LABELLA Associates, D.P.C.
Engineering
Architecture
Environmental
Planning

2017 Periodic Review Report
Reporting Period: 03/31/2017 to 03/31/2018
NYSDEC BCP Site No. C828189

Location:

Former Michelsen Furniture Co. Site
182 Avenue D and 374 Conkey Avenue
City of Rochester, New York

Prepared for:

M+M Housing Development Fund Corp. as Nominee for
Mills and Michelsen LLC
312 State Street
Rochester, New York 14614

LaBella Project No. 2161282

April 30, 2018

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Table of Contents

1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) is pleased to submit this Periodic Review Report (PRR) for the Former Michelsen Furniture Co. Site located at 182 Avenue D and 374 Conkey Avenue in the City of Rochester under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC). This PRR covers the Reporting Period from March 31, 2017 to March 31, 2018.

The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index C828189-09-14, Site # C828189. A Site Location Map is included as Figure 1. The Site is located in the City of Rochester, County of Monroe, New York and is comprised of two parcels totaling +/- 0.62-acre (Section 091.770 Block 0002 and Lot 031 on the City of Rochester Tax Map).

The properties adjoining the Site and in the neighborhood surrounding the Site primarily include residential properties. The properties immediately south of the Site include residential properties and a mini-mart; the properties immediately north and west of the Site include residential properties; the properties immediately east of the Site include residential properties and a recreation center.

A Site Plan (included as Figure 2), illustrates the Site boundaries and the adjacent properties.

1.1 Environmental History

A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the Site. The results of the RI are described in detail in the *Remedial Investigation Report, NYSDEC BCP Site #C828189*, prepared by LaBella and dated September 2015.

Additional detail regarding the history of the Site can be found in the *Site Management Plan, Former Michelsen Furniture Co. Site, NYSDEC Site Number: C828189*, prepared by LaBella and dated November 2015 (hereinafter referred to as the "SMP").

Generally, the RI determined that solvent related volatile organic compounds (VOCs) (specifically Trichloroethene (TCE) and its breakdown compounds) existed in soil, with limited quantities of SVOCs being present in subsurface soil. Based on these findings, it appeared the source of the VOC plume was in the area of the former loading dock. The limits of the VOC impacts in soil were defined by the RI. The extent of off-site groundwater impacts have not been defined.

The following is a summary of site conditions when the RI was performed in 2014.

Soil

- Subsurface soil sampling at the Site only identified one area of soil that contains SVOCs above the SCGs. This area is located beneath the parking lot at the Site.

- Subsurface VOC impacts in soil were not identified at concentrations above the NYSDEC Part 375-6.8(b) Restricted Residential SCOs. However, low concentrations of VOCs above the NYSDEC Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs) and Part 375-6.8(b) Protection of Groundwater SCOs in soil were detected beneath the Site building.

Areas of subsurface soil impacts detected during the RI are summarized in Tables 2 through 4 of the SMP and are detailed on Figure 5 of the SMP.

Site-Related Groundwater

Groundwater at the Site is impacted by CVOCs at concentrations above Part 703 groundwater standards. The groundwater flow at the Site is to the north, towards adjacent residential properties. The potential exists that CVOCs are migrating off-Site. While the results of on-Site sampling indicate groundwater contamination may be moving off-Site, off-Site sampling is necessary to confirm the nature and extent. Groundwater impacts detected during the RI are summarized in Table 4 of the SMP and are detailed on Figure 6 of the SMP.

Site-Related Soil Vapor Intrusion

Based on the concentrations of VOCs in soil and groundwater beneath the Site building a completed exposure pathway does appear to exist for VOCs. However, while, data is not available documenting current concentrations of VOCs in sub slab vapor or indoor air, the installation of the sub slab depressurization system and ventilation of the underground parking garage addresses any potential vapor intrusion concerns.

In addition, the following Interim Remedial Measures were implemented at the Site:

1. UST Removal – Two (2) 3,000 gallon heating oil USTs were removed, decommissioned and disposed as scrap steel. Approximately 550 gallons of residual heating oil was removed and disposed at Industrial Oil Tank Services in Oriskany, New York.
2. Soil Removal – A total of 1,917.06 tons of soil was characterized, removed from the Site and transported to Mill Seat Landfill in Riga, New York for disposal as non-hazardous waste.
3. Sub Slab Depressurization System (SSDS) – An SSDS was installed in the Site building during redevelopment.

The locations of IRMs implemented at the Site are detailed on Figure 7 of the SMP.

The Site was remediated in accordance with the NYSDEC-approved Remedial Action Work Plan dated September 2015. The following is a summary of the Remedial Actions performed at the Site:

1. Construction and maintenance of a soil cover system to prevent human exposure to remaining contaminated soil. This cover system includes a minimum of 24 inches of clean material or impervious surfaces (e.g., pavement, concrete) applied as part of the remedy. Geotextile fabric was placed as a demarcation layer between the cover material and underlying soil;
2. Injection of 13,200 pounds of sodium permanganate ("RemOx® L") was pumped at an approximately 10% concentration into six injection wells and monitoring wells BW-02, BW-03, BW-04, GPMW-34, and GPMW-26. A total of 6,000 gallons of 10% solution was injected.
3. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site; and
4. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for Institutional Controls. Remedial activities were completed at the site in May 2014.

A groundwater treatment system consisting of a network of six injection wells was installed in the area between the building and the concrete ramp to the basement to facilitate introduction of in-situ chemical oxidation (ISCO) compounds to the subsurface (see Figure 9 of the SMP). Each injection well was constructed of two inch Sch 40 PVC with 0.020 inch machine slotted screens. Each well was installed to a total of five (5) feet into bedrock to straddle the bedrock/overburden contact. A quartz sand pack was placed around the screen section of each well followed by a two foot bentonite seal. The remainder of the annulus was grouted to the surface. Each injection well was completed at the surface with a flush-mount protective casing. In addition to the six dedicated injection wells, ISCO injections can be performed in bedrock monitoring wells BW-02, BW-03 and BW-04 and overburden monitoring wells GPMW-26 and GPMW-34.

