MW M	Aqueous	27-Sep-16 14:55	30-Sep-16 12:17
R0915-13	MW N	Aqueous	27-Sep-16 07:45	30-Sep-16 12:17
R0915-14	FB-9/28/16	Aqueous	28-Sep-16 12:00	30-Sep-16 12:17
R0915-15	TB	Aqueous	28-Sep-16 00:00	30-Sep-16 12:17

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 Eurofins Spectrum Analytical, Inc.

All applicable NELAC or USEPA CLP requirements have been met.

Use of the NELAP logo does not insure that Eurofins Spectrum Analytical is currently accredited for the specific test method or analyte. Please refer to our Quality page of our web site at www.EurofinsUS.com for the current list of certifications and fields of accreditation.

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

Certification List:

Connecticut	PH-0153
Florida	E87664
Massachusetts	M-RI907
New Hampshire	2060
New Jersey	RI001
New York	11522
Rhode Island	LAI00349
USDA	P330-16-00031
USEPA - ISM	EP-W-14-032
USEPA - SOM	EP-W-14-032
Dod ELAP	L2247

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Dawn E Wojcik

Dawn Wojcik
Laboratory Director

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 48845-13 **SDG :** R0915

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW B	R0915-01	SW8260_W	SW8270_W		SW6010_W	
MW B	R0915-01				SW7470	
MW C	R0915-02	SW8260_W	SW8270_W		SW6010_W	
MW C	R0915-02				SW7470	
MW D	R0915-03	SW8260_W	SW8270_W		SW6010_W	
MW D	R0915-03				SW7470	
MW E	R0915-04	SW8260_W	SW8270_W		SW6010_W	
MW E	R0915-04				SW7470	
MW F	R0915-05	SW8260_W	SW8270_W		SW6010_W	
MW F	R0915-05				SW7470	
MW G	R0915-06	SW8260_W	SW8270_W		SW6010_W	
MW G	R0915-06				SW7470	
MW H	R0915-07	SW8260_W	SW8270_W		SW6010_W	
MW H	R0915-07				SW7470	
MW I	R0915-08	SW8260_W	SW8270_W		SW6010_W	
MW I	R0915-08				SW7470	
MW J	R0915-09	SW8260_W	SW8270_W		SW6010_W	
MW J	R0915-09				SW7470	
MW K	R0915-10	SW8260_W	SW8270_W		SW6010_W	
MW K	R0915-10				SW7470	
MW L	R0915-11	SW8260_W	SW8270_W		SW6010_W	
MW L	R0915-11				SW7470	
MW M	R0915-12	SW8260_W	SW8270_W		SW6010_W	
MW M	R0915-12				SW7470	
MW N	R0915-13	SW8260_W	SW8270_W		SW6010_W	
MW N	R0915-13				SW7470	
FB-9/28/16	R0915-14	SW8260_W	SW8270_W		SW6010_W	
FB-9/28/16	R0915-14				SW7470	
TB	R0915-15	SW8260_W				

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 48845-13 **SDG :** R0915

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
R0915-01C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-02C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-03C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-04C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-05C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-06C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-07C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-08C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-09C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-09CMS	AQ	9/27/2016	9/30/2016	NA	
R0915-09CMSD	AQ	9/27/2016	9/30/2016	NA	
R0915-10C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-11C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-12C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-13C	AQ	9/27/2016	9/30/2016	NA	10/10/2016
R0915-14C	AQ	9/28/2016	9/30/2016	NA	10/10/2016
R0915-15A	AQ	9/28/2016	9/30/2016	NA	10/10/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 48845-13 **SDG :** R0915

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
R0915-01A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-02A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-03A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-04A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-05A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-06A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-07A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-08A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-09A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-09AMS	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-09AMSD	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-10A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-11A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-12A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-13A	AQ	9/27/2016	9/30/2016	10/4/2016	10/19/2016
R0915-14A	AQ	9/28/2016	9/30/2016	10/4/2016	10/19/2016

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 48845-13 **SDG :** R0915

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
R0915-01C	AQ	SW8260_W	NA	LOW	1
R0915-02C	AQ	SW8260_W	NA	LOW	1
R0915-03C	AQ	SW8260_W	NA	LOW	1
R0915-04C	AQ	SW8260_W	NA	LOW	1
R0915-05C	AQ	SW8260_W	NA	LOW	1
R0915-06C	AQ	SW8260_W	NA	LOW	1
R0915-07C	AQ	SW8260_W	NA	LOW	1
R0915-08C	AQ	SW8260_W	NA	LOW	1
R0915-09C	AQ	SW8260_W	NA	LOW	1
R0915-09CMS	AQ	SW8260_W	NA	LOW	1
R0915-09CMSD	AQ	SW8260_W	NA	LOW	1
R0915-10C	AQ	SW8260_W	NA	LOW	1
R0915-11C	AQ	SW8260_W	NA	LOW	1
R0915-12C	AQ	SW8260_W	NA	LOW	1
R0915-13C	AQ	SW8260_W	NA	LOW	1
R0915-14C	AQ	SW8260_W	NA	LOW	1
R0915-15A	AQ	SW8260_W	NA	LOW	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

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

Project Name : 211 Franklin Street -- 48845-13 **SDG :** R0915

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
R0915-01A	AQ	SW8270_W	3510C	NA	1
R0915-02A	AQ	SW8270_W	3510C	NA	1
R0915-03A	AQ	SW8270_W	3510C	NA	1
R0915-04A	AQ	SW8270_W	3510C	NA	1
R0915-05A	AQ	SW8270_W	3510C	NA	1
R0915-06A	AQ	SW8270_W	3510C	NA	1
R0915-07A	AQ	SW8270_W	3510C	NA	1
R0915-08A	AQ	SW8270_W	3510C	NA	1
R0915-09A	AQ	SW8270_W	3510C	NA	1
R0915-09AMS	AQ	SW8270_W	3510C	NA	1
R0915-09AMSD	AQ	SW8270_W	3510C	NA	1
R0915-10A	AQ	SW8270_W	3510C	NA	1
R0915-11A	AQ	SW8270_W	3510C	NA	1
R0915-12A	AQ	SW8270_W	3510C	NA	1
R0915-13A	AQ	SW8270_W	3510C	NA	1
R0915-14A	AQ	SW8270_W	3510C	NA	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0915

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 48845-13
Comments: N/A

Case:
SDG:
PO:

HC Due: 10/12/2016
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0915-01A	MW B	09/27/2016 13:10	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-01B	MW B	09/27/2016 13:10	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-01B	MW B	09/27/2016 13:10	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-01C	MW B	09/27/2016 13:10	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-02A	MW C	09/27/2016 12:17	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-02B	MW C	09/27/2016 12:17	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-02B	MW C	09/27/2016 12:17	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-02C	MW C	09/27/2016 12:17	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-03A	MW D	09/27/2016 10:56	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-03B	MW D	09/27/2016 10:56	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-03B	MW D	09/27/2016 10:56	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-03C	MW D	09/27/2016 10:56	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-04A	MW E	09/27/2016 14:09	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-04B	MW E	09/27/2016 14:09	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-04B	MW E	09/27/2016 14:09	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-04C	MW E	09/27/2016 14:09	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-05A	MW F	09/27/2016 17:03	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-05B	MW F	09/27/2016 17:03	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-05B	MW F	09/27/2016 17:03	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4

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

HT = Test logged in but has been placed on hold

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0915

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 48845-13
Comments: N/A

Case:
SDG:
PO:

HC Due: 10/12/2016
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0915-05C	MW F	09/27/2016 17:03	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-06A	MW G	09/27/2016 11:25	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-06B	MW G	09/27/2016 11:25	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-06B	MW G	09/27/2016 11:25	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-06C	MW G	09/27/2016 11:25	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-07A	MW H	09/27/2016 09:30	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-07B	MW H	09/27/2016 09:30	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-07B	MW H	09/27/2016 09:30	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-07C	MW H	09/27/2016 09:30	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-08A	MW I	09/27/2016 16:03	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-08B	MW I	09/27/2016 16:03	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-08B	MW I	09/27/2016 16:03	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-08C	MW I	09/27/2016 16:03	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-09A	MW J	09/27/2016 10:00	09/30/2016	Aqueous	SW8270_W	/ +TICs			Y	Y	I2
R0915-09B	MW J	09/27/2016 10:00	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL			Y	Y	M4
R0915-09B	MW J	09/27/2016 10:00	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL			Y		M4
R0915-09C	MW J	09/27/2016 10:00	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs			Y	Y	VOA
R0915-10A	MW K	09/27/2016 13:13	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-10B	MW K	09/27/2016 13:13	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4

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

HT = Test logged in but has been placed on hold

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: R0915

Client ID: DAY
Project: 211 Franklin Street
WO Name: 211 Franklin Street
Location: DAY_FRANKLIN, 48845-13
Comments: N/A

Case:
SDG:
PO:

HC Due: 10/12/2016
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3
SAIRI_REGLIMIT3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
R0915-10B	MW K	09/27/2016 13:13	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-10C	MW K	09/27/2016 13:13	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-11A	MW L	09/27/2016 15:01	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-11B	MW L	09/27/2016 15:01	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-11B	MW L	09/27/2016 15:01	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-11C	MW L	09/27/2016 15:01	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-12A	MW M	09/27/2016 14:55	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-12B	MW M	09/27/2016 14:55	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-12B	MW M	09/27/2016 14:55	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-12C	MW M	09/27/2016 14:55	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-13A	MW N	09/27/2016 07:45	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-13B	MW N	09/27/2016 07:45	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-13B	MW N	09/27/2016 07:45	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-13C	MW N	09/27/2016 07:45	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-14A	FB-9/28/16	09/28/2016 12:00	09/30/2016	Aqueous	SW8270_W	/ +TICs				Y	I2
R0915-14B	FB-9/28/16	09/28/2016 12:00	09/30/2016	Aqueous	SW6010_W	/ SPECTRUM--TAL				Y	M4
R0915-14B	FB-9/28/16	09/28/2016 12:00	09/30/2016	Aqueous	SW7470	/ SPECTRUM--TAL					M4
R0915-14C	FB-9/28/16	09/28/2016 12:00	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA
R0915-15A	TB	09/28/2016 00:00	09/30/2016	Aqueous	SW8260_W	/ SPECTRUM--+TICs				Y	VOA

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

HT = Test logged in but has been placed on hold

Sample Transmittal Documentation

R535

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☒ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: ____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Day Environmental, 1563 Lyell Avenue, Rochester NY

Telephone #: 585-454-0210

Project Mgr: Ray Kampff

Invoice To: Same

P.O No.: ____ Quote #: ____

Project No: 4884S-13

Site Name: 211 Franklin St

Location: Olean State: NY

Sampler(s): Tom Rostak, Charles Hampton, Cat Denison

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=____ 12=____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=____ X2=____ X3=____

G= Grab C=Compsite

List Preservative Code below: 2 (TCL VOCs+TICs), 4 (TAL Metals)

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOCs+TICs	TCL SVOCs+TICs	TAL Metals	Check if chlorinated	
	MWB	9.27.16	13:10	G	GW	3	1		1	X	X	X	☐	
	MWC	9.27.16	12:17	G	GW	3	1		1	X	X	X	☐	
	MWD	9.27.16	10:56	G	GW	3	1		1	X	X	X	☐	
	MWE	9.27.16	14:09	G	GW	3	1		1	X	X	X	☐	
	MWF	9.27.16	17:03	G	GW	3	1		1	X	X	X	☐	
	MWG	9.27.16	11:25	G	GW	3	1		1	X	X	X	☐	
	MWH	9.27.16	9:30	G	GW	3	1		1	X	X	X	☐	
	MWI	9.27.16	16:03	G	GW	3	1		1	X	X	X	☐	
	MWJ	9.27.16	10:00	G	GW	9	3		3	X	X	X	☐	MS/MSD
	MWK	9.27.16	13:13	G	GW	3	1		1	X	X	X	☐	

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: ____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
	Tom Copozzi	9/28/16	13:10	Observed 3.4
Catolin Denison	[signature] 9/29/16			Correction Factor -1
Tom Copozzi	[signature]	9/29/16	1400	Corrected 2.4
[signature] 9/30/16 8:05	[signature]	9/30/16	12:17p	IR ID 01

☒ EDD format: NYSDEC EQuIS

☒ E-mail to: rkampff@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

0.4 / 10 / 10.4 IR 3 9/28/16

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum (1.8°C IR SB) Rev. Sep 2015 (2.0°C IR)

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- [X] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental, 1563 Lyell Ave, Rochester, NY
Telephone #: 585-454-0210
Project Mgr: Ray Kampff

Invoice To: SAME
P.O No.:
Quote #:

Project No: 4884 S-13
Site Name: 211 Franklin St
Location: Olean State: NY
Sampler(s): Tom Roszak, Charles Hampton, Cat Demian

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below: 2 (TCL VOC + TIC), 4 (TAL Metals)

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOC + TIC	TCL SVOC + TIC	TAL Metals	Check if chlorinated
	MW-L	9.29.16	15:01	G	GW	3	1		1	X	X	X	☐
	MW-M	↓	14:55	G	GW	3	1		1	X	X	X	☐
	MW-N	↓	7:45	G	GW	3	1		1	X	X	X	☐
	FB-9/28/16	9.28.16	12:00	C	X1	3	1		1	X	X	X	☐
	TB	~~9.28.16~~	—	G	X1	2				X			☐
													☐
													☐
													☐
													☐
													☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Cat Demian	Tom Roszak	9/28/16	13:10
Tom Roszak	[signature]	9/29/16	1400
Quinta Dec 9/30/16 8:05	[signature]	9/30/16	12:17p

Temp °C: Observed 3.4; Correction Factor -1; Corrected 2.4; IR ID # 01

☒ EDD format: NYSDEC Equis
☒ E-mail to: rkampff@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

0.4 / 0.1 / 0.4 IR3 CAS 9/29/16 (1.8°C IR) (2.0°C IR)

* Semivolatile Organics *

REPORT NARRATIVE

Eurofins Spectrum Analytical, Inc.

Client : Day Environmental, Inc

Project: 211 Franklin Street

Laboratory Workorder / SDG #: R0915

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

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI
Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973

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.

MW B (R0915-01A), recovery is below criteria for Terphenyl-d14 at 30% with criteria of (50-135).

MW C (R0915-02A), recovery is below criteria for Terphenyl-d14 at 37% with criteria of (50-135).

MW D (R0915-03A), recovery is below criteria for 2,4,6-Tribromophenol at 13% with criteria of (40-125), 2-Fluorobiphenyl at 11% with criteria of (50-110), 2-Fluorophenol at 6% with criteria of (20-110), Nitrobenzene-d5 at 11% with criteria of (40-110), Phenol-d5 at 4% with criteria of (10-115) and Terphenyl-d14 at 5% with criteria of (50-135) due to limited sample volume the sample could not be re-extracted.

MW E (R0915-04A), recovery is below criteria for Terphenyl-d14 at 38% with criteria of (50-135).

MW F (R0915-05A), recovery is below criteria for Terphenyl-d14 at 18% with criteria of (50-135).

MW G (R0915-06A), recovery is below criteria for 2,4,6-Tribromophenol at 36% with criteria of (40-125), 2-Fluorobiphenyl at 46% with criteria of (50-110) and Terphenyl-d14 at 12% with criteria of (50-135) due to limited sample volume the sample could not be re-extracted.

MW H (R0915-07A), recovery is below criteria for Terphenyl-d14 at 31% with criteria of (50-135).

MW I (R0915-08A), recovery is below criteria for Terphenyl-d14 at 26% with criteria of (50-135).

MW J (R0915-09A), recovery is below criteria for 2-Fluorobiphenyl at 47% with criteria of (50-110) and Terphenyl-d14 at 24% with criteria of (50-135).

MW J (R0915-09AMS), recovery is below criteria for Terphenyl-d14 at 35% with criteria of (50-135).

MW J (R0915-09AMSD), recovery is below criteria for Terphenyl-d14 at 39% with criteria of (50-135).

MW K (R0915-10A), recovery is below criteria for Terphenyl-d14 at 32% with criteria of (50-135).

MW L (R0915-11A), recovery is below criteria for Terphenyl-d14 at 40% with criteria of (50-135).

MW M (R0915-12A), recovery is below criteria for Terphenyl-d14 at 29% with criteria of (50-135).

MW N (R0915-13A), recovery is below criteria for Terphenyl-d14 at 25% with criteria of (50-135).

FB-9/28/16 (R0915-14A), recovery is below criteria for 2,4,6-Tribromophenol at 19% with criteria of (40-125), 2-Fluorobiphenyl at 36% with criteria of (50-110), 2-Fluorophenol at 12% with criteria of (20-110), Nitrobenzene-d5 at 35% with criteria of (40-110), Phenol-d5 at 10% with criteria of (10-115) and Terphenyl-d14 at 16% with criteria of (50-135) due to limited sample volume the sample could not be re-extracted.

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.

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

Matrix spikes were performed on samples: MW J (R0915-09AMS) and MW J (R0915-09AMSD).

Percent recoveries were within the QC limits with the following exceptions:

MW J (R0915-09AMS), recovery is below criteria for 2-Methylphenol at 38% with criteria of (40-110).

Replicate RPDs were within the advisory QC limits with the exception of the following:

MW J (R0915-09AMSD), Relative Percent Difference is greater than RPD limit for 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Chloroaniline, 4-Methylphenol, 4-Nitrophenol, Hexachlorocyclopentadiene.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

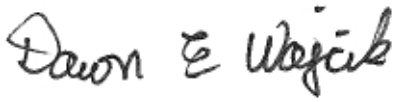
G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Eurofins Spectrum Analytical, Inc. 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:_____10/24/16_____

Data Flag/Qualifiers (Page 1 of 2):

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 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 an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

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.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above 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.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8026.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8026.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW B

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8026.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (5.01860)	5.019	5.8	J
02		Unknown (5.90005)	5.900	6.7	J
03		Unknown (6.04963)	6.050	7.7	J
04	32281-65-5	1(2H)-Naphthalenone, 3,4-dih	7.049	13	NJ
05	57-10-3	n-Hexadecanoic acid	8.459	6.9	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8027.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8027.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW C

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8027.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

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.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-03A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8028.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-03A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8028.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW D

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-03A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8028.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

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.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-04A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8029.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-04A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8029.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW E

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-04A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8029.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-05A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8030.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-05A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8030.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW F

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-05A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8030.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-06A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8031.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-06A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8031.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW G

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-06A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8031.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.26643)	4.266	6.9	J
02		Unknown (4.64038)	4.640	4.6	J
03		Unknown (5.03570)	5.036	11	J
04		Unknown (5.61265)	5.613	6.7	J
05		Unknown (5.66607)	5.666	7.0	J
06		Unknown (5.70882)	5.709	5.1	J
07		Unknown (5.76758)	5.768	5.6	J
08		Unknown (5.81032)	5.810	8.9	J
09		Unknown (5.92250)	5.923	8.5	J
10		Unknown (5.98660)	5.987	5.4	J
11		Unknown (6.28577)	6.286	4.3	J
12		Unknown (6.96422)	6.964	4.3	J
13	51015-31-7	1(2H)-Naphthalenone, 5-ethyl	7.050	19	NJ
14		Unknown (7.11380)	7.114	6.4	J
15		Unknown (7.34885)	7.349	4.6	J
16	57-10-3	n-Hexadecanoic acid	8.455	4.5	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-07A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8032.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-07A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8032.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW H

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-07A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8032.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.64540)	4.645	8.7	J
02		Unknown (5.27577)	5.276	14	J
03		Unknown (5.42000)	5.420	9.4	J
04		Unknown (5.60698)	5.607	13	J
05		Unknown (5.68712)	5.687	11	J
06		Unknown (5.74588)	5.746	9.4	J
07		Unknown (5.87408)	5.874	11	J
08		Unknown (5.92217)	5.922	16	J
09		Unknown (5.99697)	5.997	21	J
10		Unknown (6.06640)	6.066	15	J
11		Unknown (6.49912)	6.499	31	J
12		Unknown (6.54185)	6.542	27	J
13		Unknown (6.57925)	6.579	16	J
14		Unknown (6.70747)	6.707	16	J
15		Unknown (6.84637)	6.846	31	J
16		Unknown (6.87307)	6.873	32	J
17		Unknown (6.90512)	6.905	14	J
18		Unknown (7.05470)	7.055	32	J
19		Unknown (7.12948)	7.129	52	J
20		Unknown (7.21497)	7.215	22	J
21		Unknown (7.31647)	7.316	14	J
22		Unknown (7.46070)	7.461	32	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-08A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8033.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-08A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8033.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW I

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-08A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8033.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	14944-23-1	1(2H)-Naphthalenone, 3,4-dih	6.435	5.5	NJ
02		Unknown	7.050	4.2	J

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8034.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8034.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW J

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8034.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

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.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-10A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8037.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-10A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8037.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW K

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-10A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8037.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-11A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8038.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-11A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8038.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW L

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-11A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8038.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

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.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-12A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8039.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-12A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8039.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW M

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-12A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8039.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown (4.27368)	4.274	15	J
02		Unknown (4.46065)	4.461	8.7	J
03		Unknown (4.73845)	4.738	10	J
04		Unknown (5.42225)	5.422	17	J
05		Unknown (5.44895)	5.449	8.3	J
06		Unknown (5.58250)	5.582	20	J
07		Unknown (5.66798)	5.668	16	J
08		Unknown (5.73208)	5.732	13	J
09		Unknown (5.83358)	5.834	14	J
10		Unknown (5.87098)	5.871	9.4	J
11		Unknown (5.91907)	5.919	11	J
12		Unknown (6.06330)	6.063	13	J
13		Unknown (6.18082)	6.181	7.8	J
14		Unknown (6.28233)	6.282	7.4	J
15		Unknown (6.58148)	6.581	22	J
16		Unknown (6.82722)	6.827	7.2	J
17		Unknown (6.85927)	6.859	17	J
18		Unknown (7.03557)	7.036	13	J
19		Unknown (7.10502)	7.105	24	J
20		Unknown (7.20117)	7.201	7.3	J
21	2243-32-5	Pentamethylbenzoic acid	7.383	13	NJ
22		Unknown (7.45225)	7.452	8.8	J
23		Unknown (7.49498)	7.495	9.0	J
24	57-10-3	n-Hexadecanoic acid	8.478	6.9	NJ

[2]EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-13A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8040.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-13A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8040.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW N

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-13A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8040.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[2]EPA-designated Registry Number.