The remedial work did not remove all contamination at the Site. Remaining contamination at the Site includes the following:

<u>Soil</u>

Additional soil samples were not collected subsequent to implementation of the remedial action. As such, VOC and SVOC concentrations in areas not affected by remedial actions are anticipated to remain similar to those identified in previous investigations.

Based on the results of laboratory analysis of soil samples collected during the RI, CVOCs are present at the Site at concentrations exceeding SCGs for soil. TCE was detected in one (1) soil sample collected during pre-RI investigations at a concentration above Part 375-6.8(a) Unrestricted SCOs but below Part 375-6.8(b) Restricted Residential SCOs. Concentrations of VOCs detected in RI soil samples did not exceed Part 375-6.8(b) Restricted Residential SCOs. TCE was detected in three soil samples collected from RI and pre-RI sampling at concentrations exceeding Part 375-6.8(b) Protection of Groundwater

SCOs.

SVOCs were identified in one soil sample (i.e., IW-3 at a depth of 4' to 10' bgs) during the RI at concentrations exceeding Part 375-6.8(b) Restricted Industrial SCOs. Concentrations of all other SVOCs detected in soil samples were below Part 375-6.8(a) Unrestricted Use SCOs.

Groundwater

VOCs remain in Site groundwater at concentrations exceeding SCGs. Groundwater contamination was detected in bedrock monitoring wells located proximate the northern property line during the RI. The potential exists that contamination is migrating off-site with groundwater. Contaminant levels are anticipated to decrease over time due to the groundwater treatment remedy that was implemented at the site.

Table 8 in Appendix 4 and Figure 10 of the SMP summarize the results of all samples of groundwater that exceed the SCGs after completion of the remedial action.

Soil Vapor

Soil vapor samples have not been collected at the Site; however an SSDS has been installed at the Site to mitigate the potential for vapor intrusion into the Site building.

Since remaining contaminated soil and groundwater exists beneath portions of the Site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment. The EC/IC Plan, a component of the SMP, describes the procedures for the implementation and management of all EC/ICs at the Site.

2.0 PURPOSE AND SCOPE OF WORK

The purpose of this report is to present the annual monitoring work completed at the Site during the monitoring period. This work was completed in general accordance with the provisions of the SMP. As required in the SMP, this report includes the following information:

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

3.0 ANNUAL MONITORING

The SMP identified the on-going monitoring of the performance of the remedy, via annual sampling of ten (10) existing groundwater monitoring wells, as summarized in the following table.

On-Site Wells Included in Annual Groundwater Monitoring Program

Well ID	**Frequency**	**Testing Parameter**
GPMW-34	Quarterly	TCL List VOCs via EPA Method 8260
GPMW-26	Quarterly	TCL List VOCs via EPA Method 8260
IW-2	Quarterly	TCL List VOCs via EPA Method 8260
IW-3	Quarterly	TCL List VOCs via EPA Method 8260
IW-4	Quarterly	TCL List VOCs via EPA Method 8260
IW-5	Quarterly	TCL List VOCs via EPA Method 8260
BMW-02	Quarterly	TCL List VOCs via EPA Method 8260
BMW-03	Quarterly	TCL List VOCs via EPA Method 8260
BMW-04	Quarterly	TCL List VOCs via EPA Method 8260

In addition to groundwater monitoring, Site-wide inspections will be performed on a regular schedule at a minimum of once a year. During these inspections, an inspection form will be completed, which will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that site records are up to date.

Annual monitoring of the performance of the remedy and overall reduction in contamination on-site will be conducted for the first five (5) years. The frequency thereafter will be determined by NYSDEC. Trends in contaminant levels in air, soil, and/or groundwater in the affected areas, will be evaluated to determine if the remedy continues to be effective in achieving remedial goals.

3.1 Groundwater Monitoring

Groundwater monitoring was conducted in April, August and December 2017.

Passive diffusion bag (PDB) samplers were used to collect groundwater samples according to the procedures outlined in the SMP.

Environmental Science Corporation of Mt. Juliet, Tennessee (ESC) analyzed the groundwater samples collected. ESC is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory. The samples were analyzed for United States Environmental Protection Agency (USEPA) United States Environmental Protection Agency (USEPA) Target Compound List (TCL) VOCs using USEPA Method 8260. The laboratory analytical reports from ESC are included in Appendix A.

An Analytical Services Protocol (ASP) Category B deliverable for the laboratory reports were obtained (with one exception, see below), and a Data Usability Summary Reports (DUSR) was created for the laboratory report (see Appendix B).

3.2 Deviations from SMP

No groundwater samples were collected in the 1st quarter of 2018.

4.0 GROUNDWATER FLOW CONTOURS

Historic monitoring information previously presented to the NYSDEC describes a direction of groundwater flow that is to the north. For informational purposes, a groundwater contour map from June 2015 is included as Figure 4.

5.0 SUMMARY OF GROUNDWATER MONITORING

The results of the groundwater monitoring are summarized in the attached Table 1 and are compared to the NYSDEC Part 703 groundwater standards. As summarized in Table 1 and the following table, the following VOCs were reported above the NYSDEC Part 703 groundwater standards in groundwater during the last monitoring event of the period (i.e., December 2017:

Well ID	VOC(s) above Part 703 Groundwater Standards
GPMW-34	Tetrachloroethene & Trichloroethene
GPMW-26	Trichloroethene
IW-2	cis-1,2-Dichloroethene; 1,1,1-Trichloroethane; Trichloroethene
IW-3	None
IW-4	Trichloroethene
IW-5	None
BMW-02	None
BMW-03	cis-1,2-Dichloroethene & Trichloroethene
BMW-04	cis-1,2-Dichloroethene & Trichloroethene;

6.0 SITE EVALUATION

The annual monitoring work conducted for the March 31, 2017 to March 31, 2018 Reporting Period was completed in general accordance with the SMP, with any exceptions noted in Section 3.2.

The annual Site-wide inspection was performed on October 26, 2017 and conditions at the Site overall appeared very similar to previously observed (October 2016) conditions. A copy of the Site Inspection Form is included as Appendix C.

The analytical results from the monitoring period indicate that overall VOC concentrations show a general downward trend. The exceptions to this general trend include GPMW-26 and GPMW-34, which show potential signs of rebound; however, the concentrations detected are relatively low and these wells are not in proximity to the property line.

Revisions to SMP

Based on the overall downward trend in the groundwater concentrations the following revisions to the SMP are requested:

1. Reducing the groundwater monitoring schedule from quarterly to semi-annual. Specifically, sampling is proposed for Summer (June) and Winter (December) of each year.
2. Eliminating the generation of DUSRs for the routine monitoring work. It is proposed that DUSRs be utilized only when validating final 'end-point' data (e.g., eliminating a well from the monitoring requirements or ceasing groundwater monitoring completely). The ASP Category B deliverable will still be completed for sampling; however, DUSRs would only be developed for an 'end-point' sample.

7.0 INSTITUTIONAL AND ENGINNERING CONTROLS CERTIFICATION

The NYSDEC Institutional and Engineering Controls Certification Form is included in Appendix D.

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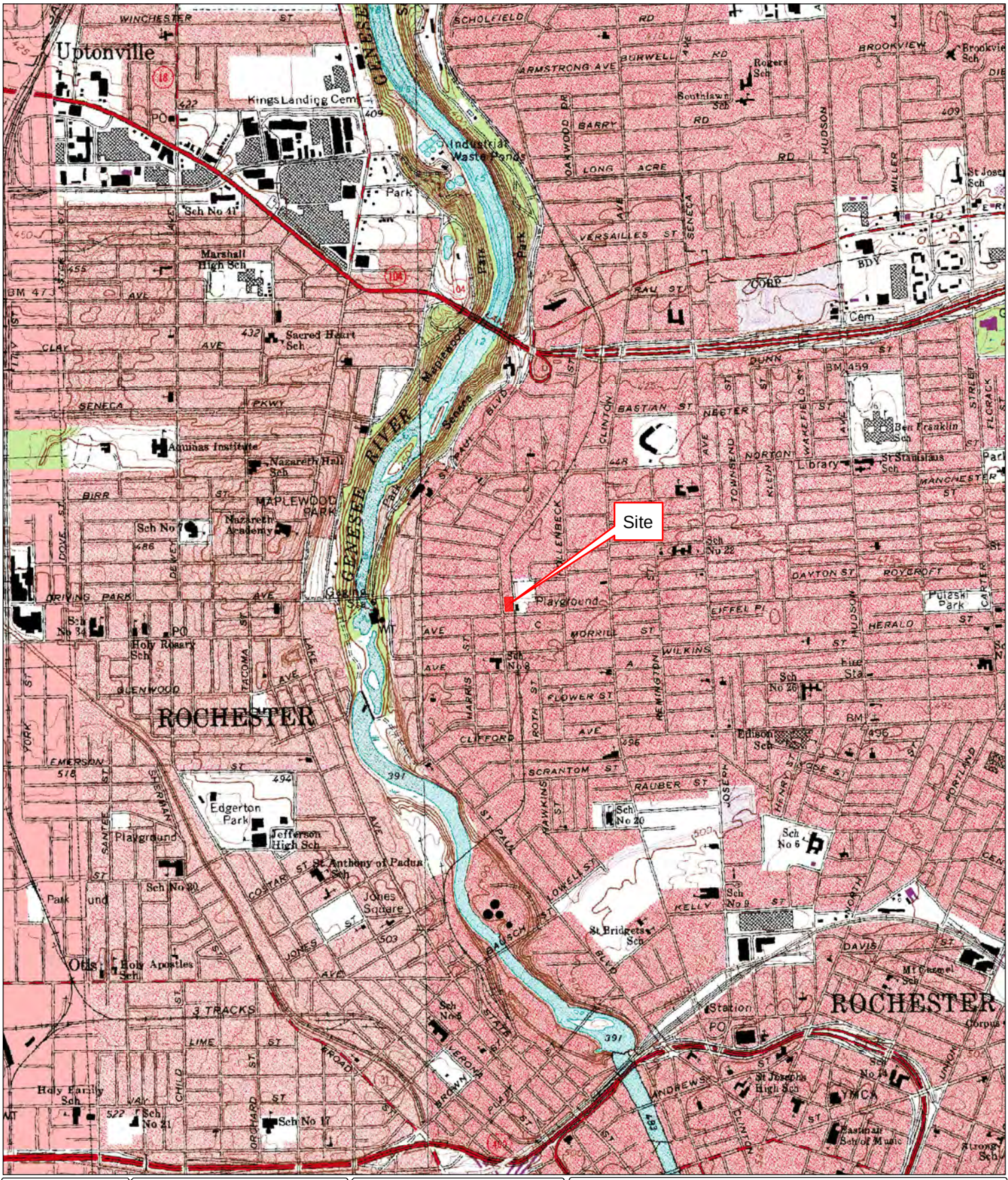
Figures



PROJECT/DRAWING NUMBER

214539

FIGURE 1

DRAWING TITLE

SITE LOCATION MAP

ISSUED FOR

DRAFT

DATE: 09/11/2015

DESIGNED BY: DKE

DRAWN BY: DKE

REVIEWED BY:

PROJECT/CLIENT

Site Management Plan

Former Michelsen Furniture Co. Site
182 Avenue D & 374 Conkey Ave.
Rochester, New York

Client: M+M Housing Development Fund Corp. as Nominee for Mills and Michelsen LLC

LABELLA Associates, D.P.C.