CLIENT SAMPLE NO.
FB-9/28/16

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-14A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8041.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB-9/28/16

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-14A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8041.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
92-52-4	1,1´-Biphenyl	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
105-60-2	Caprolactam	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FB-9/28/16

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-14A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8041.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

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

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-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-85605

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J7839.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/14/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

CLIENT SAMPLE NO.
MB-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-85605

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J7839.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/14/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-85605

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J7839.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/14/2016

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

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

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-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-85605

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J7840.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/14/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	37	
111-44-4	Bis(2-chloroethyl)ether	36	
95-57-8	2-Chlorophenol	37	
95-48-7	2-Methylphenol	36	
108-60-1	2,2´-oxybis(1-Chloropropane)	35	
106-44-5	4-Methylphenol	36	
621-64-7	N-Nitroso-di-n-propylamine	35	
67-72-1	Hexachloroethane	35	
98-95-3	Nitrobenzene	36	
78-59-1	Isophorone	35	
88-75-5	2-Nitrophenol	37	
105-67-9	2,4-Dimethylphenol	39	
120-83-2	2,4-Dichlorophenol	37	
91-20-3	Naphthalene	36	
106-47-8	4-Chloroaniline	18	
111-91-1	Bis(2-chloroethoxy)methane	36	
87-68-3	Hexachlorobutadiene	36	
59-50-7	4-Chloro-3-methylphenol	38	
91-57-6	2-Methylnaphthalene	35	
77-47-4	Hexachlorocyclopentadiene	38	
88-06-2	2,4,6-Trichlorophenol	40	
95-95-4	2,4,5-Trichlorophenol	38	
91-58-7	2-Chloronaphthalene	38	
88-74-4	2-Nitroaniline	40	
131-11-3	Dimethylphthalate	38	
208-96-8	Acenaphthylene	37	
606-20-2	2,6-Dinitrotoluene	38	
99-09-2	3-Nitroaniline	27	
83-32-9	Acenaphthene	38	
51-28-5	2,4-Dinitrophenol	38	
100-02-7	4-Nitrophenol	39	
132-64-9	Dibenzofuran	38	
121-14-2	2,4-Dinitrotoluene	38	
84-66-2	Diethylphthalate	38	
7005-72-3	4-Chlorophenyl-phenylether	38	
86-73-7	Fluorene	39	

CLIENT SAMPLE NO.
LCS-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-85605

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J7840.D

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

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

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/14/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	32	
534-52-1	4,6-Dinitro-2-methylphenol	38	
86-30-6	N-Nitrosodiphenylamine	38	
101-55-3	4-Bromophenyl-phenylether	38	
118-74-1	Hexachlorobenzene	38	
87-86-5	Pentachlorophenol	39	
85-01-8	Phenanthrene	38	
120-12-7	Anthracene	38	
86-74-8	Carbazole	37	
84-74-2	Di-n-butylphthalate	40	
206-44-0	Fluoranthene	38	
129-00-0	Pyrene	37	
85-68-7	Butylbenzylphthalate	38	
91-94-1	3,3´-Dichlorobenzidine	29	
56-55-3	Benzo(a)anthracene	40	
218-01-9	Chrysene	38	
117-81-7	Bis(2-ethylhexyl)phthalate	43	
117-84-0	Di-n-octylphthalate	43	
205-99-2	Benzo(b)fluoranthene	40	
207-08-9	Benzo(k)fluoranthene	39	
50-32-8	Benzo(a)pyrene	41	
193-39-5	Indeno(1,2,3-cd)pyrene	48	
53-70-3	Dibenzo(a,h)anthracene	50	
191-24-2	Benzo(g,h,i)perylene	50	Q

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09AMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8035.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9.6	J
111-44-4	Bis(2-chloroethyl)ether	33	
95-57-8	2-Chlorophenol	21	
95-48-7	2-Methylphenol	19	
108-60-1	2,2´-oxybis(1-Chloropropane)	31	
106-44-5	4-Methylphenol	17	
621-64-7	N-Nitroso-di-n-propylamine	35	
67-72-1	Hexachloroethane	31	
98-95-3	Nitrobenzene	33	
78-59-1	Isophorone	34	
88-75-5	2-Nitrophenol	29	
105-67-9	2,4-Dimethylphenol	21	
120-83-2	2,4-Dichlorophenol	25	
91-20-3	Naphthalene	33	
106-47-8	4-Chloroaniline	26	
111-91-1	Bis(2-chloroethoxy)methane	32	
87-68-3	Hexachlorobutadiene	30	
59-50-7	4-Chloro-3-methylphenol	25	
91-57-6	2-Methylnaphthalene	32	
77-47-4	Hexachlorocyclopentadiene	20	
88-06-2	2,4,6-Trichlorophenol	30	
95-95-4	2,4,5-Trichlorophenol	29	
91-58-7	2-Chloronaphthalene	33	
88-74-4	2-Nitroaniline	36	
131-11-3	Dimethylphthalate	34	
208-96-8	Acenaphthylene	34	
606-20-2	2,6-Dinitrotoluene	35	
99-09-2	3-Nitroaniline	30	
83-32-9	Acenaphthene	34	
51-28-5	2,4-Dinitrophenol	16	J
100-02-7	4-Nitrophenol	10	J
132-64-9	Dibenzofuran	34	
121-14-2	2,4-Dinitrotoluene	36	
84-66-2	Diethylphthalate	35	
7005-72-3	4-Chlorophenyl-phenylether	35	
86-73-7	Fluorene	36	

CLIENT SAMPLE NO.
MW JMS

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09AMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8035.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	33	
534-52-1	4,6-Dinitro-2-methylphenol	25	
86-30-6	N-Nitrosodiphenylamine	33	
101-55-3	4-Bromophenyl-phenylether	32	
118-74-1	Hexachlorobenzene	31	
87-86-5	Pentachlorophenol	32	
85-01-8	Phenanthrene	34	
120-12-7	Anthracene	33	
86-74-8	Carbazole	36	
84-74-2	Di-n-butylphthalate	34	
206-44-0	Fluoranthene	34	
129-00-0	Pyrene	29	
85-68-7	Butylbenzylphthalate	30	
91-94-1	3,3´-Dichlorobenzidine	30	
56-55-3	Benzo(a)anthracene	32	
218-01-9	Chrysene	31	
117-81-7	Bis(2-ethylhexyl)phthalate	33	
117-84-0	Di-n-octylphthalate	31	
205-99-2	Benzo(b)fluoranthene	30	
207-08-9	Benzo(k)fluoranthene	30	
50-32-8	Benzo(a)pyrene	32	
193-39-5	Indeno(1,2,3-cd)pyrene	35	
53-70-3	Dibenzo(a,h)anthracene	37	
191-24-2	Benzo(g,h,i)perylene	35	
92-52-4	1,1´-Biphenyl	31	
95-94-3	1,2,4,5-Tetrachlorobenzene	35	
98-86-2	Acetophenone	33	
1912-24-9	Atrazine	32	
100-52-7	Benzaldehyde	36	
105-60-2	Caprolactam	7.7	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09AMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8036.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	13	
111-44-4	Bis(2-chloroethyl)ether	43	
95-57-8	2-Chlorophenol	28	
95-48-7	2-Methylphenol	25	
108-60-1	2,2´-oxybis(1-Chloropropane)	41	
106-44-5	4-Methylphenol	23	
621-64-7	N-Nitroso-di-n-propylamine	45	
67-72-1	Hexachloroethane	40	
98-95-3	Nitrobenzene	44	
78-59-1	Isophorone	43	
88-75-5	2-Nitrophenol	37	
105-67-9	2,4-Dimethylphenol	28	
120-83-2	2,4-Dichlorophenol	33	
91-20-3	Naphthalene	41	
106-47-8	4-Chloroaniline	36	
111-91-1	Bis(2-chloroethoxy)methane	42	
87-68-3	Hexachlorobutadiene	38	
59-50-7	4-Chloro-3-methylphenol	33	
91-57-6	2-Methylnaphthalene	41	
77-47-4	Hexachlorocyclopentadiene	28	
88-06-2	2,4,6-Trichlorophenol	38	
95-95-4	2,4,5-Trichlorophenol	36	
91-58-7	2-Chloronaphthalene	41	
88-74-4	2-Nitroaniline	47	
131-11-3	Dimethylphthalate	44	
208-96-8	Acenaphthylene	42	
606-20-2	2,6-Dinitrotoluene	45	
99-09-2	3-Nitroaniline	41	
83-32-9	Acenaphthene	42	
51-28-5	2,4-Dinitrophenol	21	
100-02-7	4-Nitrophenol	14	J
132-64-9	Dibenzofuran	42	
121-14-2	2,4-Dinitrotoluene	45	
84-66-2	Diethylphthalate	45	
7005-72-3	4-Chlorophenyl-phenylether	42	
86-73-7	Fluorene	44	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW JMSD

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: R0915-09AMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J8036.D

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

% Moisture: Decanted: (Y/N) Date Received: 09/30/2016

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/04/2016

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/19/2016

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-01-6	4-Nitroaniline	44	
534-52-1	4,6-Dinitro-2-methylphenol	34	
86-30-6	N-Nitrosodiphenylamine	41	
101-55-3	4-Bromophenyl-phenylether	38	
118-74-1	Hexachlorobenzene	37	
87-86-5	Pentachlorophenol	39	
85-01-8	Phenanthrene	41	
120-12-7	Anthracene	40	
86-74-8	Carbazole	44	
84-74-2	Di-n-butylphthalate	42	
206-44-0	Fluoranthene	41	
129-00-0	Pyrene	35	
85-68-7	Butylbenzylphthalate	37	
91-94-1	3,3´-Dichlorobenzidine	40	
56-55-3	Benzo(a)anthracene	39	
218-01-9	Chrysene	37	
117-81-7	Bis(2-ethylhexyl)phthalate	39	
117-84-0	Di-n-octylphthalate	38	
205-99-2	Benzo(b)fluoranthene	36	
207-08-9	Benzo(k)fluoranthene	37	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	42	
53-70-3	Dibenzo(a,h)anthracene	46	
191-24-2	Benzo(g,h,i)perylene	42	
92-52-4	1,1´-Biphenyl	39	
95-94-3	1,2,4,5-Tetrachlorobenzene	43	
98-86-2	Acetophenone	42	
1912-24-9	Atrazine	40	
100-52-7	Benzaldehyde	45	
105-60-2	Caprolactam	10	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-85605	59	59	51	24	34	75			0
02	LCS-85605	68	69	66	76	78	79			0
03	MW B	70	67	30 *	27	38	78			1
04	MW C	63	59	37 *	21	32	69			1
05	MW D	11 *	11 *	5 *	4 *	6 *	13 *			6
06	MW E	61	57	38 *	20	28	69			1
07	MW F	63	58	18 *	21	28	55			1
08	MW G	50	46 *	12 *	17	21	36 *			3
09	MW H	85	85	31 *	33	43	84			1
10	MW I	68	65	26 *	22	31	73			1
11	MW J	51	47 *	24 *	15	21	49			2
12	MW JMS	63	61	35 *	19	26	65			1
13	MW JMSD	80	75	39 *	26	36	77			1
14	MW K	66	65	32 *	22	30	75			1
15	MW L	64	62	40 *	22	33	71			1
16	MW M	72	66	29 *	27	38	77			1
17	MW N	67	60	25 *	23	32	65			1
18	FB-9/28/16	35 *	36 *	16 *	10 *	12 *	19 *			6

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som15.09.23.1015

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix Spike - EPA Sample No.: MW J

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	9.5589	19		0-115
Bis(2-chloroethyl)ether	50.0000	0.0000	32.9989	66		35-110
2-Chlorophenol	50.0000	0.0000	21.3359	43		35-105
2-Methylphenol	50.0000	0.0000	18.8206	38	*	40-110
2,2´-oxybis(1-Chloropro	50.0000	0.0000	31.4472	63		30-123
4-Methylphenol	50.0000	0.0000	16.8700	34		30-110
N-Nitroso-di-n-propylam	50.0000	0.0000	34.9702	70		35-130
Hexachloroethane	50.0000	0.0000	30.7682	62		30-95
Nitrobenzene	50.0000	0.0000	33.4461	67		45-110
Isophorone	50.0000	0.0000	33.5218	67		50-110
2-Nitrophenol	50.0000	0.0000	29.1038	58		40-115
2,4-Dimethylphenol	50.0000	0.0000	21.0768	42		30-110
2,4-Dichlorophenol	50.0000	0.0000	25.1120	50		50-105
Naphthalene	50.0000	0.0000	33.0174	66		40-100
4-Chloroaniline	50.0000	0.0000	26.0723	52		15-110
Bis(2-chloroethoxy)meth	50.0000	0.0000	32.2293	64		45-105
Hexachlorobutadiene	50.0000	0.0000	29.6466	59		25-105
4-Chloro-3-methylphenol	50.0000	0.0000	24.8239	50		45-110
2-Methylnaphthalene	50.0000	0.0000	32.4071	65		45-105
Hexachlorocyclopentadie	50.0000	0.0000	20.1047	40		27-147
2,4,6-Trichlorophenol	50.0000	0.0000	30.3952	61		50-115
2,4,5-Trichlorophenol	50.0000	0.0000	28.7178	57		50-110
2-Chloronaphthalene	50.0000	0.0000	32.7584	66		50-105
2-Nitroaniline	50.0000	0.0000	36.3057	73		50-115
Dimethylphthalate	50.0000	0.0000	34.2771	69		25-125
Acenaphthylene	50.0000	0.0000	33.6606	67		50-105
2,6-Dinitrotoluene	50.0000	0.0000	34.6633	69		50-115
3-Nitroaniline	50.0000	0.0000	30.4027	61		20-125
Acenaphthene	50.0000	0.0000	33.6702	67		45-110
2,4-Dinitrophenol	50.0000	0.0000	16.2000	32		15-140
4-Nitrophenol	50.0000	0.0000	10.0896	20		0-125
Dibenzofuran	50.0000	0.0000	33.6419	67		55-105
2,4-Dinitrotoluene	50.0000	0.0000	35.6217	71		50-120
Diethylphthalate	50.0000	0.0000	35.3888	71		40-120
4-Chlorophenyl-phenylet	50.0000	0.0000	34.6509	69		50-110
Fluorene	50.0000	0.0000	35.9797	72		50-110
4-Nitroaniline	50.0000	0.0000	32.9698	66		35-120
4,6-Dinitro-2-methylphe	50.0000	0.0000	24.7117	49		40-130
N-Nitrosodiphenylamine	50.0000	0.0000	33.4494	67		50-110
4-Bromophenyl-phenyleth	50.0000	0.0000	31.5687	63		50-115
Hexachlorobenzene	50.0000	0.0000	31.1007	62		50-110
Pentachlorophenol	50.0000	0.0000	31.7608	64		40-115
Phenanthrene	50.0000	0.0000	33.8177	68		50-115
Anthracene	50.0000	0.0000	33.3290	67		55-110

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix Spike - EPA Sample No.: MW J

Carbazole	50.0000	0.0000	35.9591	72		50-115
Di-n-butylphthalate	50.0000	0.0000	34.3176	69		55-115
Fluoranthene	50.0000	0.0000	34.2699	69		55-115
Pyrene	50.0000	0.0000	29.2976	59		50-130
Butylbenzylphthalate	50.0000	0.0000	30.0091	60		45-115
3,3´-Dichlorobenzidine	50.0000	0.0000	30.1693	60		20-110
Benzo(a)anthracene	50.0000	0.0000	32.0819	64		55-110
Chrysene	50.0000	0.0000	31.3951	63		55-110
Bis(2-ethylhexyl)phthal	50.0000	0.0000	33.0272	66		40-125
Di-n-octylphthalate	50.0000	0.0000	31.3104	63		35-135
Benzo(b)fluoranthene	50.0000	0.0000	30.4067	61		45-120
Benzo(k)fluoranthene	50.0000	0.0000	30.4521	61		45-125
Benzo(a)pyrene	50.0000	0.0000	31.6188	63		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	34.9108	70		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	37.4028	75		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	35.1412	70		40-125
1,1´-Biphenyl	50.0000	0.0000	31.3785	63		55-108
1,2,4,5-Tetrachlorobenz	50.0000	0.0000	34.6864	69		38-170
Acetophenone	50.0000	0.0000	32.9347	66		56-145
Atrazine	50.0000	0.0000	31.6344	63		52-175
Benzaldehyde	50.0000	0.0000	35.6731	71		10-133
Caprolactam	50.0000	0.0000	7.7363	15		10-146

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	12.9197	26		30		0-30	0-115
Bis(2-chloroethyl)ether	50.0000	42.7565	86		26		0-30	35-110
2-Chlorophenol	50.0000	28.4142	57		28		0-30	35-105
2-Methylphenol	50.0000	25.1577	50		29		0-30	40-110
2,2´-oxybis(1-Chloropro	50.0000	41.2503	83		27		0-30	30-123
4-Methylphenol	50.0000	23.1873	46		32	*	0-30	30-110
N-Nitroso-di-n-propylam	50.0000	45.0592	90		25		0-30	35-130
Hexachloroethane	50.0000	39.9154	80		26		0-30	30-95
Nitrobenzene	50.0000	43.5718	87		26		0-30	45-110
Isophorone	50.0000	43.1114	86		25		0-30	50-110
2-Nitrophenol	50.0000	37.1241	74		24		0-30	40-115
2,4-Dimethylphenol	50.0000	27.6567	55		27		0-30	30-110
2,4-Dichlorophenol	50.0000	32.7268	65		26		0-30	50-105
Naphthalene	50.0000	41.4085	83		23		0-30	40-100
4-Chloroaniline	50.0000	36.4494	73		33	*	0-30	15-110
Bis(2-chloroethoxy)meth	50.0000	42.2383	84		27		0-30	45-105
Hexachlorobutadiene	50.0000	37.8448	76		24		0-30	25-105
4-Chloro-3-methylphenol	50.0000	32.6207	65		27		0-30	45-110
2-Methylnaphthalene	50.0000	40.8905	82		23		0-30	45-105
Hexachlorocyclopentadie	50.0000	27.7264	55		32	*	0-30	27-147
2,4,6-Trichlorophenol	50.0000	38.0721	76		22		0-30	50-115

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix Spike - EPA Sample No.: MW J