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0 1,050 2,100 4,200 Feet

1 inch = 2,000 feet

N W E S

Path: J:\Urban League of Rochester Economic Development\214539 - Michelson BCP Site RI & Remediation\Drawings\SMP\Fig. 1 - Site location.mxd

User: dengert

Path: J:\Urban League of Rochester Economic Development\214539 - Michelson BCP Site RI & Remediation\Drawings\SMP\Fig. 2 - Site layout map.mxd

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Periodic Review Report

Former Michelsen Furniture Co. Site
182 Avenue D &
374 Conkey Ave.
Rochester, New York

M+M Housing Development Fund Corp. as Nominee for Mills and Michelsen LLC

Title:
Adjacent Property Information

N
W E
S

100 80

1 inch = 100 feet

2161282

Figure 2

Path: I:\Mills & Michelsen LLC\2161282 - 182 Ave D Groundwater Sampling\Drawings\Fig 3 - GW monitoring.mxd

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Periodic Review Report

Former Michelsen Furniture Co. Site

182 Avenue D
&
374 Conkey Avenue
Rochester, New York

Urban League of Rochester Economic Develoment Corporation

Title:

Groundwater Monitoring Locations

N
W
E
S

10 0 10

1 inch = 25 feet

2161282

Figure 3

Legend

- 2015 RIWP Interface Well
- 2015 RIWP Bedrock Well
- Groundwater Elevation Contour (Feet)
- SiteBoundary

Notes:
1. Site Boundary determined using 2011 City of Rochester Tax Parcel data.
2. 2009 Aerial photograph obtained from NYS GIS Clearinghouse.
3. Groundwater contours created with Surfer 8 using the Kriging method.
4. Well and static water level elevations surveyed relative to each other and are intended for comparison to adjacent wells only.

Path: J:\Urban League of Rochester Economic Development\214539 - Michelson BCP Site RI & Remediation\Drawings\RI\Fig. 4 - GW Contours 6-1-2015.mxd

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BCP Remedial Investigation

Former Michelsen Furniture Co. Site

182 Avenue D
&
374 Conkey Avenue
Rochester, New York

Urban League of Rochester Economic Develoment Corporation

Title:

Groundwater Elevation Contouring

Bedrock & Interface Monitoring Wells (6/1/2015)

N W E S

10 0 10

1 inch = 25 feet

214539

Figure 4

LaBella Associates, D.P.C.

300 State Street
Rochester, New York 14614

Tables

Table 1 - Page 1
Periodic Site Monitoring - Post-injection
Former Michelsen Furniture Co. Site
182 Avenue D & 374 Conkey Avenue
Rochester, New York

Summary of Detected Volatile Organic Compounds in Groundwater Samples
Results in Micrograms per Liter (µg/L) or Parts Per Billion (ppb)

Sample ID	Sample Location																																NYSDEC Part 703 Groundwater Standards
	GPMW-26							GPMW-34							IW-2							IW-3							IW-4						
Sample Collection Date	10/30/2015	8/11/2016	10/24/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	10/30/2015	8/11/2016	10/26/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	8/11/2016	10/26/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	10/30/2015	8/11/2016	10/24/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	10/30/2015	8/11/2016	10/24/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	
ACETONE	ND	ND	ND J3	ND	ND	ND	ND J0	**79.5**	ND	ND J3	ND	ND	ND	ND J0	ND	ND J3	ND	ND	ND	ND J0	ND	ND	ND J3	ND	ND	ND	ND J0	ND	ND	ND J3	ND	ND	ND	ND J0	50
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
BROMOCHLOROMETHANE	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	50
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	**1.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
BROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	50
BROMOMETHANE	ND	ND	ND	ND	ND	ND J3	ND J0	ND	ND	ND	ND	ND	ND J3	ND J0	ND	ND	ND	ND	ND J3	ND J0	ND	ND	ND	ND	ND	ND J3	ND J0	ND	ND	ND	ND	ND	ND J3	ND J0	5
CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
CHLOROFORM	ND	ND	ND	ND	ND	ND	**8.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
CHLOROMETHANE	ND	ND	ND	ND	ND	ND J0	ND J0	ND	ND	ND	ND	ND	ND	ND J0	ND	ND	ND	ND	ND J0	ND J0	ND	ND	ND	ND	ND	ND J0	ND J0	ND	ND	ND	ND	ND	ND J0	ND J0	5
CYCLOHEXANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
1,2-DIBROMO-3-CHLOROPROPANE	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	0
1,2-DIBROMOETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	3
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0	ND	ND	1.46	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10.4**	4.9	3.11	3.89	ND	2.8	1.39	1.5	1.17	ND	1.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
CIS-1,2-DICHLOROETHENE	ND	ND	ND	ND	1.76	ND	1.3	ND	ND	ND	ND	ND	ND	ND	**147.0**	**84.7**	**44.6**	**57.2**	**13.5**	**30.5**	**114**	**118.0**	**87.7**	**43.3**	**86.2**	**31.9**	ND	ND	4.31	2.27	ND	ND	ND	ND	5
TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	5
2-HEXANONE	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	50
ISOPROPYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
2-BUTANONE (MEK)	**215**	ND	ND J3	ND	ND	ND	ND	**218**	ND	ND J3	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	50
METHYL ACETATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
METHYL CYCLOHEXANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.12	ND	ND	1.8	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
4-METHYL-2-PENTANONE (MIBK)	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	NA
METHYL TERT-BUTYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
STYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
TETRACHLOROETHENE	ND	ND	ND	ND	2.68	ND	3	ND	ND	1.47	1	3.22	ND	**9.2**	2.5	2.94	1.84	1.54	ND	1.8	1.87	1.9	2.42	1.57	ND	1.51	ND	ND	**5.19**	**6.95**	**6.66**	4.22	**5.93**	4.2	5
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	5
1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	5
1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**99.5**	**44.9**	**30.1**	**32.6**	**13**	**28.4**	**12.7**	**13.2**	**10.9**	**6.47**	4.92	**5.35**	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
TRICHLOROETHENE	1.47	**12.1**	ND	ND	**57.6**	3.3	**35.9**	ND	**94.9**	**14.9**	**115**	**397**	**14.8**	**508**	**224.0**	**160**	**96.6**	**129**	**33.4**	**94.2**	**261**	**291.0**	ND	**146**	**123**	**109**	1.4	ND	**170**	**100**	**21.8**	**15.7**	**13.7**	**9.1**	5
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
XYLENES, TOTAL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

Notes:
1. VOC analysis for TCL List VOCs by United States Environmental Protection Agency (USEPA) Method SW846 8260B.
2. Bold and highlighted type indicates that the constituent was detected above NYSDEC Part 703 Groundwater Standards.
3. "ND" - Indicates that the constituent was not detected.
4. "NA" - Indicates information is not applicable or not available.
5. "J3" - The associated batch QC was outside the established quality control range for precision.
6. "J4" - Indicates that the associated batch QC was outside the established quality control range for accuracy.
7. "J6" - Indicates that The sample matrix interfered with the ability to make any accurate determination; spike value is low.
8. "V" indicates The sample concentration is too high to evaluate accurate spike recoveries.
9. If no standard is established for a selected compound, TOGS Table 1.1.1 Guidance values are substituted.

Table 1 - Page 2
Periodic Site Monitoring - Post-injection
Former Michelsen Furniture Co. Site
182 Avenue D & 374 Conkey Avenue
Rochester, New York

Summary of Detected Volatile Organic Compounds in Groundwater Samples
Results in Micrograms per Liter (µg/L) or Parts Per Billion (ppb)

Sample ID	Sample Location																													NYSDEC Part 703 Groundwater Standards
	IW-5						BW-02							BW-03							BW-04									
Sample Collection Date	8/11/2016	10/24/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	10/30/2015	8/11/2016	10/24/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	10/30/2015	8/11/2016	10/26/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017	10/30/2015	8/11/2016	10/26/2016	1/30/2017	4/4/2017	8/18/2017	12/1/2017			
ACETONE	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND J0	ND	ND	ND	ND	ND	ND	ND J0	ND	ND	ND J3	ND	ND	ND	ND J0			50
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.32	1.64	1.41	ND	ND	ND	ND			1
BROMOCHLOROMETHANE	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND			50
BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			50
BROMOFORM	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			50
BROMOMETHANE	ND	ND	ND	ND	ND J0	ND	ND	ND	ND	ND	ND	ND J3	ND J0	ND	ND	ND	ND	ND	ND J3	ND J0	ND	ND	ND	ND J3	ND	ND J3	ND			5
CARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			60
CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
CHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
CHLOROFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			7
CHLOROMETHANE	ND	ND	ND	ND	ND J0	ND	ND	ND	ND	ND	ND	ND J0	ND J0	ND	ND	ND	ND	ND	ND J0	ND J0	ND	ND	ND	ND	ND	ND J0	ND J0			5
CYCLOHEXANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.55	**4.23**	2.49	2.38	1.57	ND	ND			3
1,2-DIBROMO-3-CHLOROPROPANE	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND			0
1,2-DIBROMOETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			3
1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			3
1,4-DICHLOROBENZENE	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			3
DICHLORODIFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			1
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.72	**5.48**	4.14	2.61	1.8	ND	ND			5
CIS-1,2-DICHLOROETHENE	**25.8**	**6.67**	ND	ND	ND	ND	**27.2**	**36.8**	**25.2**	13.3	**10.9**	ND	ND	2.07	**19.4**	**25.4**	**50.3**	**6.84**	**39.9**	**56.8**	**664**	**1810**	**974**	**1,050**	**654**	**301**	**177**	V		5
TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.15**	**10.2**	**8.24**	**5.21**	3.19	ND	ND			5
1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			1
CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			NA
TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
2-HEXANONE	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND			50
ISOPROPYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
2-BUTANONE (MEK)	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND			50
METHYL ACETATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J6	ND	ND	ND			1
METHYL CYCLOHEXANE	6.32	1.53	ND	ND	ND	ND	ND	1.45	ND	ND	ND	ND	ND	1.13	ND	1.03	ND	1.28	ND	ND	2.1	4.68	ND	2.99	2.21	ND	ND			NA
METHYLENE CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
4-METHYL-2-PENTANONE (MIBK)	ND	ND J3	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND			NA
METHYL TERT-BUTYL ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			10
STYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
TETRACHLOROETHENE	4.77	3.49	ND	ND	ND	ND	ND	1.45	1.44	1.24	1.01	ND	ND	ND	ND	ND	2.19	ND	ND	ND	ND	ND	1.69	1.73	1.58	ND	ND			5
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.51	ND	ND	ND	ND	ND			5
1,2,3-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND J4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.46**	ND	ND	ND	ND			5
1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
TRICHLOROETHENE	**431**	**48.6**	ND	ND	ND	ND	**95** J6	**188**	**167**	1.0	**72.5**	ND	1.36	2.52	**6.51**	**34.5**	**106**	**12.1**	**50.3**	**71**	**256**	**240**	**301**	**201**	**139**	**20.2**	**7.7**			5
TRICHLOROFLUOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**37.1**	**151**	**61.2**	**69.3**	**53.5**	ND	1.2			2
XYLENES, TOTAL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5

Notes:
1. VOC analysis for TCL List VOCs by United States Environmental Protection Agency (USEPA) Method SW846 8260B
2. Bold and highlighted type indicates that the constituent was detected above NYSDEC Part 703 Groundwater Standards.
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8. "V" indicates The sample concentration is too high to evaluate accurate spike recoveries.
9. If no standard is established for a selected compound, TOGS Table 1.1.1 Guidance values are substituted.

LaBella Associates, D.P.C.

300 State Street
Rochester, New York 14614

Appendix A

Laboratory Analytical Reports

ANALYTICAL REPORT

April 13, 2017

LaBella Associates, P.C.

Sample Delivery Group:	L900611
Samples Received:	04/05/2017
Project Number:	2161282
Description:	Michelsen PDB April 2017
Site:	2161282
Report To:	Mr. Steven Rife / Mr. Dave Engert 300 State Street, Suite 201 Rochester, NY 14614

Entire Report Reviewed By:

T. Alan Harvill
Technical Service Representative

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.esclabsciences.com

TABLE OF CONTENTS

DUPE L900611-01 GW

Collected by: S. Rife | Collected date/time: 04/04/17 00:00 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 11:18	04/10/17 11:18	DWR

IW-2 L900611-02 GW

Collected by: S. Rife | Collected date/time: 04/04/17 11:00 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 11:35	04/10/17 11:35	DWR

IW-3 L900611-03 GW

Collected by: S. Rife | Collected date/time: 04/04/17 11:10 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 12:42	04/10/17 12:42	LRL

BW-2 L900611-04 GW

Collected by: S. Rife | Collected date/time: 04/04/17 11:20 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 12:59	04/10/17 12:59	LRL