2,4,5-Trichlorophenol	50.0000	35.6122	71		21		0-30	50-110
2-Chloronaphthalene	50.0000	41.4628	83		23		0-30	50-105
2-Nitroaniline	50.0000	47.2757	95		26		0-30	50-115
Dimethylphthalate	50.0000	43.9165	88		25		0-30	25-125
Acenaphthylene	50.0000	42.0984	84		22		0-30	50-105
2,6-Dinitrotoluene	50.0000	44.9334	90		26		0-30	50-115
3-Nitroaniline	50.0000	41.4586	83		31	*	0-30	20-125
Acenaphthene	50.0000	41.8380	84		22		0-30	45-110
2,4-Dinitrophenol	50.0000	21.0773	42		26		0-30	15-140
4-Nitrophenol	50.0000	14.1558	28		34	*	0-30	0-125
Dibenzofuran	50.0000	42.4348	85		23		0-30	55-105
2,4-Dinitrotoluene	50.0000	45.0592	90		23		0-30	50-120
Diethylphthalate	50.0000	45.4418	91		25		0-30	40-120
4-Chlorophenyl-phenylet	50.0000	42.1352	84		19		0-30	50-110
Fluorene	50.0000	44.0637	88		20		0-30	50-110
4-Nitroaniline	50.0000	43.7078	87		28		0-30	35-120
4,6-Dinitro-2-methylphe	50.0000	33.6909	67		31	*	0-30	40-130
N-Nitrosodiphenylamine	50.0000	41.1513	82		21		0-30	50-110
4-Bromophenyl-phenyleth	50.0000	38.2453	76		19		0-30	50-115
Hexachlorobenzene	50.0000	37.2827	75		18		0-30	50-110
Pentachlorophenol	50.0000	39.1443	78		21		0-30	40-115
Phenanthrene	50.0000	40.9714	82		19		0-30	50-115
Anthracene	50.0000	40.4590	81		19		0-30	55-110
Carbazole	50.0000	44.3075	89		21		0-30	50-115
Di-n-butylphthalate	50.0000	42.1686	84		21		0-30	55-115
Fluoranthene	50.0000	41.3148	83		19		0-30	55-115
Pyrene	50.0000	35.1623	70		18		0-30	50-130
Butylbenzylphthalate	50.0000	36.7653	74		20		0-30	45-115
3,3´-Dichlorobenzidine	50.0000	39.8183	80		28		0-30	20-110
Benzo(a)anthracene	50.0000	38.5878	77		18		0-30	55-110
Chrysene	50.0000	37.1735	74		17		0-30	55-110
Bis(2-ethylhexyl)phthal	50.0000	39.2109	78		17		0-30	40-125
Di-n-octylphthalate	50.0000	37.8741	76		19		0-30	35-135
Benzo(b)fluoranthene	50.0000	36.1767	72		17		0-30	45-120
Benzo(k)fluoranthene	50.0000	36.7040	73		19		0-30	45-125
Benzo(a)pyrene	50.0000	37.9172	76		18		0-30	55-110
Indeno(1,2,3-cd)pyrene	50.0000	41.6666	83		18		0-30	45-125
Dibenzo(a,h)anthracene	50.0000	45.9107	92		20		0-30	40-125
Benzo(g,h,i)perylene	50.0000	42.2567	85		18		0-30	40-125
1,1´-Biphenyl	50.0000	39.2750	79		22		0-30	55-108
1,2,4,5-Tetrachlorobenz	50.0000	43.2835	87		22		0-30	38-170
Acetophenone	50.0000	42.0755	84		24		0-30	56-145
Atrazine	50.0000	40.3332	81		24		0-30	52-175
Benzaldehyde	50.0000	45.1042	90		23		0-30	10-133
Caprolactam	50.0000	10.4287	21		30		0-30	10-146

Column to be used to flag recovery and RPD values with an asterisk

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Matrix Spike - EPA Sample No.: MW J

* Values outside of QC limits

RPD: 6 out of 66 outside limits

Spike Recovery: 1 out of 132 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Lab Sample ID: LCS-85605 LCS Lot No.:

Date Extracted: 10/04/2016 Date Analyzed (1): 10/14/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	36.6160	73		0 - 115
Bis(2-chloroethyl)ether	50.0000	0.0000	36.0815	72		35 - 110
2-Chlorophenol	50.0000	0.0000	36.6327	73		35 - 105
2-Methylphenol	50.0000	0.0000	36.4136	73		40 - 110
2,2´-oxybis(1-Chloropropan	50.0000	0.0000	34.6950	69		30 - 123
4-Methylphenol	50.0000	0.0000	36.1961	72		30 - 110
N-Nitroso-di-n-propylamine	50.0000	0.0000	34.8092	70		35 - 130
Hexachloroethane	50.0000	0.0000	35.2500	71		30 - 95
Nitrobenzene	50.0000	0.0000	36.4045	73		45 - 110
Isophorone	50.0000	0.0000	35.4292	71		50 - 110
2-Nitrophenol	50.0000	0.0000	37.1791	74		40 - 115
2,4-Dimethylphenol	50.0000	0.0000	38.6282	77		30 - 110
2,4-Dichlorophenol	50.0000	0.0000	37.4585	75		50 - 105
Naphthalene	50.0000	0.0000	35.9933	72		40 - 100
4-Chloroaniline	50.0000	0.0000	18.0298	36		15 - 110
Bis(2-chloroethoxy)methane	50.0000	0.0000	36.0665	72		45 - 105
Hexachlorobutadiene	50.0000	0.0000	36.1190	72		25 - 105
4-Chloro-3-methylphenol	50.0000	0.0000	37.7989	76		45 - 110
2-Methylnaphthalene	50.0000	0.0000	35.1461	70		45 - 105
Hexachlorocyclopentadiene	50.0000	0.0000	38.1181	76		27 - 147
2,4,6-Trichlorophenol	50.0000	0.0000	39.9025	80		50 - 115
2,4,5-Trichlorophenol	50.0000	0.0000	37.8459	76		50 - 110
2-Chloronaphthalene	50.0000	0.0000	37.6896	75		50 - 105
2-Nitroaniline	50.0000	0.0000	40.3481	81		50 - 115
Dimethylphthalate	50.0000	0.0000	37.6399	75		25 - 125
Acenaphthylene	50.0000	0.0000	37.2050	74		50 - 105
2,6-Dinitrotoluene	50.0000	0.0000	37.6274	75		50 - 115
3-Nitroaniline	50.0000	0.0000	27.0881	54		20 - 125
Acenaphthene	50.0000	0.0000	37.7552	76		45 - 110
2,4-Dinitrophenol	50.0000	0.0000	38.0820	76		15 - 140
4-Nitrophenol	50.0000	0.0000	39.3811	79		0 - 125
Dibenzofuran	50.0000	0.0000	37.6482	75		55 - 105
2,4-Dinitrotoluene	50.0000	0.0000	37.7754	76		50 - 120
Diethylphthalate	50.0000	0.0000	38.1649	76		40 - 120
4-Chlorophenyl-phenylether	50.0000	0.0000	38.4211	77		50 - 110
Fluorene	50.0000	0.0000	38.8889	78		50 - 110
4-Nitroaniline	50.0000	0.0000	31.9003	64		35 - 120
4,6-Dinitro-2-methylphenol	50.0000	0.0000	38.4790	77		40 - 130
N-Nitrosodiphenylamine	50.0000	0.0000	37.8980	76		50 - 110
4-Bromophenyl-phenylether	50.0000	0.0000	37.5319	75		50 - 115
Hexachlorobenzene	50.0000	0.0000	38.2442	76		50 - 110
Pentachlorophenol	50.0000	0.0000	38.9322	78		40 - 115
Phenanthrene	50.0000	0.0000	38.0561	76		50 - 115
Anthracene	50.0000	0.0000	37.7563	76		55 - 110

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Lab Sample ID: LCS-85605 LCS Lot No.:

Date Extracted: 10/04/2016 Date Analyzed (1): 10/14/2016

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Carbazole	50.0000	0.0000	37.3305	75		50 - 115
Di-n-butylphthalate	50.0000	0.0000	39.8330	80		55 - 115
Fluoranthene	50.0000	0.0000	37.6895	75		55 - 115
Pyrene	50.0000	0.0000	37.3166	75		50 - 130
Butylbenzylphthalate	50.0000	0.0000	38.0458	76		45 - 115
3,3´-Dichlorobenzidine	50.0000	0.0000	28.7291	57		20 - 110
Benzo(a)anthracene	50.0000	0.0000	40.2682	81		55 - 110
Chrysene	50.0000	0.0000	38.2949	77		55 - 110
Bis(2-ethylhexyl)phthalate	50.0000	0.0000	42.5354	85		40 - 125
Di-n-octylphthalate	50.0000	0.0000	42.5205	85		35 - 135
Benzo(b)fluoranthene	50.0000	0.0000	39.6750	79		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	38.8217	78		45 - 125
Benzo(a)pyrene	50.0000	0.0000	40.5015	81		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	47.5549	95		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	50.2770	101		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	50.3282	101		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 60 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-85605

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

Lab File ID: S3J7839.D Lab Sample ID: MB-85605

Instrument ID: S3 Date Extracted: 10/04/2016

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 10/14/2016

Level: (LOW/MED) LOW Time Analyzed: 12:39

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-85605	LCS-85605	S3J7840.D	10/14/2016
02	MW B	R0915-01A	S3J8026.D	10/19/2016
03	MW C	R0915-02A	S3J8027.D	10/19/2016
04	MW D	R0915-03A	S3J8028.D	10/19/2016
05	MW E	R0915-04A	S3J8029.D	10/19/2016
06	MW F	R0915-05A	S3J8030.D	10/19/2016
07	MW G	R0915-06A	S3J8031.D	10/19/2016
08	MW H	R0915-07A	S3J8032.D	10/19/2016
09	MW I	R0915-08A	S3J8033.D	10/19/2016
10	MW J	R0915-09A	S3J8034.D	10/19/2016
11	MW JMS	R0915-09AMS	S3J8035.D	10/19/2016
12	MW JMSD	R0915-09AMSD	S3J8036.D	10/19/2016
13	MW K	R0915-10A	S3J8037.D	10/19/2016
14	MW L	R0915-11A	S3J8038.D	10/19/2016
15	MW M	R0915-12A	S3J8039.D	10/19/2016
16	MW N	R0915-13A	S3J8040.D	10/19/2016
17	FB-9/28/16	R0915-14A	S3J8041.D	10/19/2016

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 10/06/2016 10/06/2016

EPA Sample No.(SSTD020##) SSTD025LA Date Analyzed: 10/14/2016

Lab File ID (Standard): S3J7838.D Time Analyzed: 11:22

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	176249		3.794		679975		5.145		400044		6.796	
	UPPER LIMIT	352498		4.294		1359950		5.645		800088		7.296	
	LOWER LIMIT	88125		3.294		339988		4.645		200022		6.296	
	SAMPLE NO.												
01	MB-85605	151726		3.794		598059		5.146		353315		6.791	
02	LCS-85605	163478		3.795		616392		5.141		343357		6.792	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

EPA Sample No.(SSTD020##) SSTD025LA Date Analyzed: 10/14/2016

Lab File ID (Standard): S3J7838.D Time Analyzed: 11:22

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	618432		8.062		522091		10.386		535125		12.528	
	UPPER LIMIT	1236864		8.562		1044182		10.886		1070250		13.028	
	LOWER LIMIT	309216		7.562		261046		9.886		267563		12.028	
	SAMPLE NO.												
01	MB-85605	539597		8.057		481373		10.381		469747		12.523	
02	LCS-85605	503307		8.058		364606		10.366		357106		12.497	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 10/06/2016 10/06/2016

EPA Sample No.(SSTD020##) SSTD025LM Date Analyzed: 10/19/2016

Lab File ID (Standard): S3J8020.D Time Analyzed: 12:41

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	156486		3.721		621077		5.078		373867		6.734	
	UPPER LIMIT	312972		4.221		1242154		5.578		747734		7.234	
	LOWER LIMIT	78243		3.221		310539		4.578		186934		6.234	
	SAMPLE NO.												
01	MW B	128222		3.720		509143		5.077		306757		6.728	
02	MW C	128041		3.721		515786		5.078		310213		6.728	
03	MW D	128815		3.721		512508		5.078		308495		6.728	
04	MW E	140425		3.720		566548		5.077		339562		6.728	
05	MW F	135735		3.720		543782		5.077		326521		6.728	
06	MW G	129101		3.722		520613		5.078		305081		6.729	
07	MW H	124175		3.721		492983		5.078		264853		6.734	
08	MW I	127136		3.721		508943		5.078		306983		6.729	
09	MW J	127494		3.719		510864		5.075		309053		6.726	
10	MW JMS	133393		3.722		539822		5.079		327678		6.729	
11	MW JMSD	122815		3.721		495225		5.078		294700		6.734	
12	MW K	124670		3.721		503604		5.078		299237		6.728	
13	MW L	120584		3.718		489478		5.075		293310		6.725	
14	MW M	132049		3.723		521174		5.080		311942		6.731	
15	MW N	125066		3.722		510128		5.079		306993		6.729	

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.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 10/06/2016 10/06/2016

EPA Sample No.(SSTD020##) SSTD025LM Date Analyzed: 10/19/2016

Lab File ID (Standard): S3J8020.D Time Analyzed: 12:41

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	156486		3.721		621077		5.078		373867		6.734	
	UPPER LIMIT	312972		4.221		1242154		5.578		747734		7.234	
	LOWER LIMIT	78243		3.221		310539		4.578		186934		6.234	
	SAMPLE NO.												
16	FB-9/28/16	122370		3.723		490138		5.075		297896		6.725	

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: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

EPA Sample No.(SSTD020##) SSTD025LM Date Analyzed: 10/19/2016

Lab File ID (Standard): S3J8020.D Time Analyzed: 12:41

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	584759		8		498576		10.319		505190		12.407	
	UPPER LIMIT	1169518		8.5		997152		10.819		1010380		12.907	
	LOWER LIMIT	292380		7.5		249288		9.819		252595		11.907	
	SAMPLE NO.												
01	MW B	485096		7.994		428946		10.286		417886		12.364	
02	MW C	482383		7.994		433670		10.281		420231		12.359	
03	MW D	477979		7.994		429920		10.281		424065		12.359	
04	MW E	530681		7.994		478651		10.280		463346		12.358	
05	MW F	503613		7.994		452435		10.280		443073		12.358	
06	MW G	483331		7.995		432483		10.282		425019		12.354	
07	MW H	455857		8.000		423035		10.287		411394		12.365	
08	MW I	474987		7.995		432515		10.282		420766		12.360	
09	MW J	484358		7.992		433212		10.279		418835		12.351	
10	MW JMS	509297		7.996		428388		10.287		441066		12.360	
11	MW JMSD	464143		7.995		394304		10.287		407688		12.360	
12	MW K	461859		7.995		422538		10.281		411045		12.354	
13	MW L	464577		7.992		419230		10.278		399079		12.351	
14	MW M	486940		8.002		449415		10.289		440310		12.362	
15	MW N	483333		7.996		439011		10.282		425500		12.355	

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.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: R0915 Mod. Ref No.: SDG No.: SR0915

EPA Sample No.(SSTD020##) SSTD025LM Date Analyzed: 10/19/2016

Lab File ID (Standard): S3J8020.D Time Analyzed: 12:41

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	584759		8		498576		10.319		505190		12.407	
	UPPER LIMIT	1169518		8.5		997152		10.819		1010380		12.907	
	LOWER LIMIT	292380		7.5		249288		9.819		252595		11.907	
	SAMPLE NO.												
16	FB-9/28/16	467360		7.992		423506		10.278		402267		12.356	

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.

* Wet Chemistry *

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC26798

Client: Eurofins Spectrum Analytical, Inc. - RI

Project: 211 Franklin Street / R0915

SDG #: 26798

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 5030 Water MS.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV8 details: GC/MS Tekmar Solatek 72 multi-matrix vial autosampler
Tekmar Stratum sample concentrator Tekmar #9, U-shape trap and conditions used
Agilent 6890N series gas chromatograph Agilent 5973 Mass Selective Detector
Column - DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1610011:

The following analytes: Acetone, Bromodichloromethane, Bromomethane, 2-Butanone (MEK), 2-Hexanone (MBK), cis-1,3-Dichloropropene, Tetrachloroethene, and Trichloroethene are flagged on Form VI – Initial Calibration Data, for ICAL 1610012/V2100416.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation

Analyte quantified by quadratic type calibration: 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), Bromoform, Carbon disulfide, Carbon tetrachloride, cis-1,3-Dichloropropene, Dibromochloromethane, Methylcyclohexane, trans-1,3-Dichloropropene

This affected the following samples:

MW G, 1617421-BS1, 1617421-BSD1, 1617421-MS1, 1617421-MSD1, FB-9/28/16, MW B, MW C, MW D, 1617421-BLK1, MW F, TB, MW H, MW I, MW J, MW K, MW L, MW M, MW N, S608471-ICV1, S608592-CCV1, MW E

In sample S608592-CCV1:

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

1,4-Dioxane (37.5%)
Bromomethane (-31.8%)
Chloromethane (-23.6%)
Dichlorodifluoromethane (Freon12) (-20.3%)

This affected the following samples:

1617421-BLK1, 1617421-BS1, 1617421-BSD1, 1617421-MS1, 1617421-MSD1, FB-9/28/16, MW B, MW C, MW D, MW E, MW F, MW G, MW H, MW I, MW J, MW K, MW L, MW M, MW N, TB

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1617421, sample 1617421-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

In batch 1617421 BS/BSD:

Bromomethane percent recoveries (73/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

FB-9/28/16, MW B, MW C, MW D, MW E, MW F, MW G, MW H, MW I, MW J, MW K, MW L, MW M, MW N, TB

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

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1617421 from source sample MW J (SC26798-09).

In batch 1617421 from source sample MW J (SC26798-09).

All method criteria were met with the following exceptions:

Bromomethane, Chloromethane in batch 1617421, lab sample 1617421-MS1 from source sample MW J (SC26798-09): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon12) in batch 1617421, lab sample 1617421-MSD1 from source sample MW J (SC26798-09): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

1H-Indene, 2,3-dihydro-1,1-..., Benzene, 1,2,3,4-tetramethyl-, Benzene, 1,2,3,5-tetramethyl-, Butane, 2,3-dimethyl-, Cyclohexane, 1,3-dimethyl-,..., Cyclohexane, 1,4-dimethyl-,..., Cyclopentane, 1,2,4-trimeth... in batch 1617421, samples MW B (SC26798-01), MW D (SC26798-03), MW G (SC26798-06), MW I (SC26798-08): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC26798

Client: Eurofins Spectrum Analytical, Inc. - RI

Project: 211 Franklin Street / R0915

SDG #: 26798

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3005A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP details: Thermo ICAP 6000 series CETAC Autosampler

ICAP5 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Beryllium in batch 1617381, samples 1617381-BS1, 1617381-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Barium in batch 1617381, sample 1617381-BS1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

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

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1617381 from source sample MW J (SC26798-09).

In batch 1617618 from source sample MW J (SC26798-09).

In batch 1617663 from source sample MW J (SC26798-09).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1617381 from source sample MW J (SC26798-09).

In batch 1617618 from source sample MW J (SC26798-09).

In batch 1617663 from source sample MW J (SC26798-09).

All method criteria were met with the following exceptions:

Magnesium in batch 1617381, lab sample 1617381-PS1 from source sample MW J (SC26798-09): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

D. Duplicates:

A duplicate was analyzed.

In batch 1617381 from source sample MW J (SC26798-09).

In batch 1617618 from source sample MW J (SC26798-09).

In batch 1617663 from source sample MW J (SC26798-09).

All method criteria were met.

E. Serial Dilutions:

All quality control criteria were met.

F. Samples:

All method criteria were met with the following exceptions:

Calcium, Sodium in batch 1617618, sample MW M (SC26798-12): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC26798

Client: Eurofins Spectrum Analytical, Inc. - RI

Project: 211 Franklin Street / R0915

SDG #: 26798

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 245.1/7470A, SW846 7471B.

IV. PREPARATION

Aqueous samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 245.1/7470A, SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S608718-ICV1:

ICV1 was rerun as ICV2 in order to meet method 5% initial QC criteria.

Mercury

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

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

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1617382 from source sample MW J (SC26798-09).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1617382 from source sample MW J (SC26798-09).

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1617382 from source sample MW J (SC26798-09).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW B

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-01	File ID:	2679801.D		
Sampled:	09/27/16 13:10	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 12:29		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	J
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW B

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-01	File ID:	2679801.D		
Sampled:	09/27/16 13:10	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 12:29		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	1.5	0.6	5.0	J
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW B

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-01	File ID:	2679801.D		
Sampled:	09/27/16 13:10	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 12:29		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.865	9.1	JN

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-02	File ID:	2679802.D		
Sampled:	09/27/16 12:17	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 12:57		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	14.8	3.4	10.0	
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	2.8	0.4	1.0	
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-02	File ID:	2679802.D		
Sampled:	09/27/16 12:17	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 12:57		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-02	File ID:	2679802.D		
Sampled:	09/27/16 12:17	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 12:57		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW D

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-03	File ID:	2679803.D		
Sampled:	09/27/16 10:56	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 13:25		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	6.0	3.4	10.0	J
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW D

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-03	File ID:	2679803.D		
Sampled:	09/27/16 10:56	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 13:25		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW D

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-03	File ID:	2679803.D		
Sampled:	09/27/16 10:56	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 13:25		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
004912-92-9	1H-Indene, 2,3-dihydro-1,1-...	11.618	5.0	JN

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW E

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-04	File ID:	2679804.D		
Sampled:	09/27/16 14:09	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 13:53		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	3.9	3.4	10.0	J
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW E

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-04	File ID:	2679804.D		
Sampled:	09/27/16 14:09	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 13:53		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW E

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-04	File ID:	2679804.D		
Sampled:	09/27/16 14:09	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 13:53		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW F

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-05	File ID:	2679805.D		
Sampled:	09/27/16 17:03	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 14:22		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.6	3.4	10.0	
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW F

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-05	File ID:	2679805.D		
Sampled:	09/27/16 17:03	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 14:22		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW F

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-05	File ID:	2679805.D		
Sampled:	09/27/16 17:03	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 14:22		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW G

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-06	File ID:	2679806.D		
Sampled:	09/27/16 11:25	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 14:50		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	0.6	0.4	2.0	J
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW G

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-06	File ID:	2679806.D		
Sampled:	09/27/16 11:25	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 14:50		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	2.0	0.6	5.0	J
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW G

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-06	File ID:	2679806.D		
Sampled:	09/27/16 11:25	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 14:50		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
527-53-7	Benzene, 1,2,3,5-tetramethyl-	11.865	15	JN
79-29-8	Butane, 2,3-dimethyl-	1.997	5.1	JN
000638-04-0	Cyclohexane, 1,3-dimethyl-,...	7.261	11	JN
589-90-2	Cyclohexane, 1,4-dimethyl-,...	7.382	5.6	JN
004850-28-6	Cyclopentane, 1,2,4-trimeth...	6.124	6.4	JN

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW H

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-07	File ID:	2679807.D		
Sampled:	09/27/16 09:30	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 15:18		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	0.6	0.4	2.0	J
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW H

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-07	File ID:	2679807.D		
Sampled:	09/27/16 09:30	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 15:18		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW H

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-07	File ID:	2679807.D		
Sampled:	09/27/16 09:30	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 15:18		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW I

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-08	File ID:	2679808.D		
Sampled:	09/27/16 16:03	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 15:47		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	28.0	3.4	10.0	
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	0.6	0.4	2.0	J
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW I

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-08	File ID:	2679808.D		
Sampled:	09/27/16 16:03	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 15:47		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW I

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-08	File ID:	2679808.D		
Sampled:	09/27/16 16:03	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 15:47		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
527-53-7	Benzene, 1,2,3,5-tetramethyl-	11.865	5.8	JN

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW J

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-09	File ID:	2679809.D		
Sampled:	09/27/16 10:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 16:15		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	7.8	3.4	10.0	J
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	0.5	0.4	2.0	J
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW J

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-09	File ID:	2679809.D		
Sampled:	09/27/16 10:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 16:15		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW J

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-09	File ID:	2679809.D		
Sampled:	09/27/16 10:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 16:15		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW K

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-10	File ID:	2679810.D
Sampled:	09/27/16 13:13	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 16:44
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Batch:	1617421	Sequence:	S608592	Calibration:	1610011
Instrument:	HPV8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW K

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-10	File ID:	2679810.D		
Sampled:	09/27/16 13:13	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 16:44		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW K

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-10	File ID:	2679810.D		
Sampled:	09/27/16 13:13	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 16:44		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW L

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-11	File ID:	2679811.D
Sampled:	09/27/16 15:01	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 17:12
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Batch:	1617421	Sequence:	S608592	Calibration:	1610011
Instrument:	HPV8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	5.2	3.4	10.0	J
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW L

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-11	File ID:	2679811.D		
Sampled:	09/27/16 15:01	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 17:12		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW L

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-11	File ID:	2679811.D		
Sampled:	09/27/16 15:01	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 17:12		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW M

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-12	File ID:	2679812.D		
Sampled:	09/27/16 14:55	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 17:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	4.9	3.4	10.0	J
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	1.5	1.2	2.0	J
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW M

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-12	File ID:	2679812.D		
Sampled:	09/27/16 14:55	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 17:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	1.4	0.6	5.0	J
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW M

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-12	File ID:	2679812.D		
Sampled:	09/27/16 14:55	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 17:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW N

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-13	File ID:	2679813.D		
Sampled:	09/27/16 07:45	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 18:09		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	6.1	3.4	10.0	J
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	0.7	0.4	2.0	J
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

MW N

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-13	File ID:	2679813.D		
Sampled:	09/27/16 07:45	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 18:09		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

MW N

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-13	File ID:	2679813.D		
Sampled:	09/27/16 07:45	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 18:09		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

FB-9/28/16

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA		SDG:	26798	
Client:	Eurofins Spectrum Analytical, Inc. - RI		Project:	211 Franklin Street	
Project Number:	R0915		Received:	10/06/16 19:10	
Matrix:	Aqueous	Laboratory ID:	SC26798-14	File ID:	2679814.D
Sampled:	09/28/16 12:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 18:38
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Batch:	1617421	Sequence:	S608592	Calibration:	1610011
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	J
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

FB-9/28/16

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-14	File ID:	2679814.D		
Sampled:	09/28/16 12:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 18:38		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

FB-9/28/16

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-14	File ID:	2679814.D		
Sampled:	09/28/16 12:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 18:38		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TB

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-15	File ID:	2679815.D		
Sampled:	09/28/16 00:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 19:06		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
71-43-2	Benzene	1.0	0.3	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.3	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.9	2.0	U
78-93-3	2-Butanone (MEK)	2.0	1.2	2.0	U
75-15-0	Carbon disulfide	2.0	0.4	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.6	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.7	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.3	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.3	1.0	U
591-78-6	2-Hexanone (MBK)	2.0	1.2	2.0	U
98-82-8	Isopropylbenzene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	0.9	2.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TB

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-15	File ID:	2679815.D		
Sampled:	09/28/16 00:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 19:06		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.4	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
1330-20-7	Total Xylenes	1.0	0.4	1.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

TB

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798		
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street		
Project Number:	R0915			Received:	10/06/16 19:10		
Matrix:	Aqueous	Laboratory ID:	SC26798-15	File ID:	2679815.D		
Sampled:	09/28/16 00:00	Prepared:	10/10/16 09:59	Analyzed:	10/10/16 19:06		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-BS1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Analyzed:	10/10/16 10:09	Spike ID:	16J0042
		File ID:	LCS1010A.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	21.1	105	70 - 130
Acetone	20.0	18.8	94	70 - 130
Benzene	20.0	20.1	101	70 - 130
Bromochloromethane	20.0	19.1	96	70 - 130
Bromodichloromethane	20.0	22.5	112	70 - 130
Bromoform	20.0	22.3	111	70 - 130
Bromomethane	20.0	14.5	73	70 - 130
2-Butanone (MEK)	20.0	20.9	104	70 - 130
Carbon disulfide	20.0	21.5	108	70 - 130
Carbon tetrachloride	20.0	21.9	110	70 - 130
Chlorobenzene	20.0	19.8	99	70 - 130
Chloroethane	20.0	18.3	92	70 - 130
Chloroform	20.0	17.7	89	70 - 130
Chloromethane	20.0	15.3	76	70 - 130
1,2-Dibromo-3-chloropropane	20.0	22.8	114	70 - 130
Dibromochloromethane	20.0	21.4	107	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.0	105	70 - 130
1,2-Dichlorobenzene	20.0	20.1	101	70 - 130
1,3-Dichlorobenzene	20.0	20.3	102	70 - 130
1,4-Dichlorobenzene	20.0	19.5	97	70 - 130
Dichlorodifluoromethane (Freon12)	20.0	16.2	81	70 - 130
1,1-Dichloroethane	20.0	19.5	98	70 - 130
1,2-Dichloroethane	20.0	18.0	90	70 - 130
1,1-Dichloroethene	20.0	20.7	104	70 - 130
cis-1,2-Dichloroethene	20.0	18.8	94	70 - 130
trans-1,2-Dichloroethene	20.0	19.5	97	70 - 130
1,2-Dichloropropane	20.0	20.3	101	70 - 130
cis-1,3-Dichloropropene	20.0	22.7	114	70 - 130
trans-1,3-Dichloropropene	20.0	22.7	114	70 - 130
Ethylbenzene	20.0	21.8	109	70 - 130

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-BS1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Analyzed:	10/10/16 10:09	Spike ID:	16J0042
		File ID:	LCS1010A.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
2-Hexanone (MBK)	20.0	20.5	103	70 - 130
Isopropylbenzene	20.0	20.8	104	70 - 130
Methyl tert-butyl ether	20.0	20.2	101	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	22.2	111	70 - 130
Methylene chloride	20.0	18.7	94	70 - 130
Styrene	20.0	21.9	110	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.1	105	70 - 130
Tetrachloroethene	20.0	21.8	109	70 - 130
Toluene	20.0	20.7	103	70 - 130
1,2,3-Trichlorobenzene	20.0	20.4	102	70 - 130
1,2,4-Trichlorobenzene	20.0	21.6	108	70 - 130
1,1,1-Trichloroethane	20.0	21.7	108	70 - 130
1,1,2-Trichloroethane	20.0	20.2	101	70 - 130
Trichloroethene	20.0	21.2	106	70 - 130
Trichlorofluoromethane (Freon 11)	20.0	19.7	98	70 - 130
Vinyl chloride	20.0	17.3	86	70 - 130
1,4-Dioxane	200	237	119	70 - 130
Cyclohexane	20.0	21.8	109	70 - 130
Methyl acetate	20.0	20.0	100	70 - 130
Methylcyclohexane	20.0	22.3	111	70 - 130

File ID: LCS1010B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon	20.0	18.9	95	11	20	70 - 130
Acetone	20.0	19.1	96	2	20	70 - 130
Benzene	20.0	18.7	94	7	20	70 - 130
Bromochloromethane	20.0	19.4	97	2	20	70 - 130
Bromodichloromethane	20.0	21.3	107	5	20	70 - 130
Bromoform	20.0	21.6	108	3	20	70 - 130

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-BSD1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Analyzed:	10/10/16 10:37	Spike ID:	16J0042
		File ID:	LCS1010B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	20.0	13.5	68 *	7	20	70 - 130
2-Butanone (MEK)	20.0	21.0	105	0.5	20	70 - 130
Carbon disulfide	20.0	19.2	96	11	20	70 - 130
Carbon tetrachloride	20.0	19.9	100	9	20	70 - 130
Chlorobenzene	20.0	18.7	93	6	20	70 - 130
Chloroethane	20.0	17.0	85	7	20	70 - 130
Chloroform	20.0	16.9	85	5	20	70 - 130
Chloromethane	20.0	14.0	70	9	20	70 - 130
1,2-Dibromo-3-chloropropane	20.0	21.5	107	6	20	70 - 130
Dibromochloromethane	20.0	20.6	103	4	20	70 - 130
1,2-Dibromoethane (EDB)	20.0	20.7	104	1	20	70 - 130
1,2-Dichlorobenzene	20.0	18.9	94	6	20	70 - 130
1,3-Dichlorobenzene	20.0	19.2	96	5	20	70 - 130
1,4-Dichlorobenzene	20.0	18.0	90	8	20	70 - 130
Dichlorodifluoromethane (Freon12)	20.0	14.7	74	10	20	70 - 130
1,1-Dichloroethane	20.0	18.1	90	8	20	70 - 130
1,2-Dichloroethane	20.0	17.3	86	4	20	70 - 130
1,1-Dichloroethene	20.0	17.8	89	15	20	70 - 130
cis-1,2-Dichloroethene	20.0	18.0	90	5	20	70 - 130
trans-1,2-Dichloroethene	20.0	18.3	92	6	20	70 - 130
1,2-Dichloropropane	20.0	19.2	96	6	20	70 - 130
cis-1,3-Dichloropropene	20.0	21.6	108	5	20	70 - 130
trans-1,3-Dichloropropene	20.0	22.1	111	3	20	70 - 130
Ethylbenzene	20.0	20.0	100	9	20	70 - 130
2-Hexanone (MBK)	20.0	20.7	103	0.7	20	70 - 130
Isopropylbenzene	20.0	19.2	96	8	20	70 - 130
Methyl tert-butyl ether	20.0	19.6	98	3	20	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	21.8	109	2	20	70 - 130
Methylene chloride	20.0	17.8	89	5	20	70 - 130
Styrene	20.0	20.4	102	7	20	70 - 130

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-BSD1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Analyzed:	10/10/16 10:37	Spike ID:	16J0042
		File ID:	LCS1010B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroethane	20.0	20.7	104	2	20	70 - 130
Tetrachloroethene	20.0	20.1	100	8	20	70 - 130
Toluene	20.0	19.0	95	9	20	70 - 130
1,2,3-Trichlorobenzene	20.0	19.3	96	6	20	70 - 130
1,2,4-Trichlorobenzene	20.0	20.1	101	7	20	70 - 130
1,1,1-Trichloroethane	20.0	19.5	98	10	20	70 - 130
1,1,2-Trichloroethane	20.0	19.8	99	2	20	70 - 130
Trichloroethene	20.0	19.5	98	8	20	70 - 130
Trichlorofluoromethane (Freon 11)	20.0	17.9	90	9	20	70 - 130
Vinyl chloride	20.0	15.3	77	12	20	70 - 130
1,4-Dioxane	200	246	123	4	20	70 - 130
Cyclohexane	20.0	19.6	98	11	30	70 - 130
Methyl acetate	20.0	20.4	102	2	30	70 - 130
Methylcyclohexane	20.0	20.3	101	9	30	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-MS1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16J0295
		File ID:	2679809M.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon	20.0	BRL	20.7	104	70 - 130
Acetone	20.0	7.8	30.9	116	70 - 130
Benzene	20.0	BRL	19.4	97	70 - 130
Bromochloromethane	20.0	BRL	19.6	98	70 - 130
Bromodichloromethane	20.0	BRL	21.7	109	70 - 130
Bromoform	20.0	BRL	22.6	113	70 - 130
Bromomethane	20.0	BRL	4.9	24 *	70 - 130
2-Butanone (MEK)	20.0	BRL	19.9	99	70 - 130
Carbon disulfide	20.0	BRL	22.0	110	70 - 130
Carbon tetrachloride	20.0	BRL	21.4	107	70 - 130
Chlorobenzene	20.0	BRL	19.3	96	70 - 130
Chloroethane	20.0	BRL	18.1	90	70 - 130
Chloroform	20.0	BRL	18.2	91	70 - 130
Chloromethane	20.0	0.5	12.9	62 *	70 - 130
1,2-Dibromo-3-chloropropane	20.0	BRL	22.0	110	70 - 130
Dibromochloromethane	20.0	BRL	21.2	106	70 - 130
1,2-Dibromoethane (EDB)	20.0	BRL	20.8	104	70 - 130
1,2-Dichlorobenzene	20.0	BRL	19.7	98	70 - 130
1,3-Dichlorobenzene	20.0	BRL	20.0	100	70 - 130
1,4-Dichlorobenzene	20.0	BRL	18.7	93	70 - 130
Dichlorodifluoromethane (Freon12)	20.0	BRL	14.6	73	70 - 130
1,1-Dichloroethane	20.0	BRL	19.0	95	70 - 130
1,2-Dichloroethane	20.0	BRL	18.0	90	70 - 130
1,1-Dichloroethene	20.0	BRL	20.5	103	70 - 130
cis-1,2-Dichloroethene	20.0	BRL	19.0	95	70 - 130
trans-1,2-Dichloroethene	20.0	BRL	19.6	98	70 - 130
1,2-Dichloropropane	20.0	BRL	19.6	98	70 - 130
cis-1,3-Dichloropropene	20.0	BRL	21.3	107	70 - 130
trans-1,3-Dichloropropene	20.0	BRL	21.4	107	70 - 130
Ethylbenzene	20.0	BRL	20.8	104	70 - 130

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-MS1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16J0295
		File ID:	2679809M.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
2-Hexanone (MBK)	20.0	BRL	20.4	102	70 - 130
Isopropylbenzene	20.0	BRL	20.2	101	70 - 130
Methyl tert-butyl ether	20.0	BRL	19.1	95	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	BRL	21.4	107	70 - 130
Methylene chloride	20.0	BRL	18.4	92	70 - 130
Styrene	20.0	BRL	20.2	101	70 - 130
1,1,2,2-Tetrachloroethane	20.0	BRL	19.9	100	70 - 130
Tetrachloroethene	20.0	BRL	21.0	105	70 - 130
Toluene	20.0	BRL	19.9	100	70 - 130
1,2,3-Trichlorobenzene	20.0	BRL	19.6	98	70 - 130
1,2,4-Trichlorobenzene	20.0	BRL	19.8	99	70 - 130
1,1,1-Trichloroethane	20.0	BRL	21.1	106	70 - 130
1,1,2-Trichloroethane	20.0	BRL	19.2	96	70 - 130
Trichloroethene	20.0	BRL	19.9	99	70 - 130
Trichlorofluoromethane (Freon 11)	20.0	BRL	19.2	96	70 - 130
Vinyl chloride	20.0	BRL	15.7	78	70 - 130
1,4-Dioxane	200	BRL	208	104	70 - 130
Cyclohexane	20.0	BRL	21.4	107	70 - 130
Methyl acetate	20.0	BRL	18.7	93	70 - 130
Methylcyclohexane	20.0	BRL	21.2	106	70 - 130

File ID: 2679809R.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon	20.0	19.6	98	6	20	70 - 130
Acetone	20.0	31.4	118	1	20	70 - 130
Benzene	20.0	18.6	93	4	20	70 - 130
Bromochloromethane	20.0	19.3	96	2	20	70 - 130
Bromodichloromethane	20.0	21.8	109	0.05	20	70 - 130
Bromoform	20.0	22.4	112	1	20	70 - 130

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-MSD1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16J0295
		File ID:	2679809R.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	20.0	4.5	22 *	8	20	70 - 130
2-Butanone (MEK)	20.0	18.2	91	9	20	70 - 130
Carbon disulfide	20.0	20.9	105	5	20	70 - 130
Carbon tetrachloride	20.0	19.9	99	7	20	70 - 130
Chlorobenzene	20.0	18.6	93	3	20	70 - 130
Chloroethane	20.0	16.8	84	7	20	70 - 130
Chloroform	20.0	17.8	89	2	20	70 - 130
Chloromethane	20.0	12.7	61 *	1	20	70 - 130
1,2-Dibromo-3-chloropropane	20.0	19.8	99	10	20	70 - 130
Dibromochloromethane	20.0	21.3	106	0.5	20	70 - 130
1,2-Dibromoethane (EDB)	20.0	20.1	100	3	20	70 - 130
1,2-Dichlorobenzene	20.0	19.5	97	1	20	70 - 130
1,3-Dichlorobenzene	20.0	19.5	98	3	20	70 - 130
1,4-Dichlorobenzene	20.0	18.4	92	1	20	70 - 130
Dichlorodifluoromethane (Freon12)	20.0	13.8	69 *	5	20	70 - 130
1,1-Dichloroethane	20.0	18.7	93	2	20	70 - 130
1,2-Dichloroethane	20.0	17.8	89	1	20	70 - 130
1,1-Dichloroethene	20.0	18.8	94	9	20	70 - 130
cis-1,2-Dichloroethene	20.0	18.8	94	1	20	70 - 130
trans-1,2-Dichloroethene	20.0	19.1	95	3	20	70 - 130
1,2-Dichloropropane	20.0	19.0	95	3	20	70 - 130
cis-1,3-Dichloropropene	20.0	21.2	106	0.5	20	70 - 130
trans-1,3-Dichloropropene	20.0	21.6	108	1	20	70 - 130
Ethylbenzene	20.0	20.0	100	4	20	70 - 130
2-Hexanone (MBK)	20.0	19.8	99	3	20	70 - 130
Isopropylbenzene	20.0	19.5	98	3	20	70 - 130
Methyl tert-butyl ether	20.0	19.4	97	2	20	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	21.4	107	0.1	20	70 - 130
Methylene chloride	20.0	18.6	93	0.8	20	70 - 130
Styrene	20.0	19.4	97	4	20	70 - 130
1,1,2,2-Tetrachloroethane	20.0	19.9	99	0.3	20	70 - 130

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	HPV8
Batch:	1617421	Laboratory ID:	1617421-MSD1
Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16J0295
		File ID:	2679809R.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Tetrachloroethene	20.0	20.2	101	4	20	70 - 130
Toluene	20.0	19.4	97	2	20	70 - 130
1,2,3-Trichlorobenzene	20.0	19.9	99	1	20	70 - 130
1,2,4-Trichlorobenzene	20.0	20.3	101	2	20	70 - 130
1,1,1-Trichloroethane	20.0	20.6	103	2	20	70 - 130
1,1,2-Trichloroethane	20.0	19.6	98	2	20	70 - 130
Trichloroethene	20.0	19.6	98	2	20	70 - 130
Trichlorofluoromethane (Freon 11)	20.0	18.3	92	4	20	70 - 130
Vinyl chloride	20.0	15.4	77	2	20	70 - 130
1,4-Dioxane	200	214	107	3	20	70 - 130
Cyclohexane	20.0	20.4	102	4	30	70 - 130
Methyl acetate	20.0	18.6	93	0.4	30	70 - 130
Methylcyclohexane	20.0	20.2	101	5	30	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV - METHOD BLANK SUMMARY
SW846 8260C

1617421-BLK1

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Matrix:	Aqueous	Laboratory ID:	1617421-BLK1	File ID:	BK81010B.D
		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Analyzed:	10/10/16 09:12	Instrument:	HPV8		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1617421-BS1	LCS1010A.D	10/10/16	10:09
LCS Dup	1617421-BSD1	LCS1010B.D	10/10/16	10:37
MW B	SC26798-01	2679801.D	10/10/16	12:29
MW C	SC26798-02	2679802.D	10/10/16	12:57
MW D	SC26798-03	2679803.D	10/10/16	13:25
MW E	SC26798-04	2679804.D	10/10/16	13:53
MW F	SC26798-05	2679805.D	10/10/16	14:22
MW G	SC26798-06	2679806.D	10/10/16	14:50
MW H	SC26798-07	2679807.D	10/10/16	15:18
MW I	SC26798-08	2679808.D	10/10/16	15:47
MW J	SC26798-09	2679809.D	10/10/16	16:15
MW K	SC26798-10	2679810.D	10/10/16	16:44
MW L	SC26798-11	2679811.D	10/10/16	17:12
MW M	SC26798-12	2679812.D	10/10/16	17:41
MW N	SC26798-13	2679813.D	10/10/16	18:09
FB-9/28/16	SC26798-14	2679814.D	10/10/16	18:38
TB	SC26798-15	2679815.D	10/10/16	19:06
Matrix Spike	1617421-MS1	2679809M.D	10/10/16	19:35
Matrix Spike Dup	1617421-MSD1	2679809R.D	10/10/16	20:03