BW-3 L900611-05 GW

Collected by: S. Rife | Collected date/time: 04/04/17 11:30 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 13:16	04/10/17 13:16	LRL

BW-4 L900611-06 GW

Collected by: S. Rife | Collected date/time: 04/04/17 11:40 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 13:33	04/10/17 13:33	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	10	04/12/17 04:56	04/12/17 04:56	JAH

IW-5 L900611-07 GW

Collected by: S. Rife | Collected date/time: 04/04/17 11:50 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 13:50	04/10/17 13:50	LRL

IW-4 L900611-08 GW

Collected by: S. Rife | Collected date/time: 04/04/17 12:10 | Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 14:07	04/10/17 14:07	LRL

GPMW-26 L900611-09 GW

Collected by: S. Rife
Collected date/time: 04/04/17 12:30
Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 14:23	04/10/17 14:23	LRL

GPMW-34 L900611-10 GW

Collected by: S. Rife
Collected date/time: 04/04/17 12:50
Received date/time: 04/05/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	1	04/10/17 14:40	04/10/17 14:40	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG968208	10	04/12/17 05:09	04/12/17 05:09	JAH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

T. Alan Harvill
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 11:18	WG968208
Benzene	ND		1.00	1	04/10/2017 11:18	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 11:18	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 11:18	WG968208
Bromoform	ND		1.00	1	04/10/2017 11:18	WG968208
Bromomethane	ND		5.00	1	04/10/2017 11:18	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 11:18	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 11:18	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 11:18	WG968208
Chloroethane	ND		5.00	1	04/10/2017 11:18	WG968208
Chloroform	ND		5.00	1	04/10/2017 11:18	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 11:18	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 11:18	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 11:18	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 11:18	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 11:18	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
1,1-Dichloroethene	1.05		1.00	1	04/10/2017 11:18	WG968208
cis-1,2-Dichloroethene	87.5		1.00	1	04/10/2017 11:18	WG968208
trans-1,2-Dichloroethene	1.76		1.00	1	04/10/2017 11:18	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 11:18	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:18	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:18	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 11:18	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 11:18	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 11:18	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 11:18	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 11:18	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 11:18	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 11:18	WG968208
Naphthalene	ND		5.00	1	04/10/2017 11:18	WG968208
Styrene	ND		1.00	1	04/10/2017 11:18	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 11:18	WG968208
Toluene	ND		1.00	1	04/10/2017 11:18	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,1,1-Trichloroethane	4.74		1.00	1	04/10/2017 11:18	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
Trichloroethene	124		1.00	1	04/10/2017 11:18	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 11:18	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 11:18	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 11:18	WG968208
o-Xylene	ND		1.00	1	04/10/2017 11:18	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 11:18	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 11:18	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 11:18*	WG968208
(S) Dibromofluoromethane	*102*		*76.0-123*		*04/10/2017 11:18*	WG968208
(S) α,α,α-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 11:18*	WG968208
(S) 4-Bromofluorobenzene	*99.4*		*80.0-120*		*04/10/2017 11:18*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 11:35	WG968208
Benzene	ND		1.00	1	04/10/2017 11:35	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 11:35	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 11:35	WG968208
Bromoform	ND		1.00	1	04/10/2017 11:35	WG968208
Bromomethane	ND		5.00	1	04/10/2017 11:35	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 11:35	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 11:35	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 11:35	WG968208
Chloroethane	ND		5.00	1	04/10/2017 11:35	WG968208
Chloroform	ND		5.00	1	04/10/2017 11:35	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 11:35	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 11:35	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 11:35	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 11:35	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 11:35	WG968208
1,1-Dichloroethane	1.46		1.00	1	04/10/2017 11:35	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 11:35	WG968208
1,1-Dichloroethene	3.89		1.00	1	04/10/2017 11:35	WG968208
cis-1,2-Dichloroethene	57.2		1.00	1	04/10/2017 11:35	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 11:35	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:35	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:35	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 11:35	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 11:35	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 11:35	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 11:35	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 11:35	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 11:35	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 11:35	WG968208
Naphthalene	ND		5.00	1	04/10/2017 11:35	WG968208
Styrene	ND		1.00	1	04/10/2017 11:35	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 11:35	WG968208
Tetrachloroethene	1.54		1.00	1	04/10/2017 11:35	WG968208
Toluene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,1,1-Trichloroethane	32.6		1.00	1	04/10/2017 11:35	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 11:35	WG968208
Trichloroethene	129		1.00	1	04/10/2017 11:35	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 11:35	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 11:35	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 11:35	WG968208
o-Xylene	ND		1.00	1	04/10/2017 11:35	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 11:35	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 11:35	WG968208
(S) Toluene-d8	*101*		*80.0-120*		*04/10/2017 11:35*	WG968208
(S) Dibromofluoromethane	*97.4*		*76.0-123*		*04/10/2017 11:35*	WG968208
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*04/10/2017 11:35*	WG968208
(S) 4-Bromofluorobenzene	*99.2*		*80.0-120*		*04/10/2017 11:35*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 12:42	WG968208
Benzene	ND		1.00	1	04/10/2017 12:42	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 12:42	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 12:42	WG968208
Bromoform	ND		1.00	1	04/10/2017 12:42	WG968208
Bromomethane	ND		5.00	1	04/10/2017 12:42	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 12:42	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 12:42	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 12:42	WG968208
Chloroethane	ND		5.00	1	04/10/2017 12:42	WG968208
Chloroform	ND		5.00	1	04/10/2017 12:42	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 12:42	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 12:42	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 12:42	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 12:42	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 12:42	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
1,1-Dichloroethene	1.04		1.00	1	04/10/2017 12:42	WG968208
cis-1,2-Dichloroethene	86.2		1.00	1	04/10/2017 12:42	WG968208
trans-1,2-Dichloroethene	1.86		1.00	1	04/10/2017 12:42	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 12:42	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:42	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:42	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 12:42	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 12:42	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 12:42	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 12:42	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 12:42	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 12:42	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 12:42	WG968208
Naphthalene	ND		5.00	1	04/10/2017 12:42	WG968208
Styrene	ND		1.00	1	04/10/2017 12:42	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 12:42	WG968208
Toluene	ND		1.00	1	04/10/2017 12:42	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,1,1-Trichloroethane	4.92		1.00	1	04/10/2017 12:42	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
Trichloroethene	123		1.00	1	04/10/2017 12:42	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 12:42	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 12:42	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 12:42	WG968208