FORM IV - METHOD BLANK SUMMARY

1617421-BLK1

SW846 8260C TICs

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Matrix:	Aqueous	Laboratory ID:	1617421-BLK1	File ID:	BK81010B.D
		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml
Analyzed:	10/10/16 09:12	Instrument:	HPV8		
Batch:	1617421	Sequence:	S608592	Calibration:	1610011

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
MW B	SC26798-01	2679801.D	10/10/16	12:29
MW C	SC26798-02	2679802.D	10/10/16	12:57
MW D	SC26798-03	2679803.D	10/10/16	13:25
MW E	SC26798-04	2679804.D	10/10/16	13:53
MW F	SC26798-05	2679805.D	10/10/16	14:22
MW G	SC26798-06	2679806.D	10/10/16	14:50
MW H	SC26798-07	2679807.D	10/10/16	15:18
MW I	SC26798-08	2679808.D	10/10/16	15:47
MW J	SC26798-09	2679809.D	10/10/16	16:15
MW K	SC26798-10	2679810.D	10/10/16	16:44
MW L	SC26798-11	2679811.D	10/10/16	17:12
MW M	SC26798-12	2679812.D	10/10/16	17:41
MW N	SC26798-13	2679813.D	10/10/16	18:09
FB-9/28/16	SC26798-14	2679814.D	10/10/16	18:38
TB	SC26798-15	2679815.D	10/10/16	19:06

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

MW B

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-01	File ID:	20161011-120
Sampled:	09/27/16 13:10	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	22.3	1	0.0031	0.0200	
7439-96-5	Manganese	1.65	1	0.0016	0.0040	
7440-02-0	Nickel	0.0202	1	0.0042	0.0100	
7440-09-7	Potassium	7.09	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	320	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0100	1	0.0048	0.0100	U
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.670	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	309	1	0.0244	0.200	
7440-47-3	Chromium	0.0562	1	0.0015	0.0100	
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0040	1	0.0024	0.0100	J
7439-89-6	Iron	0.552	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

MW C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-02	File ID:	20161011-121
Sampled:	09/27/16 12:17	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	14.5	1	0.0031	0.0200	
7439-96-5	Manganese	0.0040	1	0.0016	0.0040	U
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	3.10	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	85.0	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0060	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0043	1	0.0023	0.0120	J
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.166	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	88.5	1	0.0244	0.200	
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.0135	1	0.0091	0.0300	J
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

MW D

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-03	File ID:	20161011-122
Sampled:	09/27/16 10:56	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	37.6	1	0.0031	0.0200	
7439-96-5	Manganese	1.61	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	5.96	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	146	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0052	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.345	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	249	1	0.0244	0.200	
7440-47-3	Chromium	0.0017	1	0.0015	0.0100	J
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.142	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

MW E

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-04	File ID:	20161011-123
Sampled:	09/27/16 14:09	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	22.9	1	0.0031	0.0200	
7439-96-5	Manganese	0.0082	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	3.32	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	125	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0100	1	0.0048	0.0100	U
7429-90-5	Aluminum	0.0384	1	0.0243	0.0500	J
7440-36-0	Antimony	0.0028	1	0.0023	0.0120	J
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.219	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	130	1	0.0244	0.200	
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.0738	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

MW F

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-05	File ID:	20161011-124
Sampled:	09/27/16 17:03	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	17.1	1	0.0031	0.0200	
7439-96-5	Manganese	0.586	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	3.64	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	72.6	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0957	1	0.0048	0.0100	
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0041	1	0.0023	0.0120	J
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.0364	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	417	1	0.0244	0.200	
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	3.69	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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SW846 6010C

MW G

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-06	File ID:	20161011-125
Sampled:	09/27/16 11:25	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	28.0	1	0.0031	0.0200	
7439-96-5	Manganese	0.542	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	6.98	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	168	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0088	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.766	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	252	1	0.0244	0.200	
7440-47-3	Chromium	0.0018	1	0.0015	0.0100	J
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.0429	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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SW846 6010C

MW H

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-07	File ID:	20161011-126
Sampled:	09/27/16 09:30	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	41.6	1	0.0031	0.0200	
7439-96-5	Manganese	0.823	1	0.0016	0.0040	
7440-02-0	Nickel	0.0057	1	0.0042	0.0100	J
7440-09-7	Potassium	11.4	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	226	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0129	1	0.0048	0.0100	
7429-90-5	Aluminum	0.0340	1	0.0243	0.0500	J
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.241	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	311	1	0.0244	0.200	
7440-47-3	Chromium	0.0082	1	0.0015	0.0100	J
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	3.78	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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MW I

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-08	File ID:	20161011-129
Sampled:	09/27/16 16:03	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	23.2	1	0.0031	0.0200	
7439-96-5	Manganese	2.06	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	5.65	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	175	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0053	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0058	1	0.0031	0.0080	J
7440-39-3	Barium	1.33	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	241	1	0.0244	0.200	
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	4.20	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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SW846 6010C

MW J

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-09	File ID:	20161011-131
Sampled:	09/27/16 10:00	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	24.3	1	0.0031	0.0200	
7439-96-5	Manganese	0.0040	1	0.0016	0.0040	U
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	3.70	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	144	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0100	1	0.0048	0.0100	U
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0031	1	0.0023	0.0120	J
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.233	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	142	1	0.0244	0.200	
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.0194	1	0.0091	0.0300	J
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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MW J

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-09RE1	File ID:	20161012-057
Sampled:	09/27/16 10:00	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617618	Sequence:	S608723	Calibration:	1610044
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7440-23-5	Sodium	139	1	0.152	0.500	
7440-70-2	Calcium	145	1	0.0244	0.200	

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MW K

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-10	File ID:	20161011-141
Sampled:	09/27/16 13:13	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	23.4	1	0.0031	0.0200	
7439-96-5	Manganese	3.14	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	3.42	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	99.5	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0099	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0353	1	0.0243	0.0500	J
7440-36-0	Antimony	0.0035	1	0.0023	0.0120	J
7440-38-2	Arsenic	0.0057	1	0.0031	0.0080	J
7440-39-3	Barium	1.23	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	150	1	0.0244	0.200	
7440-47-3	Chromium	0.0015	1	0.0015	0.0100	J
7440-48-4	Cobalt	0.0016	1	0.0007	0.0100	J
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.694	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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MW L

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-11	File ID:	20161011-142
Sampled:	09/27/16 15:01	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	28.7	1	0.0031	0.0200	
7439-96-5	Manganese	0.0602	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	4.09	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	178	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0049	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.201	1	0.0243	0.0500	
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.256	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	159	1	0.0244	0.200	
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.446	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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MW M

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-12	File ID:	20161011-143
Sampled:	09/27/16 14:55	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	39.0	1	0.0031	0.0200	
7439-96-5	Manganese	4.01	1	0.0016	0.0040	
7440-02-0	Nickel	0.0597	1	0.0042	0.0100	
7440-09-7	Potassium	17.4	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	622	5	0.760	2.50	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0067	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0041	1	0.0023	0.0120	J
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.0555	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	538	5	0.122	1.00	
7440-47-3	Chromium	0.117	1	0.0015	0.0100	
7440-48-4	Cobalt	0.0009	1	0.0007	0.0100	J
7440-50-8	Copper	0.0178	1	0.0024	0.0100	
7439-89-6	Iron	2.98	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0019	1	0.0015	0.0100	J

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MW N

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-13	File ID:	20161011-144
Sampled:	09/27/16 07:45	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	25.6	1	0.0031	0.0200	
7439-96-5	Manganese	0.181	1	0.0016	0.0040	
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	4.44	1	0.196	1.00	
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	156	1	0.152	0.500	
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0100	1	0.0048	0.0100	U
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.258	1	0.0008	0.0100	
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	165	1	0.0244	0.200	
7440-47-3	Chromium	0.0102	1	0.0015	0.0100	
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.0404	1	0.0091	0.0300	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

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FB-9/28/16

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-14	File ID:	20161011-145
Sampled:	09/28/16 12:00	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Batch:	1617381	Sequence:	S608717	Calibration:	1610043
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0150	1	0.0044	0.0150	U
7439-95-4	Magnesium	0.0033	1	0.0031	0.0200	J
7439-96-5	Manganese	0.0040	1	0.0016	0.0040	U
7440-02-0	Nickel	0.0100	1	0.0042	0.0100	U
7440-09-7	Potassium	1.00	1	0.196	1.00	U
7782-49-2	Selenium	0.0300	1	0.0073	0.0300	U
7440-23-5	Sodium	0.500	1	0.152	0.500	U
7440-28-0	Thallium	0.0100	1	0.0043	0.0100	U
7440-66-6	Zinc	0.0064	1	0.0048	0.0100	J
7429-90-5	Aluminum	0.0500	1	0.0243	0.0500	U
7440-36-0	Antimony	0.0120	1	0.0023	0.0120	U
7440-38-2	Arsenic	0.0080	1	0.0031	0.0080	U
7440-39-3	Barium	0.0100	1	0.0008	0.0100	U
7440-41-7	Beryllium	0.0040	1	0.0004	0.0040	U
7440-43-9	Cadmium	0.0050	1	0.0005	0.0050	U
7440-70-2	Calcium	0.200	1	0.0244	0.200	U
7440-47-3	Chromium	0.0100	1	0.0015	0.0100	U
7440-48-4	Cobalt	0.0100	1	0.0007	0.0100	U
7440-50-8	Copper	0.0100	1	0.0024	0.0100	U
7439-89-6	Iron	0.0300	1	0.0091	0.0300	U
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0100	1	0.0015	0.0100	U

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: ICAP
Calibration: 1610043
Sequence: S608717

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S608717-ICB1	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C
	Zinc	BRL	0.0100	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	-.001	0.0100	mg/l	J	SW846 6010C
	Beryllium	-.0006	0.0040	mg/l	J	SW846 6010C
	Cadmium	-.00051	0.0050	mg/l	J	SW846 6010C
	Calcium	-.0259	0.200	mg/l	J	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C
	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C
S608717-CCB1	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	0.0186	0.0200	mg/l	J	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C
	Zinc	BRL	0.0100	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	BRL	0.0100	mg/l	U	SW846 6010C
	Beryllium	BRL	0.0040	mg/l	U	SW846 6010C
	Cadmium	BRL	0.0050	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: ICAP
Calibration: 1610043
Sequence: S608717

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S608717-CCB1	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C
S608717-CCB2	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C
	Zinc	BRL	0.0100	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	-.0008	0.0100	mg/l	J	SW846 6010C
	Beryllium	-.00047	0.0040	mg/l	J	SW846 6010C
	Cadmium	BRL	0.0050	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C
	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C
1617381-BLK1	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C
	Zinc	0.0052	0.0100	mg/l	J	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	BRL	0.0100	mg/l	U	SW846 6010C

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: ICAP
Calibration: 1610043
Sequence: S608717

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1617381-BLK1	Beryllium	BRL	0.0040	mg/l	U	SW846 6010C
	Cadmium	BRL	0.0050	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C
	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C
S608717-CCB3	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C
	Zinc	BRL	0.0100	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	-.001	0.0100	mg/l	J	SW846 6010C
	Beryllium	-.00049	0.0040	mg/l	J	SW846 6010C
	Cadmium	BRL	0.0050	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C
	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C
S608717-CCB4	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: ICAP
Calibration: 1610043
Sequence: S608717

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S608717-CCB4	Zinc	BRL	0.0100	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	-.001	0.0100	mg/l	J	SW846 6010C
	Beryllium	-.00046	0.0040	mg/l	J	SW846 6010C
	Cadmium	BRL	0.0050	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C
	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C
S608717-CCB5	Nickel	BRL	0.0100	mg/l	U	SW846 6010C
	Lead	BRL	0.0150	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
	Manganese	BRL	0.0040	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
	Selenium	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Thallium	BRL	0.0100	mg/l	U	SW846 6010C
	Zinc	BRL	0.0100	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Arsenic	BRL	0.0080	mg/l	U	SW846 6010C
	Barium	-.0008	0.0100	mg/l	J	SW846 6010C
	Beryllium	-.00046	0.0040	mg/l	J	SW846 6010C
	Cadmium	BRL	0.0050	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Chromium	BRL	0.0100	mg/l	U	SW846 6010C
	Cobalt	BRL	0.0100	mg/l	U	SW846 6010C
	Copper	BRL	0.0100	mg/l	U	SW846 6010C
	Silver	BRL	0.0100	mg/l	U	SW846 6010C
	Vanadium	BRL	0.0100	mg/l	U	SW846 6010C

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: ICAP
Calibration: 1610044
Sequence: S608723

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S608723-ICB1	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	BRL	0.0300	mg/l	U	SW846 6010C
S608723-CCB1	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	0.0104	0.0300	mg/l	J	SW846 6010C
S608723-CCB2	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	BRL	0.0300	mg/l	U	SW846 6010C
1617618-BLK1	Sodium	0.392	0.500	mg/l	J	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	BRL	0.0300	mg/l	U	SW846 6010C
S608723-CCB3	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	BRL	0.0300	mg/l	U	SW846 6010C
S608723-CCB4	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	BRL	0.0300	mg/l	U	SW846 6010C
S608723-CCB5	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Iron	BRL	0.0300	mg/l	U	SW846 6010C

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: ICAP5
Calibration: 1610047
Sequence: S608760

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S608760-ICB1	Antimony	0.0038	0.0120	mg/l	J	SW846 6010C
S608760-CCB1	Antimony	BRL	0.0120	mg/l	U	SW846 6010C
1617663-BLK1	Antimony	0.0031	0.0120	mg/l	J	SW846 6010C
S608760-CCB2	Antimony	0.0024	0.0120	mg/l	J	SW846 6010C
S608760-CCB3	Antimony	0.0044	0.0120	mg/l	J	SW846 6010C
S608760-CCB4	Antimony	BRL	0.0120	mg/l	U	SW846 6010C

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

SW846 6010C

MW J

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Matrix: Aqueous
Laboratory ID: 1617381-PS1
Batch: 1617381
Lab Source ID: SC26798-09
Preparation: SW846 3005A
Initial/Final: 50 ml / 50 ml
Source Sample Name: MW J
% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Nickel	80 - 120	2.50	BRL	2.50	100	SW846 6010C
Lead	80 - 120	2.55	BRL	2.50	102	SW846 6010C
Magnesium	80 - 120	27.5	24.3	2.50	126 *	SW846 6010C
Manganese	80 - 120	2.73	BRL	2.50	109	SW846 6010C
Potassium	80 - 120	29.3	3.70	25.0	102	SW846 6010C
Selenium	80 - 120	2.72	BRL	2.50	109	SW846 6010C
Sodium	80 - 120	158	144	12.5	110	SW846 6010C
Thallium	80 - 120	2.73	BRL	2.50	109	SW846 6010C
Zinc	80 - 120	2.62	BRL	2.50	105	SW846 6010C
Aluminum	80 - 120	2.99	BRL	2.50	120	SW846 6010C
Arsenic	80 - 120	2.69	BRL	2.50	108	SW846 6010C
Barium	80 - 120	3.13	0.233	2.50	116	SW846 6010C
Beryllium	80 - 120	2.97	BRL	2.50	119	SW846 6010C
Cadmium	80 - 120	2.50	BRL	2.50	100	SW846 6010C
Calcium	80 - 120	154	142	12.5	102	SW846 6010C
Chromium	80 - 120	2.78	BRL	2.50	111	SW846 6010C
Cobalt	80 - 120	2.45	BRL	2.50	98	SW846 6010C
Copper	80 - 120	2.83	BRL	2.50	113	SW846 6010C
Silver	80 - 120	2.77	BRL	2.50	111	SW846 6010C
Vanadium	80 - 120	2.69	BRL	2.50	108	SW846 6010C

* Values outside of QC limits

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

SW846 6010C

MW J

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

Client: Eurofins Spectrum Analytical, Inc. - RI

Matrix: Aqueous

Batch: 1617618

Preparation: SW846 3005A

SDG: 26798

Project: 211 Franklin Street

Laboratory ID: 1617618-PS1

Lab Source ID: SC26798-09

Initial/Final: 50 ml / 50 ml

Source Sample Name: MW J

% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Sodium	80 - 120	152	139	12.5	103	SW846 6010C
Calcium	80 - 120	160	145	12.5	118	SW846 6010C
Iron	80 - 120	2.83	0.0194	2.50	113	SW846 6010C

* Values outside of QC limits

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

SW846 6010C

MW J

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

Client: Eurofins Spectrum Analytical, Inc. - RI

Matrix: Aqueous

Batch: 1617663

Preparation: SW846 3005A

SDG: 26798

Project: 211 Franklin Street

Laboratory ID: 1617663-PS1

Lab Source ID: SC26798-09

Initial/Final: 50 ml / 50 ml

Source Sample Name: MW J

% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Antimony	80 - 120	2.70	0.0031	2.50	108	SW846 6010C

* Values outside of QC limits

FORM IIIc - DUPLICATES

MW J

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
Client: Eurofins Spectrum Analytical, Inc. - RI
Matrix: Aqueous
Batch: 1617381
Preparation: SW846 3005A
Source Sample Name: MW J

SDG: 26798
Project: 211 Franklin Street
Laboratory ID: 1617381-DUP1
Lab Source ID: SC26798-09
Initial/Final: 50 ml / 50 ml
% Solids:
File ID: 20161011-132

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Nickel	20	BRL		BRL				SW846 6010C
Lead	20	BRL		BRL				SW846 6010C
Magnesium	20	24.3		24.2		0.4		SW846 6010C
Manganese	20	BRL		BRL				SW846 6010C
Potassium	20	3.70		3.57		4		SW846 6010C
Selenium	20	BRL		BRL				SW846 6010C
Sodium	20	144		142		2		SW846 6010C
Thallium	20	BRL		BRL				SW846 6010C
Zinc	20	BRL		BRL				SW846 6010C
Aluminum	20	BRL		BRL				SW846 6010C
Arsenic	20	BRL		BRL				SW846 6010C
Barium	20	0.233		0.229		2		SW846 6010C
Beryllium	20	BRL		BRL				SW846 6010C
Cadmium	20	BRL		BRL				SW846 6010C
Calcium	20	142		139		2		SW846 6010C
Chromium	20	BRL		BRL				SW846 6010C
Cobalt	20	BRL		BRL				SW846 6010C
Copper	20	BRL		BRL				SW846 6010C
Silver	20	BRL		BRL				SW846 6010C
Vanadium	20	BRL		BRL				SW846 6010C

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIc - DUPLICATES

MW J

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
Client: Eurofins Spectrum Analytical, Inc. - RI
Matrix: Aqueous
Batch: 1617618
Preparation: SW846 3005A
Source Sample Name: MW J

SDG: 26798
Project: 211 Franklin Street
Laboratory ID: 1617618-DUP1
Lab Source ID: SC26798-09
Initial/Final: 50 ml / 50 ml
% Solids:
File ID: 20161012-058

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Sodium	20	139		139		0.4		SW846 6010C
Calcium	20	145		146		0.5		SW846 6010C
Iron	20	0.0194		0.0201		4		SW846 6010C

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIc - DUPLICATES

MW J

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
Client: Eurofins Spectrum Analytical, Inc. - RI
Matrix: Aqueous
Batch: 1617663
Preparation: SW846 3005A
Source Sample Name: MW J

SDG: 26798
Project: 211 Franklin Street
Laboratory ID: 1617663-DUP1
Lab Source ID: SC26798-09
Initial/Final: 50 ml / 50 ml
% Solids:
File ID: 20161013-033

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Antimony	20	0.0031		BRL				SW846 6010C

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP
Batch:	1617381	Laboratory ID:	1617381-BS1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Analyzed:	10/11/16 21:20	Spike ID:	16I1016
		File ID:	20161011-118

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Nickel	2.50	2.58	103	85 - 115
Lead	2.50	2.61	104	85 - 115
Magnesium	2.50	2.76	111	85 - 115
Manganese	2.50	2.73	109	85 - 115
Potassium	25.0	25.3	101	85 - 115
Selenium	2.50	2.64	106	85 - 115
Sodium	12.5	13.0	104	85 - 115
Thallium	2.50	2.77	111	85 - 115
Zinc	2.50	2.64	106	85 - 115
Aluminum	2.50	2.89	115	85 - 115
Arsenic	2.50	2.57	103	85 - 115
Barium	2.50	2.90	116 *	85 - 115
Beryllium	2.50	2.94	118 *	85 - 115
Cadmium	2.50	2.51	100	85 - 115
Calcium	12.5	12.7	102	85 - 115
Chromium	2.50	2.82	113	85 - 115
Cobalt	2.50	2.49	100	85 - 115
Copper	2.50	2.79	112	85 - 115
Silver	2.50	2.63	105	85 - 115
Vanadium	2.50	2.58	103	85 - 115

File ID: 20161011-119

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Nickel	2.50	2.54	102	1	20	85 - 115
Lead	2.50	2.61	104	0.2	20	85 - 115
Magnesium	2.50	2.78	111	0.6	20	85 - 115
Manganese	2.50	2.80	112	3	20	85 - 115
Potassium	25.0	24.4	98	4	20	85 - 115
Selenium	2.50	2.59	104	2	20	85 - 115

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP
Batch:	1617381	Laboratory ID:	1617381-BSD1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Analyzed:	10/11/16 21:26	Spike ID:	16I1016
		File ID:	20161011-119

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sodium	12.5	12.9	103	0.5	20	85 - 115
Thallium	2.50	2.74	110	1	20	85 - 115
Zinc	2.50	2.65	106	0.4	20	85 - 115
Aluminum	2.50	2.84	113	2	20	85 - 115
Arsenic	2.50	2.56	102	0.5	20	85 - 115
Barium	2.50	2.86	114	1	20	85 - 115
Beryllium	2.50	2.89	116 *	2	20	85 - 115
Cadmium	2.50	2.52	101	0.4	20	85 - 115
Calcium	12.5	12.6	101	0.9	20	85 - 115
Chromium	2.50	2.79	112	1	20	85 - 115
Cobalt	2.50	2.48	99	0.2	20	85 - 115
Copper	2.50	2.77	111	0.8	20	85 - 115
Silver	2.50	2.71	108	3	20	85 - 115
Vanadium	2.50	2.70	108	4	20	85 - 115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP
Batch:	1617618	Laboratory ID:	1617618-BS1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Analyzed:	10/12/16 13:21	Spike ID:	16I1016
		File ID:	20161012-044

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Sodium	12.5	12.4	99	85 - 115
Calcium	12.5	13.0	104	85 - 115
Iron	2.50	2.81	112	85 - 115

File ID: 20161012-045

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sodium	12.5	12.4	99	0.2	20	85 - 115
Calcium	12.5	13.1	105	0.8	20	85 - 115
Iron	2.50	2.84	113	1	20	85 - 115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP5
Batch:	1617663	Laboratory ID:	1617663-BS1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Analyzed:	10/13/16 11:03	Spike ID:	16I1016
		File ID:	20161013-019

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Antimony	2.50	2.64	106	85 - 115

File ID: 20161013-020

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Antimony	2.50	2.60	104	2	20	85 - 115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP
Batch:	1617381	Laboratory ID:	1617381-MS1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16I1016
		File ID:	20161011-133

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Nickel	2.50	BRL	2.54	101	75 - 125
Lead	2.50	BRL	2.56	103	75 - 125
Magnesium	2.50	24.3	27.1	110	75 - 125
Manganese	2.50	BRL	2.67	107	75 - 125
Potassium	25.0	3.70	29.5	103	75 - 125
Selenium	2.50	BRL	2.75	110	75 - 125
Sodium	12.5	144	156	99	75 - 125
Thallium	2.50	BRL	2.73	109	75 - 125
Zinc	2.50	BRL	2.61	104	75 - 125
Aluminum	2.50	BRL	3.00	120	75 - 125
Arsenic	2.50	BRL	2.70	108	75 - 125
Barium	2.50	0.233	3.11	115	75 - 125
Beryllium	2.50	BRL	2.98	119	75 - 125
Cadmium	2.50	BRL	2.51	100	75 - 125
Calcium	12.5	142	154	98	75 - 125
Chromium	2.50	BRL	2.79	111	75 - 125
Cobalt	2.50	BRL	2.46	98	75 - 125
Copper	2.50	BRL	2.83	113	75 - 125
Silver	2.50	BRL	2.70	108	75 - 125
Vanadium	2.50	BRL	2.60	104	70 - 130

File ID: 20161011-134

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Nickel	2.50	2.43	97	4	20	75 - 125
Lead	2.50	2.49	99	3	20	75 - 125
Magnesium	2.50	26.8	99	1	20	75 - 125
Manganese	2.50	2.68	107	0.3	20	75 - 125
Potassium	25.0	29.2	102	1	20	75 - 125
Selenium	2.50	2.63	105	4	20	75 - 125

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP
Batch:	1617381	Laboratory ID:	1617381-MSD1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16I1016
		File ID:	20161011-134

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sodium	12.5	154	82	1	20	75 - 125
Thallium	2.50	2.71	108	0.8	20	75 - 125
Zinc	2.50	2.56	103	2	20	75 - 125
Aluminum	2.50	2.98	119	0.6	20	75 - 125
Arsenic	2.50	2.61	104	3	20	75 - 125
Barium	2.50	3.10	115	0.4	20	75 - 125
Beryllium	2.50	2.95	118	1	20	75 - 125
Cadmium	2.50	2.42	97	4	20	75 - 125
Calcium	12.5	151	77	2	20	75 - 125
Chromium	2.50	2.77	111	0.5	20	75 - 125
Cobalt	2.50	2.36	95	4	20	75 - 125
Copper	2.50	2.78	111	2	20	75 - 125
Silver	2.50	2.71	109	0.6	20	75 - 125
Vanadium	2.50	2.61	104	0.5	20	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP
Batch:	1617618	Laboratory ID:	1617618-MS1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16I1016
		File ID:	20161012-059

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Sodium	12.5	139	152	100	75 - 125
Calcium	12.5	145	159	114	75 - 125
Iron	2.50	0.0194	2.83	112	75 - 125

File ID: 20161012-060

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sodium	12.5	152	106	0.5	20	75 - 125
Calcium	12.5	160	123	0.7	20	75 - 125
Iron	2.50	2.87	114	1	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

SW846 6010C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	ICAP5
Batch:	1617663	Laboratory ID:	1617663-MS1
Preparation:	SW846 3005A	Initial/Final:	50 ml / 50 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16I1016
		File ID:	20161013-034

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Antimony	2.50	0.0031	2.67	107	75 - 125

File ID: 20161013-035

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Antimony	2.50	2.70	108	1	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW B

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-01	File ID:	101016-158
Sampled:	09/27/16 13:10	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-02	File ID:	101016-159
Sampled:	09/27/16 12:17	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

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EPA 245.1/7470A

MW D

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-03	File ID:	101016-160
Sampled:	09/27/16 10:56	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW E

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-04	File ID:	101016-161
Sampled:	09/27/16 14:09	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

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EPA 245.1/7470A

MW F

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-05	File ID:	101016-162
Sampled:	09/27/16 17:03	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW G

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-06	File ID:	101016-163
Sampled:	09/27/16 11:25	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

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EPA 245.1/7470A

MW H

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-07	File ID:	101016-164
Sampled:	09/27/16 09:30	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW I

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-08	File ID:	101016-165
Sampled:	09/27/16 16:03	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW J

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-09	File ID:	101016-168
Sampled:	09/27/16 10:00	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW K

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-10	File ID:	101016-173
Sampled:	09/27/16 13:13	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00011	1	0.00009	0.00020	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW L

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-11	File ID:	101016-174
Sampled:	09/27/16 15:01	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW M

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-12	File ID:	101016-175
Sampled:	09/27/16 14:55	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

MW N

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-13	File ID:	101016-176
Sampled:	09/27/16 07:45	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

FB-9/28/16

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI			Project:	211 Franklin Street
Project Number:	R0915			Received:	10/06/16 19:10
Matrix:	Aqueous	Laboratory ID:	SC26798-14	File ID:	101016-180
Sampled:	09/28/16 12:00	Prepared:	10/10/16 10:30		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1617382	Sequence:	S608718	Calibration:	1610032
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

FORM III - BLANKS

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Instrument ID: Mercury4
Calibration: 1610032
Sequence: S608718

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S608718-ICB1	Mercury	0.1327	0.200	µg/l	J	EPA 245.1/7470A
S608718-CCB1	Mercury	0.182	0.200	µg/l	J	EPA 245.1/7470A
S608718-CCB2	Mercury	0.1475	0.200	µg/l	J	EPA 245.1/7470A
1617382-BLK1	Mercury	BRL	0.00020	mg/l	U	EPA 245.1/7470A
S608718-CCB3	Mercury	0.1609	0.200	µg/l	J	EPA 245.1/7470A
S608718-CCB4	Mercury	0.1647	0.200	µg/l	J	EPA 245.1/7470A
S608718-CCB5	Mercury	0.1481	0.200	µg/l	J	EPA 245.1/7470A

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

EPA 245.1/7470A

MW J

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 26798
Client: Eurofins Spectrum Analytical, Inc. - RI
Project: 211 Franklin Street
Matrix: Aqueous
Laboratory ID: 1617382-PS1
Batch: 1617382
Lab Source ID: SC26798-09
Preparation: EPA200/SW7000 Series
Initial/Final: 20 ml / 20 ml
Source Sample Name: MW J
% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Mercury	85 - 115	0.00490	BRL	0.00500	98	EPA 245.1/7470A

* Values outside of QC limits

FORM IIIc - DUPLICATES

MW J

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
Client: Eurofins Spectrum Analytical, Inc. - RI
Matrix: Aqueous
Batch: 1617382
Preparation: EPA200/SW7000 Series
Source Sample Name: MW J

SDG: 26798
Project: 211 Franklin Street
Laboratory ID: 1617382-DUP1
Lab Source ID: SC26798-09
Initial/Final: 20 ml / 20 ml
% Solids:
File ID: 101016-169

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Mercury	20	BRL		BRL				EPA 245.1/7470A

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

EPA 245.1/7470A

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	Mercury4
Batch:	1617382	Laboratory ID:	1617382-BS1
Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Analyzed:	10/10/16 17:32	Spike ID:	16J0262
		File ID:	101016-157

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Mercury	0.00500	0.00467	93	85 - 115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW J

EPA 245.1/7470A

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	26798
Client:	Eurofins Spectrum Analytical, Inc. - RI	Project:	211 Franklin Street
Matrix:	Aqueous	Instrument:	Mercury4
Batch:	1617382	Laboratory ID:	1617382-MS1
Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Source Sample Name:	MW J	% Solids:	
		Spike ID:	16J0262
		File ID:	101016-170

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Mercury	0.00500	BRL	0.00468	94	80 - 120

File ID: 101016-171

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Mercury	0.00500	0.00491	98	5	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ATTACHMENT F

SAMPLING LOGS FOR MARCH 22-23, 2016 INDOOR AIR SAMPLING EVENT

PREFORM OFFICE

day
DAY ENVIRONMENTAL, INC

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

Air Sampling Log

Project #: 4884S-13

Project Address: 211 Franklin Street
Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Canister #: 661

Sample Location: PREFORM OFFICE

Regulator #: 2930

Sample Designation: 4

Start: 1309

Test Duration: 7hr 26m

End: 2035

Time	Vacuum Gage Reading (inches of Hg)	Notes
1309	29	START
1348	26	
1414	24	
1446	22	
1513	20	
1555	17	
1707	12	
1757	8	
1830	7	
1857	6	
1943	4	
2018	3	
2035	2	STOP

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ROCHESTER, NEW YORK 14606
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FAX (585) 454-0825

www.dayenvironmental.com

Air Sampling Log
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NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

LIQUIDS PRODUCTION

day
DAY ENVIRONMENTAL, INC

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C

Air Sampling Log

Page 1 of 1

Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Canister #: 257

Sample Location: LIQUIDS PRODUCTION

Regulator #: 78

Sample Designation: 5

Start: 1311

Test Duration: 8 hr.

End: 2111

Time	Vacuum Gage Reading (inches of Hg)	Notes
1311	30	START
1350	29	
1418	27	
1447	26	
1517	25	
1556	23	
1705	20 1/2	
1755	18 1/2	
1834	17	
1854	16	
1942	14	
2033	12	
2111	10 1/2	

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OFFICE

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Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

Air Sampling Log

DAY Representative: TER

Canister #: 658

Sample Location: OFFICE

Regulator #: 2883

Sample Designation: 1

Start: 1305

Test Duration: 8 hr.

End: 2105

Time	Vacuum Gage Reading (inches of Hg)	Notes
1305	30	START
1346	29	
1413	28	
1443	27	
1511	25	
1553	24	
1709	20 1/2	
1800	18 1/2	
1827	17	
1856	16	
1945	14	
2037	12	
2105	10 1/2	STOP

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CAFETERIA STAIRWAY

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Air Sampling Log

Page 1 of 1

Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Sample Location: CAFETERIA STAIRWELL

Sample Designation: 2-1 / 2-2

Test Duration: ① 28hr 28m ② 4hr 14min

	①	②
Canister #:	0647	4630
Regulator #:		7
Start:	1302	1412
End:	3/23 1730	1826

Time	Vacuum Gage Reading (inches of Hg)	Notes
#1 1302	30+	START
1345	30+	
1412	30+	
1441	30+	
1509	30+	
1552	30+	
1802	29 1/2	3/23 0930 11"
1826	28	1148 10
1947	26	1345 10
2040	24	1730 9
#2 4630 1412	21	
REG 7 1441	19	
1509	16	
1552	14	
1711	8	
1802	4	
1826	1	STOP

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CAFETERIA
STAIRWELL # 3

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Air Sampling Log

Page 1 of 1

Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Sample Location: PREFORM STAIRWELL

Sample Designation: 2-3-

Test Duration: 8 hr.

Canister #: 0259

Regulator #: 2848

Start: 0930

End: 1730

Time	Vacuum Gage Reading (inches of Hg)	Notes
0930	26 1/2	START
1148	21	
1345	15 1/2	
1730	7	STOP

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COMPRESSOR ROOM

day
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Air Sampling Log

Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Canister #: 499

Sample Location: COMPRESSOR Room

Regulator #: 1550

Sample Designation: 6

Start: 1312

Test Duration: 7 hr. 6 min

End: 2018

Time	Vacuum Gage Reading (inches of Hg)	Notes
1312	30	START
1351	28	
1419	26	
1449	24	
1517	22	
1557	19	
1705	13 1/2	
1755	9 1/2	
1835	6 1/2	
1854	5	
1941	4	
2018	4	STOP

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PREFORM
STAIRWELL

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Air Sampling Log

Page 1 of 1

Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Canister #: 278

Sample Location: PREFORM STAIRWELL

Regulator #: 2971

Sample Designation: 3

Start: 1307

Test Duration: 7 hr.

End: 2007

Time	Vacuum Gage Reading (inches of Hg)	Notes
1307	30	START
1347	27	
1414	25	
1444	22	
1512	20	
1555	16	
1707	10	
1758	6	
1829	3 1/2	
1859	3	
1944	3	
2007	2 1/2	STOP

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OUTSIDE

day
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Air Sampling Log

Page 1 of 1

Project #: 4884S-13

Project Address: 211 Franklin Street

Olean, New York

Sample Type: Indoor Air

Date: 3/22/2016

DAY Representative: TER

Canister #: 7632

Sample Location: OUTSIDE

Regulator #: 2983

Sample Designation: 7

Start: 1315

Test Duration: 7 hr

End: 2015

Time	Vacuum Gage Reading (inches of Hg)	Notes
1315	29	START
1355	27	
1415	25	
1450	23	
1515	20	
1550	17 1/2	
1721	10	
1808	7	
1832	6	
1852	5	
1912	4	
1950	3	
2015	2 1/2	STOP

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ATTACHMENT G

ANALYTICAL LABORATORY REPORT FOR MARCH 22-23, 2016 INDOOR AIR SAMPLING EVENT

eurofins | Spectrum Analytical

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Report Date:
12-Apr-16 09:31

Laboratory Report

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

Project: Sol Epoxy - Olean, NY
Project #: 4884S-13

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SC19464-01	4	Summa canister 6 liter	Air	22-Mar-16 20:35	24-Mar-16 12:23
SC19464-02	5	Summa canister 6 liter	Air	22-Mar-16 21:11	24-Mar-16 12:23
SC19464-03	1	Summa canister 6 liter	Air	22-Mar-16 21:05	24-Mar-16 12:23
SC19464-04	2-3	Summa canister 6 liter	Air	23-Mar-16 17:30	24-Mar-16 12:23
SC19464-05	6	Summa canister 6 liter	Air	22-Mar-16 20:18	24-Mar-16 12:23
SC19464-06	3	Summa canister 6 liter	Air	22-Mar-16 20:07	24-Mar-16 12:23
SC19464-07	7	Summa canister 6 liter	Air	22-Mar-16 20:15	24-Mar-16 12:23

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

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

June O'Connor
Laboratory Director

Eurofins Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 36 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

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

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

Samples are received and the pressure is recorded from the gauge on the canister. If a canister does not have a gauge, a vacuum gauge is attached to the valve and pressure is recorded. If the canister is below -10 psig, the can must be pressurized to 0 psig. Tedlar bags do not have the pressure recorded. The can pressure can be located within this report in the sample header information.

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

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

EPA TO-15 SIM

Calibration:

1603045

Analyte quantified by quadratic equation type calibration.

Tetrachloroethene
Trichloroethene

This affected the following samples:

1
1605766-BLK1
1605766-BLK2
1605766-BS1
1605766-BSD1
2-3
3
4
5
6
7
S602406-ICV1
S602812-CCV1
S602812-CCV2
S602812-CCV3

EPA TO-15L

Calibration:

1603045

EPA TO-15L

Calibration:

1603045

Analyte quantified by quadratic equation type calibration.

1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
2-Butanone (MEK)
2-Hexanone (MBK)
4-Ethyltoluene
4-Isopropyltoluene
Acetone
Benzyl chloride
Bromoform
Bromomethane
Carbon disulfide
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Dibromochloromethane
Ethanol
Isopropyl alcohol
Methylene chloride
Naphthalene
n-Butylbenzene
Propene
sec-Butylbenzene
Styrene
trans-1,3-Dichloropropene

EPA TO-15L

Calibration:

1603045

This affected the following samples:

1
1605766-BLK1
1605766-BLK2
1605766-BS1
1605766-BS2
1605766-BSD1
1605766-BSD2
1605866-BLK1
1605866-BS1
1605866-BSD1
1605968-BLK1
1605968-BS1
1605968-BSD1
2-3
3
4
5
6
7
S602406-ICV1
S602406-ICV2
S602812-CCV1
S602812-CCV2
S602812-CCV3
S602827-CCV1
S602827-CCV2
S602896-CCV1
S602896-CCV2

S602406-ICV1

Analyte percent recovery is outside individual acceptance criteria (70-130).

1,2,4-Trichlorobenzene (160%)
n-Butylbenzene (149%)

This affected the following samples:

1
1605766-BLK1
1605766-BLK2
1605766-BS1
1605766-BSD1
1605968-BLK1
2-3
3
4
5
6
7
S602812-CCV1
S602812-CCV2
S602812-CCV3

Laboratory Control Samples:

1605766 BS/BSD

EPA TO-15L

Laboratory Control Samples:

1605766 BS/BSD

1,2,4-Trichlorobenzene percent recoveries (152/158) are outside individual acceptance criteria (65-135), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

1
2-3
3
4
5
6
7

1605866 BS/BSD

Ethanol percent recoveries (146/132) are outside individual acceptance criteria (65-135), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

1
2-3
3
4

Samples:

S602812-CCV1

Analyte percent difference is outside individual acceptance criteria (30), but within overall method allowances.

Dichlorodifluoromethane (Freon12) (42.2%)

Analyte percent drift is outside individual acceptance criteria (30), but within overall method allowances.

Chloromethane (37.5%)
Propene (81.5%)

This affected the following samples:

1
1605766-BLK1
1605766-BLK2
1605766-BS1
1605766-BSD1
2-3
3
4
5
6
7

S602812-CCV2

Analyte percent drift is outside individual acceptance criteria (30), but within overall method allowances.

Ethanol (38.5%)
Propene (40.5%)

EPA TO-15L

Samples:

S602812-CCV2

This affected the following samples:

1
1605766-BLK1
1605766-BLK2
1605766-BS1
1605766-BSD1
2-3
3
4
5
6
7

S602812-CCV3

Analyte percent difference is outside individual acceptance criteria (30), but within overall method allowances.

Dichlorodifluoromethane (Freon12) (35.6%)

Analyte percent drift is outside individual acceptance criteria (30), but within overall method allowances.

Propene (70.5%)

This affected the following samples:

1
1605766-BLK1
1605766-BLK2
1605766-BS1
1605766-BSD1
2-3
3
4
5
6
7

SC19464-01 *4*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Acetone
Ethanol
Isopropyl alcohol
Trichlorofluoromethane (Freon 11)

SC19464-01RE1 *4*

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

SC19464-02 *5*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Acetone

SC19464-02RE1 *5*

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

EPA TO-15L

Samples:

SC19464-03 *1*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Acetone
Ethanol

SC19464-03RE1 *1*

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

SC19464-04 *2-3*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Acetone
Ethanol
Isopropyl alcohol

SC19464-04RE1 *2-3*

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

SC19464-04RE2 *2-3*

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

SC19464-06 *3*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Acetone
Ethanol

SC19464-06RE1 *3*

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

S602812-CRL2

Low level calibration check failed, data was accepted due to sample concentrations < MDL.