o-Xylene	ND		1.00	1	04/10/2017 12:42	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 12:42	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 12:42	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 12:42*	WG968208
(S) Dibromofluoromethane	*102*		*76.0-123*		*04/10/2017 12:42*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 12:42*	WG968208
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*04/10/2017 12:42*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 12:59	WG968208
Benzene	ND		1.00	1	04/10/2017 12:59	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 12:59	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 12:59	WG968208
Bromoform	ND		1.00	1	04/10/2017 12:59	WG968208
Bromomethane	ND		5.00	1	04/10/2017 12:59	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 12:59	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 12:59	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 12:59	WG968208
Chloroethane	ND		5.00	1	04/10/2017 12:59	WG968208
Chloroform	ND		5.00	1	04/10/2017 12:59	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 12:59	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 12:59	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 12:59	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 12:59	WG968208
cis-1,2-Dichloroethene	10.9		1.00	1	04/10/2017 12:59	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 12:59	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:59	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:59	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 12:59	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 12:59	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 12:59	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 12:59	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 12:59	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 12:59	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 12:59	WG968208
Naphthalene	ND		5.00	1	04/10/2017 12:59	WG968208
Styrene	ND		1.00	1	04/10/2017 12:59	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
Tetrachloroethene	1.01		1.00	1	04/10/2017 12:59	WG968208
Toluene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
Trichloroethene	72.5		1.00	1	04/10/2017 12:59	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 12:59	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 12:59	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 12:59	WG968208
o-Xylene	ND		1.00	1	04/10/2017 12:59	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 12:59	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 12:59	WG968208
(S) Toluene-d8	*103*		*80.0-120*		*04/10/2017 12:59*	WG968208
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*04/10/2017 12:59*	WG968208
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*04/10/2017 12:59*	WG968208
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*04/10/2017 12:59*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 13:16	WG968208
Benzene	ND		1.00	1	04/10/2017 13:16	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 13:16	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 13:16	WG968208
Bromoform	ND		1.00	1	04/10/2017 13:16	WG968208
Bromomethane	ND		5.00	1	04/10/2017 13:16	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 13:16	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 13:16	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 13:16	WG968208
Chloroethane	ND		5.00	1	04/10/2017 13:16	WG968208
Chloroform	ND		5.00	1	04/10/2017 13:16	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 13:16	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 13:16	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 13:16	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 13:16	WG968208
cis-1,2-Dichloroethene	6.84		1.00	1	04/10/2017 13:16	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 13:16	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:16	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:16	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 13:16	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 13:16	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 13:16	WG968208
Methyl Cyclohexane	1.28		1.00	1	04/10/2017 13:16	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 13:16	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 13:16	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 13:16	WG968208
Naphthalene	ND		5.00	1	04/10/2017 13:16	WG968208
Styrene	ND		1.00	1	04/10/2017 13:16	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 13:16	WG968208
Toluene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
Trichloroethene	12.1		1.00	1	04/10/2017 13:16	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 13:16	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 13:16	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 13:16	WG968208
o-Xylene	ND		1.00	1	04/10/2017 13:16	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 13:16	WG968208
n-Butylbenzene	1.40		1.00	1	04/10/2017 13:16	WG968208
sec-Butylbenzene	3.92		1.00	1	04/10/2017 13:16	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
p-Isopropyltoluene	1.32		1.00	1	04/10/2017 13:16	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 13:16*	WG968208
(S) Dibromofluoromethane	*97.2*		*76.0-123*		*04/10/2017 13:16*	WG968208
(S) α,α,α-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 13:16*	WG968208
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*04/10/2017 13:16*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 13:33	WG968208
Benzene	ND		1.00	1	04/10/2017 13:33	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 13:33	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 13:33	WG968208
Bromoform	ND		1.00	1	04/10/2017 13:33	WG968208
Bromomethane	ND		5.00	1	04/10/2017 13:33	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 13:33	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 13:33	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 13:33	WG968208
Chloroethane	ND		5.00	1	04/10/2017 13:33	WG968208
Chloroform	ND		5.00	1	04/10/2017 13:33	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 13:33	WG968208
Cyclohexane	1.57		1.00	1	04/10/2017 13:33	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 13:33	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 13:33	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,1-Dichloroethene	1.80		1.00	1	04/10/2017 13:33	WG968208
cis-1,2-Dichloroethene	654		10.0	10	04/12/2017 04:56	WG968208
trans-1,2-Dichloroethene	3.19		1.00	1	04/10/2017 13:33	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 13:33	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:33	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:33	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 13:33	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 13:33	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 13:33	WG968208
Methyl Cyclohexane	2.21		1.00	1	04/10/2017 13:33	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 13:33	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 13:33	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 13:33	WG968208
Naphthalene	ND		5.00	1	04/10/2017 13:33	WG968208
Styrene	ND		1.00	1	04/10/2017 13:33	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
Tetrachloroethene	1.58		1.00	1	04/10/2017 13:33	WG968208
Toluene	ND		1.00	1	04/10/2017 13:33	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
Trichloroethene	139		1.00	1	04/10/2017 13:33	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 13:33	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 13:33	WG968208
Vinyl chloride	53.5		1.00	1	04/10/2017 13:33	WG968208
o-Xylene	ND		1.00	1	04/10/2017 13:33	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 13:33	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 13:33	WG968208
(S) Toluene-d8	*101*		*80.0-120*		*04/10/2017 13:33*	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/12/2017 04:56*	WG968208
(S) Dibromofluoromethane	*100*		*76.0-123*		*04/10/2017 13:33*	WG968208
(S) Dibromofluoromethane	*106*		*76.0-123*		*04/12/2017 04:56*	WG968208
(S) α,α,α-Trifluorotoluene	*99.8*		*80.0-120*		*04/12/2017 04:56*	WG968208
(S) α,α,α-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 13:33*	WG968208
(S) 4-Bromofluorobenzene	*96.7*		*80.0-120*		*04/12/2017 04:56*	WG968208
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*04/10/2017 13:33*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 13:50	WG968208
Benzene	ND		1.00	1	04/10/2017 13:50	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 13:50	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 13:50	WG968208
Bromoform	ND		1.00	1	04/10/2017 13:50	WG968208
Bromomethane	ND		5.00	1	04/10/2017 13:50	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 13:50	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 13:50	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 13:50	WG968208
Chloroethane	ND		5.00	1	04/10/2017 13:50	WG968208