1,2-Dichlorobenzene
Methyl tert-butyl ether
Propene
trans-1,3-Dichloropropene

Low level calibration check failed, data was accepted due to sample concentrations > 3X MRL.

4-Methyl-2-pentanone (MIBK)
Dichlorodifluoromethane (Freon12)

Low level calibration check failed, data was accepted due to sample concentrations being < RDL and estimated.

1,4-Dichlorobenzene

Low level calibration check failed, reporting limit has been elevated.

1,1,2-Trichlorotrifluoroethane (Freon 113)

S602812-CRL5

EPA TO-15L

S602812-CRL5

Low level calibration check failed, data was accepted due to sample concentrations < MDL.

1,2-Dichlorobenzene
1,4-Dichlorobenzene
Tetrahydrofuran
trans-1,3-Dichloropropene

Low level calibration check failed, data was accepted due to sample concentrations > 3X MRL.

Dichlorodifluoromethane (Freon12)

Sample Acceptance Check Form

Client:	Day Environmental, Inc.
Project:	Sol Epoxy - Olean, NY / 4884S-13
Work Order:	SC19464
Sample(s) received on:	3/24/2016

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

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

Summary of Hits

Lab ID: SC19464-01 **Client ID:** 4

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.110		0.0400	ppbv	EPA TO-15 SIM
1,2,4-Trimethylbenzene	0.190		0.100	ppbv	EPA TO-15L
1,3,5-Trimethylbenzene	0.100		0.100	ppbv	EPA TO-15L
2-Butanone (MEK)	3.44		0.100	ppbv	EPA TO-15L
4-Methyl-2-pentanone (MIBK)	6.02		0.100	ppbv	EPA TO-15L
Benzene	1.57		0.100	ppbv	EPA TO-15L
Cyclohexane	0.230		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.780		0.100	ppbv	EPA TO-15L
Ethanol	64.8	E	0.500	ppbv	EPA TO-15L
Ethylbenzene	0.290		0.100	ppbv	EPA TO-15L
Hexane	1.35		0.500	ppbv	EPA TO-15L
Isopropyl alcohol	13.0	E	0.500	ppbv	EPA TO-15L
m,p-Xylene	1.16		0.200	ppbv	EPA TO-15L
Methylene chloride	0.380		0.100	ppbv	EPA TO-15L
Naphthalene	0.710		0.500	ppbv	EPA TO-15L
n-Heptane	0.520		0.100	ppbv	EPA TO-15L
o-Xylene	0.240		0.100	ppbv	EPA TO-15L
Toluene	4.23		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	10.6	E	0.100	ppbv	EPA TO-15L

Lab ID: SC19464-01RE1 **Client ID:** 4

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	118	D	10.0	ppbv	EPA TO-15L
Ethanol	93.6	D	10.0	ppbv	EPA TO-15L
Isopropyl alcohol	10.6	D	10.0	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	8.20	D	2.00	ppbv	EPA TO-15L

Lab ID: SC19464-02 **Client ID:** 5

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.120		0.0400	ppbv	EPA TO-15 SIM
Trichloroethene	0.0500		0.0400	ppbv	EPA TO-15 SIM
1,4-Dioxane	3.48		0.500	ppbv	EPA TO-15L
2-Butanone (MEK)	1.36		0.100	ppbv	EPA TO-15L
2-Hexanone (MBK)	3.16		0.100	ppbv	EPA TO-15L
4-Methyl-2-pentanone (MIBK)	4.75		0.100	ppbv	EPA TO-15L
Benzene	0.360		0.100	ppbv	EPA TO-15L
Chloroform	0.220		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.790		0.100	ppbv	EPA TO-15L
Ethanol	8.91		0.500	ppbv	EPA TO-15L
Ethyl acetate	1.54		0.100	ppbv	EPA TO-15L
Ethylbenzene	0.500		0.100	ppbv	EPA TO-15L
Isopropyl alcohol	5.03		0.500	ppbv	EPA TO-15L
m,p-Xylene	1.62		0.200	ppbv	EPA TO-15L
Methylene chloride	0.340		0.100	ppbv	EPA TO-15L
Naphthalene	1.32		0.500	ppbv	EPA TO-15L
o-Xylene	0.270		0.100	ppbv	EPA TO-15L
Toluene	0.800		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	2.15		0.100	ppbv	EPA TO-15L

Lab ID: SC19464-02RE1 **Client ID:** 5

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	59.0	D	10.0	ppbv	EPA TO-15L

Lab ID: SC19464-03 **Client ID:** 1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.0800		0.0400	ppbv	EPA TO-15 SIM
2-Butanone (MEK)	1.32		0.100	ppbv	EPA TO-15L
4-Methyl-2-pentanone (MIBK)	1.61		0.100	ppbv	EPA TO-15L
Benzene	1.14		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.840		0.100	ppbv	EPA TO-15L
Ethanol	46.6	E	0.500	ppbv	EPA TO-15L
Isopropyl alcohol	6.16		0.500	ppbv	EPA TO-15L
m,p-Xylene	0.200		0.200	ppbv	EPA TO-15L
Methylene chloride	0.340		0.100	ppbv	EPA TO-15L
n-Heptane	0.190		0.100	ppbv	EPA TO-15L
Toluene	1.39		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	7.97		0.100	ppbv	EPA TO-15L

Lab ID: SC19464-03RE1 **Client ID:** 1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	48.2	D	10.0	ppbv	EPA TO-15L
Ethanol	60.2	D	10.0	ppbv	EPA TO-15L

Lab ID: SC19464-04 **Client ID:** 2-3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.160		0.0400	ppbv	EPA TO-15 SIM
1,2,4-Trimethylbenzene	0.150		0.100	ppbv	EPA TO-15L
2-Butanone (MEK)	0.930		0.100	ppbv	EPA TO-15L
4-Methyl-2-pentanone (MIBK)	0.970		0.100	ppbv	EPA TO-15L
Benzene	0.670		0.100	ppbv	EPA TO-15L
Chloroform	0.160		0.100	ppbv	EPA TO-15L
Cyclohexane	0.250		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.830		0.100	ppbv	EPA TO-15L
Ethanol	35.5	E	0.500	ppbv	EPA TO-15L
Ethylbenzene	0.120		0.100	ppbv	EPA TO-15L
Hexane	1.74		0.500	ppbv	EPA TO-15L
Isopropyl alcohol	30.0	E	0.500	ppbv	EPA TO-15L
m,p-Xylene	0.530		0.200	ppbv	EPA TO-15L
Methylene chloride	1.03		0.100	ppbv	EPA TO-15L
n-Heptane	0.240		0.100	ppbv	EPA TO-15L
o-Xylene	0.140		0.100	ppbv	EPA TO-15L
Toluene	0.780		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	5.09		0.100	ppbv	EPA TO-15L

Lab ID: SC19464-04RE1 **Client ID:** 2-3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Ethanol	36.6	D	10.0	ppbv	EPA TO-15L
Isopropyl alcohol	26.0	D	10.0	ppbv	EPA TO-15L

Lab ID: SC19464-04RE2 **Client ID:** 2-3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	388	D	25.0	ppbv	EPA TO-15L

Lab ID: SC19464-05 **Client ID:** 6

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.110		0.0400	ppbv	EPA TO-15 SIM
1,1,2-Trichlorotrifluoroethane (Freon 113)	0.120		0.100	ppbv	EPA TO-15L
2-Butanone (MEK)	0.470		0.100	ppbv	EPA TO-15L
2-Hexanone (MBK)	0.260		0.100	ppbv	EPA TO-15L
4-Methyl-2-pentanone (MIBK)	0.170		0.100	ppbv	EPA TO-15L
Acetone	5.66		0.500	ppbv	EPA TO-15L
Benzene	0.130		0.100	ppbv	EPA TO-15L
Bromodichloromethane	0.110		0.100	ppbv	EPA TO-15L
Chloroform	0.990		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.970		0.100	ppbv	EPA TO-15L
Ethanol	2.26		0.500	ppbv	EPA TO-15L
Isopropyl alcohol	0.850		0.500	ppbv	EPA TO-15L
Methylene chloride	0.140		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	0.400		0.100	ppbv	EPA TO-15L

Lab ID: SC19464-06 **Client ID:** 3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.0900		0.0400	ppbv	EPA TO-15 SIM
2-Butanone (MEK)	1.68		0.100	ppbv	EPA TO-15L
4-Methyl-2-pentanone (MIBK)	4.80		0.100	ppbv	EPA TO-15L
Benzene	1.55		0.100	ppbv	EPA TO-15L
Cyclohexane	0.190		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.890		0.100	ppbv	EPA TO-15L
Ethanol	18.2	E	0.500	ppbv	EPA TO-15L
Ethylbenzene	0.130		0.100	ppbv	EPA TO-15L
Isopropyl alcohol	4.23		0.500	ppbv	EPA TO-15L
m,p-Xylene	0.510		0.200	ppbv	EPA TO-15L
Methylene chloride	0.360		0.100	ppbv	EPA TO-15L
n-Heptane	0.220		0.100	ppbv	EPA TO-15L
o-Xylene	0.110		0.100	ppbv	EPA TO-15L
Toluene	2.55		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	5.72		0.100	ppbv	EPA TO-15L

Lab ID: SC19464-06RE1 **Client ID:** 3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Acetone	56.6	D	10.0	ppbv	EPA TO-15L
Ethanol	17.0	D	10.0	ppbv	EPA TO-15L

Lab ID: SC19464-07 **Client ID:** 7

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Carbon tetrachloride	0.0800		0.0400	ppbv	EPA TO-15 SIM
2-Butanone (MEK)	0.400		0.100	ppbv	EPA TO-15L
Acetone	5.08		0.500	ppbv	EPA TO-15L
Benzene	0.130		0.100	ppbv	EPA TO-15L
Dichlorodifluoromethane (Freon12)	0.930		0.100	ppbv	EPA TO-15L
Ethanol	2.12		0.500	ppbv	EPA TO-15L
Ethyl acetate	0.650		0.100	ppbv	EPA TO-15L
Isopropyl alcohol	0.540		0.500	ppbv	EPA TO-15L
Methylene chloride	0.250		0.100	ppbv	EPA TO-15L
Trichlorofluoromethane (Freon 11)	0.350		0.100	ppbv	EPA TO-15L

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4 SC19464-01	4884S-13	Air	22-Mar-16 20:35	24-Mar-16

CAS No.	*Analyte(s)*	*Result/Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -2 Can ID: 0661				
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	07-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.780**	0.100	**3.86**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	< 0.500	0.500	< 1.19	1.19	E	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**10.6**	0.100	**59.57**	0.56	E	"	"	"	"	X
64-17-5	Ethanol	**64.8**	0.500	**122.18**	0.94	E	"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**0.380**	0.100	**1.32**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.500	0.500	< 3.83	3.83		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**13.0**	0.500	**31.90**	1.23	E	"	"	"	"	X
78-93-3	2-Butanone (MEK)	**3.44**	0.100	**10.14**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	**1.35**	0.500	**4.76**	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	< 0.100	0.100	< 0.36	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**1.57**	0.100	**5.01**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	**0.230**	0.100	**0.79**	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.100	0.100	< 0.67	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.500	0.500	< 1.80	1.80		"	"	"	"	X
142-82-5	n-Heptane	**0.520**	0.100	**2.13**	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**6.02**	0.100	**24.67**	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	**4.23**	0.100	**15.92**	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.100	0.100	< 0.41	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	**0.290**	0.100	**1.26**	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	**1.16**	0.200	**5.03**	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4 SC19464-01	4884S-13	Air	22-Mar-16 20:35	24-Mar-16

CAS No.	*Analyte(s)*	*Result/Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -2 Can ID: 0661				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	07-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	**0.240**	0.100	**1.04**	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**0.100**	0.100	**0.49**	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	**0.190**	0.100	**0.93**	0.49		"	"	"	"	X
91-20-3	Naphthalene	**0.710**	0.500	**3.72**	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*80-120 %*			"	"	"	"	
Re-analysis of Volatile Organics in Air Low Level			Dilution: 20			GS1					
67-64-1	Acetone	**118**	10.0	**280.40**	23.76	D	EPA TO-15L	08-Apr-16	BRF	1605866	X
75-69-4	Trichlorofluoromethane (Freon 11)	**8.20**	2.00	**46.08**	11.24	D	"	"	"	"	X
64-17-5	Ethanol	**93.6**	10.0	**176.48**	18.85	D	"	"	"	"	
67-63-0	Isopropyl alcohol	**10.6**	10.0	**26.01**	24.54	D	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -2 Can ID: 0661				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	07-Apr-16	BRF	1605766	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.110**	0.0400	**0.69**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	< 0.0400	0.0400	< 0.21	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*103*		*80-120 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5 SC19464-02	4884S-13	Air	22-Mar-16 21:11	24-Mar-16

Air Quality Analyses

Volatile Organics in Air Low Level — ppbv — Prepared 07-Apr-16 — Dilution: 1 — Can pressure: -9 — Can ID: 0257

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	07-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.790**	0.100	**3.91**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	< 0.500	0.500	< 1.19	1.19	E	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**2.15**	0.100	**12.08**	0.56		"	"	"	"	X
64-17-5	Ethanol	**8.91**	0.500	**16.80**	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**0.340**	0.100	**1.18**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.500	0.500	< 3.83	3.83		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**5.03**	0.500	**12.34**	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	**1.36**	0.100	**4.01**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	< 0.500	0.500	< 1.76	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	**1.54**	0.100	**5.55**	0.36		"	"	"	"	
67-66-3	Chloroform	**0.220**	0.100	**1.07**	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**0.360**	0.100	**1.15**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	< 0.100	0.100	< 0.34	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.100	0.100	< 0.67	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	**3.48**	0.500	**12.53**	1.80		"	"	"	"	X
142-82-5	n-Heptane	< 0.100	0.100	< 0.41	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**4.75**	0.100	**19.47**	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	**0.800**	0.100	**3.01**	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	**3.16**	0.100	**12.95**	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	**0.500**	0.100	**2.17**	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	**1.62**	0.200	**7.02**	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5 SC19464-02	4884S-13	Air	22-Mar-16 21:11	24-Mar-16

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -9 Can ID: 0257				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	07-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	**0.270**	0.100	**1.17**	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
91-20-3	Naphthalene	**1.32**	0.500	**6.91**	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*80-120 %*			"	"	"	"	
Re-analysis of Volatile Organics in Air Low Level			Dilution: 20			GS1					
67-64-1	Acetone	**59.0**	10.0	**140.20**	23.76	D	EPA TO-15L	08-Apr-16	BRF	1605866	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -9 Can ID: 0257				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	07-Apr-16	BRF	1605766	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.120**	0.0400	**0.75**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	**0.0500**	0.0400	**0.27**	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*101*		*80-120 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1 SC19464-03	4884S-13	Air	22-Mar-16 21:05	24-Mar-16

Air Quality Analyses

Volatile Organics in Air Low Level — ppbv — Prepared 07-Apr-16 — Dilution: 1 — Can pressure: -9 — Can ID: 0658

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	07-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.840**	0.100	**4.15**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	< 0.500	0.500	< 1.19	1.19	E	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**7.97**	0.100	**44.79**	0.56		"	"	"	"	X
64-17-5	Ethanol	**46.6**	0.500	**87.86**	0.94	E	"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**0.340**	0.100	**1.18**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.500	0.500	< 3.83	3.83		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**6.16**	0.500	**15.12**	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	**1.32**	0.100	**3.89**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	< 0.500	0.500	< 1.76	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	< 0.100	0.100	< 0.36	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**1.14**	0.100	**3.64**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	< 0.100	0.100	< 0.34	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.100	0.100	< 0.67	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.500	0.500	< 1.80	1.80		"	"	"	"	X
142-82-5	n-Heptane	**0.190**	0.100	**0.78**	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**1.61**	0.100	**6.60**	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	**1.39**	0.100	**5.23**	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.100	0.100	< 0.41	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	< 0.100	0.100	< 0.43	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	**0.200**	0.200	**0.87**	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1 SC19464-03	4884S-13	Air	22-Mar-16 21:05	24-Mar-16

CAS No.	*Analyte(s)*	*Result/Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -9 Can ID: 0658				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	07-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	< 0.100	0.100	< 0.43	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
91-20-3	Naphthalene	< 0.500	0.500	< 2.62	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*80-120 %*			"	"	"	"	
Re-analysis of Volatile Organics in Air Low Level			Dilution: 20			GS1					
67-64-1	Acetone	**48.2**	10.0	**114.54**	23.76	D	EPA TO-15L	08-Apr-16	BRF	1605866	X
64-17-5	Ethanol	**60.2**	10.0	**113.51**	18.85	D	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -9 Can ID: 0658				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	07-Apr-16	BRF	1605766	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.0800**	0.0400	**0.50**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	< 0.0400	0.0400	< 0.21	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*80-120 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-3 SC19464-04	4884S-13	Air	23-Mar-16 17:30	24-Mar-16

Air Quality Analyses

Volatile Organics in Air Low Level — ppbv — Prepared 07-Apr-16, Dilution: 1 — Can pressure: -9, Can ID: 0259

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	08-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.830**	0.100	**4.10**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	< 0.500	0.500	< 1.19	1.19	E	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**5.09**	0.100	**28.60**	0.56		"	"	"	"	X
64-17-5	Ethanol	**35.5**	0.500	**66.93**	0.94	E	"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**1.03**	0.100	**3.58**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**30.0**	0.500	**73.62**	1.23	E	"	"	"	"	X
78-93-3	2-Butanone (MEK)	**0.930**	0.100	**2.74**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	**1.74**	0.500	**6.13**	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	< 0.100	0.100	< 0.36	0.36		"	"	"	"	
67-66-3	Chloroform	**0.160**	0.100	**0.78**	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**0.670**	0.100	**2.14**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	**0.250**	0.100	**0.86**	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.100	0.100	< 0.67	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.500	0.500	< 1.80	1.80		"	"	"	"	X
142-82-5	n-Heptane	**0.240**	0.100	**0.98**	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**0.970**	0.100	**3.98**	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	**0.780**	0.100	**2.93**	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.100	0.100	< 0.41	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	**0.120**	0.100	**0.52**	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	**0.530**	0.200	**2.30**	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-3 SC19464-04	4884S-13	Air	23-Mar-16 17:30	24-Mar-16

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -9 Can ID: 0259				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	08-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	**0.140**	0.100	**0.61**	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	**0.150**	0.100	**0.74**	0.49		"	"	"	"	X
91-20-3	Naphthalene	< 0.500	0.500	< 2.62	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*80-120 %*			"	"	"	"	
Re-analysis of Volatile Organics in Air Low Level			Dilution: 20			GS1					
64-17-5	Ethanol	**36.6**	10.0	**69.01**	18.85	D	EPA TO-15L	08-Apr-16	BRF	1605866	
67-63-0	Isopropyl alcohol	**26.0**	10.0	**63.80**	24.54	D	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*80-120 %*			"	"	"	"	
Re-analysis of Volatile Organics in Air Low Level			Dilution: 50			GS1					
67-64-1	Acetone	**388**	25.0	**922.00**	59.41	D	EPA TO-15L	11-Apr-16	BRF	1605968	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*90*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -9 Can ID: 0259				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	08-Apr-16	BRF	1605766	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.160**	0.0400	**1.01**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	< 0.0400	0.0400	< 0.21	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*102*		*80-120 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6 SC19464-05	4884S-13	Air	22-Mar-16 20:18	24-Mar-16

Air Quality Analyses

Volatile Organics in Air Low Level — ppbv — Prepared 07-Apr-16 — Dilution: 1 — Can pressure: -1 — Can ID: 0499

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	08-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.970**	0.100	**4.80**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	**5.66**	0.500	**13.45**	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**0.400**	0.100	**2.25**	0.56		"	"	"	"	X
64-17-5	Ethanol	**2.26**	0.500	**4.26**	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**0.140**	0.100	**0.49**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	**0.120**	0.100	**0.92**	0.77		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**0.850**	0.500	**2.09**	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	**0.470**	0.100	**1.39**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	< 0.500	0.500	< 1.76	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	< 0.100	0.100	< 0.36	0.36		"	"	"	"	
67-66-3	Chloroform	**0.990**	0.100	**4.82**	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**0.130**	0.100	**0.41**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	< 0.100	0.100	< 0.34	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	**0.110**	0.100	**0.74**	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.500	0.500	< 1.80	1.80		"	"	"	"	X
142-82-5	n-Heptane	< 0.100	0.100	< 0.41	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**0.170**	0.100	**0.70**	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	< 0.100	0.100	< 0.38	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	**0.260**	0.100	**1.07**	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	< 0.100	0.100	< 0.43	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.200	0.200	< 0.87	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6 SC19464-05	4884S-13	Air	22-Mar-16 20:18	24-Mar-16

CAS No.	*Analyte(s)*	*Result/Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -1 Can ID: 0499				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	08-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	< 0.100	0.100	< 0.43	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
91-20-3	Naphthalene	< 0.500	0.500	< 2.62	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -1 Can ID: 0499				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	"	BRF	"	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.110**	0.0400	**0.69**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	< 0.0400	0.0400	< 0.21	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*96*		*80-120 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3 SC19464-06	4884S-13	Air	22-Mar-16 20:07	24-Mar-16

Air Quality Analyses

Volatile Organics in Air Low Level — ppbv — Prepared 07-Apr-16 — Dilution: 1 — Can pressure: -1 — Can ID: 0278

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	08-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.890**	0.100	**4.40**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	< 0.500	0.500	< 1.19	1.19	E	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**5.72**	0.100	**32.14**	0.56		"	"	"	"	X
64-17-5	Ethanol	**18.2**	0.500	**34.32**	0.94	E	"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**0.360**	0.100	**1.25**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**4.23**	0.500	**10.38**	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	**1.68**	0.100	**4.95**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	< 0.500	0.500	< 1.76	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	< 0.100	0.100	< 0.36	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**1.55**	0.100	**4.94**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	**0.190**	0.100	**0.65**	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.100	0.100	< 0.67	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.500	0.500	< 1.80	1.80		"	"	"	"	X
142-82-5	n-Heptane	**0.220**	0.100	**0.90**	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	**4.80**	0.100	**19.67**	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	**2.55**	0.100	**9.60**	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.100	0.100	< 0.41	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	**0.130**	0.100	**0.56**	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	**0.510**	0.200	**2.21**	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3 SC19464-06	4884S-13	Air	22-Mar-16 20:07	24-Mar-16

CAS No.	*Analyte(s)*	*Result/Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -1 Can ID: 0278				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	08-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	**0.110**	0.100	**0.48**	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
91-20-3	Naphthalene	< 0.500	0.500	< 2.62	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*104*		*80-120 %*			"	"	"	"	
Re-analysis of Volatile Organics in Air Low Level			Dilution: 20			GS1					
67-64-1	Acetone	**56.6**	10.0	**134.50**	23.76	D	EPA TO-15L	08-Apr-16	BRF	1605866	X
64-17-5	Ethanol	**17.0**	10.0	**32.05**	18.85	D	"	"	"	"	
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*97*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -1 Can ID: 0278				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	08-Apr-16	BRF	1605766	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.0900**	0.0400	**0.57**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	< 0.0400	0.0400	< 0.21	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*104*		*80-120 %*			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
7 SC19464-07	4884S-13	Air	22-Mar-16 20:15	24-Mar-16

Air Quality Analyses

Volatile Organics in Air Low Level — ppbv — Prepared 07-Apr-16 — Dilution: 1 — Can pressure: -1 — Can ID: 7632

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.100	0.100	< 0.17	0.17		EPA TO-15L	08-Apr-16	BRF	1605766	
75-71-8	Dichlorodifluoromethane (Freon12)	**0.930**	0.100	**4.60**	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.100	0.100	< 0.21	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.100	0.100	< 0.70	0.70		"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.100	0.100	< 0.39	0.39		"	"	"	"	X
75-00-3	Chloroethane	< 0.100	0.100	< 0.26	0.26		"	"	"	"	X
67-64-1	Acetone	**5.08**	0.500	**12.07**	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	**0.350**	0.100	**1.97**	0.56		"	"	"	"	X
64-17-5	Ethanol	**2.12**	0.500	**4.00**	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.100	0.100	< 0.22	0.22		"	"	"	"	X
75-09-2	Methylene chloride	**0.250**	0.100	**0.87**	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.500	0.500	< 1.56	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.100	0.100	< 0.36	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	**0.540**	0.500	**1.33**	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	**0.400**	0.100	**1.18**	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
110-54-3	Hexane	< 0.500	0.500	< 1.76	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	**0.650**	0.100	**2.34**	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.100	0.100	< 0.29	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.100	0.100	< 0.40	0.40		"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
71-43-2	Benzene	**0.130**	0.100	**0.41**	0.32		"	"	"	"	X
110-82-7	Cyclohexane	< 0.100	0.100	< 0.34	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.100	0.100	< 0.67	0.67		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.500	0.500	< 1.80	1.80		"	"	"	"	X
142-82-5	n-Heptane	< 0.100	0.100	< 0.41	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.100	0.100	< 0.41	0.41		"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.100	0.100	< 0.45	0.45		"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.100	0.100	< 0.55	0.55		"	"	"	"	X
108-88-3	Toluene	< 0.100	0.100	< 0.38	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.100	0.100	< 0.41	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.100	0.100	< 0.85	0.85		"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.100	0.100	< 0.77	0.77		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.100	0.100	< 0.46	0.46		"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	
100-41-4	Ethylbenzene	< 0.100	0.100	< 0.43	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.200	0.200	< 0.87	0.87		"	"	"	"	X
75-25-2	Bromoform	< 0.100	0.100	< 1.03	1.03		"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
7 SC19464-07	4884S-13	Air	22-Mar-16 20:15	24-Mar-16

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
Volatile Organics in Air Low Level		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -1 Can ID: 7632				
100-42-5	Styrene	< 0.100	0.100	< 0.43	0.43		EPA TO-15L	08-Apr-16	BRF	1605766	X
95-47-6	o-Xylene	< 0.100	0.100	< 0.43	0.43		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.100	0.100	< 0.69	0.69		"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.100	0.100	< 0.49	0.49		"	"	"	"	X
91-20-3	Naphthalene	< 0.500	0.500	< 2.62	2.62		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.100	0.100	< 0.52	0.52		"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.100	0.100	< 0.54	0.54		"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.100	0.100	< 0.60	0.60		"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.100	0.100	< 0.55	0.55		"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.100	0.100	< 0.74	0.74		"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.100	0.100	< 1.07	1.07		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*80-120 %*			"	"	"	"	
Chlorinated SIM		ppbv	Prepared 07-Apr-16 Dilution: 1				Can pressure: -1 Can ID: 7632				
75-01-4	Vinyl chloride	< 0.0400	0.0400	< 0.10	0.10		EPA TO-15 SIM	"	BRF	"	X
75-35-4	1,1-Dichloroethene	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0400	0.0400	< 0.16	0.16		"	"	"	"	X
56-23-5	Carbon tetrachloride	**0.0800**	0.0400	**0.50**	0.25		"	"	"	"	X
79-01-6	Trichloroethene	< 0.0400	0.0400	< 0.21	0.21		"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.0400	0.0400	< 0.27	0.27		"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*80-120 %*			"	"	"	"	

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/15/2016

Canister ID: 0257 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

0257

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/15/2016

Canister ID: 0259 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

0259

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/16/2016

Canister ID: 0278 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

0278

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/16/2016

Canister ID: 0499 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

0499

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/16/2016

Canister ID: 0658 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

0658

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/14/2016

Canister ID: 0661 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

0661

Certificate of Analysis

Container Type: Summa canister 6 liter **Date of Analysis:** 3/16/2016

Canister ID: 7632 **Analyst's Initials:** BRF

The sampling device detailed above has been tested and is certified to the limits for the target compounds as listed below.

Analyte	*Quantitation Limit (ppbv)*	*Analyte*	*Quantitation Limit (ppbv)*
Acetone	<0.5	Ethanol	<0.5
Acrylonitrile	<0.1	4-Isopropyl Toluene	<0.5
Benzene	<0.1	Ethyl acetate	<0.1
Benzyl chloride	<0.1	Ethylbenzene	<0.1
Bromodichloromethane	<0.1	4-Ethyltoluene	<0.1
Bromoform	<0.1	n-Heptane	<0.1
Bromomethane	<0.1	Hexachlorobutadiene	<0.1
1,3-Butadiene	<0.1	Hexane	<0.1
2-Butanone (MEK)	<0.1	2-Hexanone (MBK)	<0.1
Carbon disulfide	<0.5	Isopropyl alcohol	<0.5
Carbon tetrachloride	<0.1	4-Methyl-2-pentanone (MIBK)	<0.1
Chlorobenzene	<0.1	Methyl tert-butyl ether	<0.1
Chloroethane	<0.1	Methylene chloride	<0.1
1,4-Dioxane	<0.1	Naphthalene	<0.5
n-Butylbenzene	<0.1	1,1,1,2-Tetrachlorethane	<0.1
Chloroform	<0.1	Propene	<0.1
Chloromethane	<0.1	Styrene	<0.1
Cyclohexane	<0.1	1,1,2,2-Tetrachloroethane	<0.1
Dibromochloromethane	<0.1	Tetrachloroethene	<0.1
1,2-Dibromoethane (EDB)	<0.1	Tetrahydrofuran	<0.1
1,2-Dichlorobenzene	<0.1	Toluene	<0.1
1,3-Dichlorobenzene	<0.1	1,2,4-Trichlorobenzene	<0.1
1,4-Dichlorobenzene	<0.1	1,1,1-Trichloroethane	<0.1
Dichlorodifluoromethane (Freon12)	<0.1	1,1,2-Trichloroethane	<0.1
1,1-Dichloroethane	<0.1	Trichloroethene	<0.1
1,2-Dichloroethane	<0.1	1,1,2-Trichlorotrifluoroethane (Freon 113)	<0.1
1,1-Dichloroethene	<0.1	Trichlorofluoromethane (Freon 11)	<0.1
cis-1,2-Dichloroethene	<0.1	1,2,4-Trimethylbenzene	<0.1
trans-1,2-Dichloroethene	<0.1	1,3,5-Trimethylbenzene	<0.1
1,2-Dichloropropane	<0.1	Vinyl chloride	<0.1
cis-1,3-Dichloropropene	<0.1	m,p-Xylene	<0.1
trans-1,3-Dichloropropene	<0.1	o-Xylene	<0.1
1,2-Dichlorotetrafluoroethane (Freon 114)	<0.1	sec-Butylbenzene	<0.1
Isopropylbenzene	<0.1		

This certification applies to the following sampling devices:

7632

Notes and Definitions

CRL1	Low level calibration check failed, data was accepted due to sample concentrations < MDL.
CRL2	Low level calibration check failed, data was accepted due to sample concentrations > 3X MRL.
CRL3	Low level calibration check failed, reporting limit has been elevated.
CRL4	Low level calibration check failed, data was accepted due to sample concentrations being < RDL and estimated.
D	Data reported from a dilution
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Emily Kinney

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SC 194641 e

Chain of Custody Record/Field Test Data Sheets for Air Analyses

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Special Handling:
☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.

Report To: DAY ENVIRONMENTAL	Invoice To: ~~SAME~~ SolEpoxy, Inc.		
1563 LYELL AVE	211 Franklin Street	Project No.: 48845-13	
ROCHESTER NY 14606	Olean, New York 14760	Site Name: SOLEPOXY	
		Location: OLEAN State: NY	
Tel #: 585 454 0210	Attn: Jeffery Belt	Sampler(s): T. ROSZAK / D. SKINNER	
Project Manager: RAY KAMPFF	P.O. No.: RQN:		

Can ID	Can Size (L)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Flow Controller Readout (ml/min)	Lab Id:	Sample Id:	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Analysis: TO-15 STM @ 3/25	Matrix: Indoor/Ambient Air	Matrix: Soil Gas	Check box if canister is returned unused
			LABORATORY USE ONLY															
LL 0661	6	-30		2930	9.2	19464-01	4	3/22/16	1309	2035	29	2			✓	✓		
LL 0257	6	-30		78	9.2	-02	5	3/22/16	1311	2111	30	10½			✓	✓		
LL 0658	6	-30		2883	9.3	-03	1	3/22/16	1305	2105	30	10½			✓	✓		
LL 0647	6	-30		33	9.3		~~2-1~~	~~3/22-23/16~~	~~1302~~	~~1730~~	~~30+~~	~~9~~			FAILED			
LL 0259	6	-30		2848	9.6	-04	OK ~~2-3~~	3/23/16	0930	1730	26½	7			✓	✓		
LL 0499	6	-30		1550	9.5	-05	6	3/22/16	1312	2018	30	4			✓	✓		
LL 4630	6	-30		7	9.3		~~2-2~~	~~3/22/16~~	~~1412~~	~~1826~~	~~21~~	~~1~~			FAILED			
LL 0278	6	-30		2971	9.5	-06	3	3/22/16	1307	2007	30	2½			✓	✓		
LL 7637	6	-30		2983	9.2	-07	7	3/22/16	1315	2015	29	2½			✓	✓		

Date of Request: 03/15/16	Total # Canisters: 9	Special Instructions/QC Requirements & Comments:	Client Use
Requested by: Raymond Kampff	# LL Canisters: 9	analysis at matrix per client req	Ambient Temperature (Fahrenheit)
Company: Day Environmental	# Flow Controllers: 9	3/25/16 e	Ambient Pressure (inches of Hg)
Location: Rochester, NY	Flow Rate/Setting: 8 hrs		Start
Date Needed: 03/21/16	# Filters 0		Stop
Order #: 38128	Gauge # 9		
Prepared by: AO Eul			

I attest that all media has been received in good working condition, based on visual observation, and agree to the terms and conditions as listed on the back of this document.

Signed: Date:

Printed:

QA/QC Reporting Level:

☐ Standard ☐ NY ASP A* ☐ TIER II* ☐ MA CAM
☐ DQA* ☐ NY ASP B* ☐ TIER IV* ☐ CT RCP

* additional charge may apply contact ESAI's Client Service Dept for further info.

Please contact ESAI's Air Department immediately at (800) 789-9115 if you experience any technical difficulties or suspect any QC issue(s) with air media.

Relinquished by:	Received by:	Date:	Time:	
	T Roszak	3/18/16		☐ EDD Format 15.3 LO 15.3 IR 3 CAS 3/24/16
T Roszak	Cynthia	3/24/16	1223	☐ E-mail Results to
Cynthia Stull		3/25/16	12:00	amb 17.2 / 0 / 17.2 IR02

A 5052

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum

On 3/25

Revised Jan 2016

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Chain of Custody Record/Field Test Data Sheets for Air Analyses

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Special Handling:
☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: ________

All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.

Report To:	DAY ENVIRONMENTAL, 1563 LYELL AVE, ROCHESTER NY 14606
Tel #:	585 454 0210
Project Manager:	RAY KAMPFF
Invoice To:	SAME Sol/Epoxy, Inc. 211 Franklin Street, Olean, New York 14760
Attn:	Jeffrey Belt
P.O. No.:	
RQN:	
Project No.:	4884 S-13
Site Name:	SOLEPOXY
Location:	OLEAN
State:	NY
Sampler(s):	T. ROSZAK / D. SKINNER

Can ID	Can Size (L)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg ID	Flow Controller Readout (ml/min)	Lab ID	Sample ID	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp (F) (Start)	Interior Temp (F) (Stop)	Analysis: TO-15 SIM 3/25/16	Matrix: Indoor/Ambient Air	Matrix: Soil Gas	Check box if canister is returned unused
LL0661	6	-30	-2	2930	9.2	19464-01	4	3/22/16	1309	2035	29	2			✓	✓		
LL0257	6	-30	-9	78	9.2	-02	5	3/22/16	1311	2111	30	10½			✓	✓		
LL0658	6	-30	-9	2883	9.3	-03	1	3/22/16	1305	2105	30	10½			✓	✓		
LL0647	6	-30	-1	33	9.3		~~2-1~~	~~3/22-23/16~~	~~1302~~	~~1730~~	~~30+~~	~~9~~	FAILED					
LL0259	6	30	-9	2848	9.6	-04	~~2-3~~	3/23/16	0930	1730	26½	7			✓	✓		
LL0499	6	30	-1	1550	9.5	-05	6	3/22/16	1312	2018	30	4			✓	✓		
LL4630	6	-30	-9	7	9.3		~~2-2~~	~~3/22/16~~	~~1412~~	~~1826~~	~~21~~	~~1~~	FAILED					
LL0278	6	30	-1	2971	9.5	-06	3	3/22/16	1307	2007	30	2½			✓	✓		
LL7632	6	-30	-1	2983	9.2	-07	7	3/22/16	1315	2015	29	2½			✓	✓		

Date of Request:	03/15/16
Requested by:	Raymond Kampft
Company:	Day Environmental
Location:	Rochester, NY
Date Needed:	03/21/16
Order #:	38128
Prepared by:	AC Eal
Total # Canisters:	9
# LL Canisters:	9
# Flow Controllers:	9
Flow Rate/Setting:	8 hrs
# Filters:	0
Gauge:	9

Special Instructions/QC Requirements & Comments:
Analysis + matrix per client req. 3/25/16

	Chart Use	Ambient Temperature (Fahrenheit)	Ambient Pressure (inches of Hg)
Start			
Stop			

I, as the client, attest that media has been received in good condition and I agree to the terms and conditions of this document.

Signed: ________ Date: ________

Printed: ________

QA/QC Reporting Level:
☐ Standard ☐ NY ASP A* ☐ TIER II* ☐ MA CAM
☐ DQA* ☐ NY ASP B* ☐ TIER IV* ☐ CT RCP

* additional charge may apply; contact ESAI's Client Service Dept for further info.

Please contact ESAI's Air Department immediately at (800) 789-9115 if you experience any technical difficulties or suspect any QC issue(s) with air media.

Relinquished by:	Received by:	Date:	Time:
	T. Roszak	3/18/16	
T Roszak	[signature]	3/24/16	1223
[signature]	[signature]	3/25/16	12:00

EDD Format: 15.3 / 0.5 IR 3 TAS 3/24/16

E-mail to: ________

amb 17.2 / 0 / 17.2 IR 02

5052

Gn 3/25

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SC 19464 e

Chain of Custody Record/Field Test Data Sheets for Air Analyses

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Special Handling:
☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.

Report To: DAY ENVIRONMENTAL	**Invoice To:** ~~SAME~~ SolEpoxy, Inc.		
1563 LYELL AVE	211 Franklin Street	**Project No.:** 48845-13	
ROCHESTER NY 14606	Olean, New York 14760	**Site Name:** SOLEPOXY	
		Location: OLEAN **State:** NY	
Tel #: 585 454 0210	**Attn:** Jeffrey Bolt	**Sampler(s):** T. ROSZAK / D. SKINNER	
Project Manager: RAY KAMPFF	**P.O. No.:** **RQN:**		

Can ID	Can Size (L)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Flow Controller Readout (ml/min)	Lab Id:	Sample Id:	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Analysis: TO-15 SIM @ 3/25/16	Matrix: Indoor /Ambient Air	Matrix: Soil Gas	Check box if canister is returned unused
LABORATORY USE ONLY																		
LL 0661	6	-30		2930	9.2	19464-01	4	3/22/16	1309	2035	29	2			✓			
LL 0257	6	-30		78	9.2	-02	5	3/22/16	1311	2111	30	10 1/2			✓	✓		
LL 0658	6	-30		2883	9.3	-03	1	3/22/16	1305	2105	30	10 1/2			✓	✓		
LL 0647	6	-30		33	9.3		~~2-1~~	~~3/22-23/16~~	~~1302~~	~~1730~~	~~30+~~	~~9~~		FAILED				
LL 0259	6	-30		2848	9.6	-04	OK ~~2-3~~	3/23/16	0930	1730	26 1/2	7			✓	✓		
LL 0499	6	-30		1550	9.5	-05	6	3/22/16	1312	2018	30	4			✓	✓		
LL 4630	6	-30		7	9.3		~~2-2~~	~~3/22/16~~	~~1412~~	~~1826~~	~~21~~	~~1~~		FAILED				
LL 0278	6	-30		2971	9.5	-06	3	3/22/16	1307	2007	30	2 1/2			✓	✓		
LL 7632	6	-30		2983	9.2	-07	7	3/22/16	1315	2015	29	2 1/2			✓	✓		

Date of Request: 03/15/16	Total # Canisters: 9	**Special Instructions/QC Requirements & Comments:**	
Requested by: Raymond Kampff	# LL Canisters: 9	analysis & matrix per client req 3/25/16 e	
Company: Day Environmental	# Flow Controllers: 9		
Location: Rochester, NY	Flow Rate/Setting: 8 hrs	ASP B checked off per client request.	
Date Needed: 03/21/16	# Filters 0		
Order #: 38128	Gauge # 9		
Prepared by: AO Eal			

Client Use	Ambient Temperature (Fahrenheit)	Ambient Pressure (inches of Hg)
Start		
Stop		

I attest that all media has been received in good working condition, based on visual observation, and agree to the terms and conditions as listed on the back of this document.

Signed: Date:

Printed:

Bn 3/28

QA/QC Reporting Level:

☐ Standard ☐ NY ASP A* ☐ TIER II* ☐ MA CAM
☐ DQA* ☒ NY ASP B* ☐ TIER IV* ☐ CT RCP

* additional charge may apply contact ESAI's Client Service Dept for further info.

Please contact ESAI's Air Department immediately at (800) 789-9115 if you experience any technical difficulties or suspect any QC issue(s) with air media.

Relinquished by:	Received by:	Date:	Time:
	T ROSZAK	3/18/16	
T ROSZAK		3/24/16	1223
Custody Seal		3/25/16	12:00

☐ EDD Format 15.3/0/15.3IR3 CAS 3/24/16

☐ E-mail Results to amb 17.2/0/17.2 IR02

Bn 3/25

A 5052