Chloroform	ND		5.00	1	04/10/2017 13:50	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 13:50	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 13:50	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 13:50	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
cis-1,2-Dichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 13:50	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:50	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:50	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 13:50	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 13:50	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 13:50	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 13:50	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 13:50	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 13:50	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 13:50	WG968208
Naphthalene	ND		5.00	1	04/10/2017 13:50	WG968208
Styrene	ND		1.00	1	04/10/2017 13:50	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
Toluene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
Trichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 13:50	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 13:50	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 13:50	WG968208
o-Xylene	ND		1.00	1	04/10/2017 13:50	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 13:50	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 13:50	WG968208
(S) Toluene-d8	*103*		*80.0-120*		*04/10/2017 13:50*	WG968208
(S) Dibromofluoromethane	*98.4*		*76.0-123*		*04/10/2017 13:50*	WG968208
(S) α,α,α-Trifluorotoluene	*107*		*80.0-120*		*04/10/2017 13:50*	WG968208
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*04/10/2017 13:50*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 14:07	WG968208
Benzene	ND		1.00	1	04/10/2017 14:07	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 14:07	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 14:07	WG968208
Bromoform	ND		1.00	1	04/10/2017 14:07	WG968208
Bromomethane	ND		5.00	1	04/10/2017 14:07	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 14:07	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 14:07	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 14:07	WG968208
Chloroethane	ND		5.00	1	04/10/2017 14:07	WG968208
Chloroform	ND		5.00	1	04/10/2017 14:07	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 14:07	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 14:07	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 14:07	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 14:07	WG968208
cis-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:07	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 14:07	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:07	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:07	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 14:07	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 14:07	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 14:07	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 14:07	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 14:07	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 14:07	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 14:07	WG968208
Naphthalene	ND		5.00	1	04/10/2017 14:07	WG968208
Styrene	ND		1.00	1	04/10/2017 14:07	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
Tetrachloroethene	4.22		1.00	1	04/10/2017 14:07	WG968208
Toluene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
Trichloroethene	15.7		1.00	1	04/10/2017 14:07	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 14:07	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 14:07	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 14:07	WG968208
o-Xylene	ND		1.00	1	04/10/2017 14:07	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 14:07	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 14:07	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 14:07*	WG968208
(S) Dibromofluoromethane	*101*		*76.0-123*		*04/10/2017 14:07*	WG968208
(S) α,α,α-Trifluorotoluene	*105*		*80.0-120*		*04/10/2017 14:07*	WG968208
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*04/10/2017 14:07*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 14:23	WG968208
Benzene	ND		1.00	1	04/10/2017 14:23	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 14:23	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 14:23	WG968208
Bromoform	ND		1.00	1	04/10/2017 14:23	WG968208
Bromomethane	ND		5.00	1	04/10/2017 14:23	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 14:23	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 14:23	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 14:23	WG968208
Chloroethane	ND		5.00	1	04/10/2017 14:23	WG968208
Chloroform	ND		5.00	1	04/10/2017 14:23	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 14:23	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 14:23	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 14:23	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 14:23	WG968208
cis-1,2-Dichloroethene	1.76		1.00	1	04/10/2017 14:23	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 14:23	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:23	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:23	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 14:23	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 14:23	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 14:23	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 14:23	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 14:23	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 14:23	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 14:23	WG968208
Naphthalene	ND		5.00	1	04/10/2017 14:23	WG968208
Styrene	ND		1.00	1	04/10/2017 14:23	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
Tetrachloroethene	2.68		1.00	1	04/10/2017 14:23	WG968208
Toluene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
Trichloroethene	57.6		1.00	1	04/10/2017 14:23	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 14:23	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 14:23	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 14:23	WG968208
o-Xylene	ND		1.00	1	04/10/2017 14:23	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 14:23	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 14:23	WG968208
(S) Toluene-d8	*101*		*80.0-120*		*04/10/2017 14:23*	WG968208
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*04/10/2017 14:23*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 14:23*	WG968208
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*04/10/2017 14:23*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/10/2017 14:40	WG968208
Benzene	ND		1.00	1	04/10/2017 14:40	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 14:40	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 14:40	WG968208
Bromoform	ND		1.00	1	04/10/2017 14:40	WG968208
Bromomethane	ND		5.00	1	04/10/2017 14:40	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 14:40	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 14:40	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 14:40	WG968208
Chloroethane	ND		5.00	1	04/10/2017 14:40	WG968208
Chloroform	ND		5.00	1	04/10/2017 14:40	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 14:40	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 14:40	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 14:40	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 14:40	WG968208
cis-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:40	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 14:40	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:40	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:40	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 14:40	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 14:40	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 14:40	WG968208
Methyl Cyclohexane	4.12		1.00	1	04/10/2017 14:40	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 14:40	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 14:40	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 14:40	WG968208
Naphthalene	ND		5.00	1	04/10/2017 14:40	WG968208
Styrene	ND		1.00	1	04/10/2017 14:40	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
Tetrachloroethene	3.22		1.00	1	04/10/2017 14:40	WG968208
Toluene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
Trichloroethene	397		10.0	10	04/12/2017 05:09	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 14:40	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 14:40	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 14:40	WG968208
o-Xylene	ND		1.00	1	04/10/2017 14:40	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 14:40	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 14:40	WG968208
(S) Toluene-d8	*97.8*		*80.0-120*		*04/10/2017 14:40*	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/12/2017 05:09*	WG968208
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*04/10/2017 14:40*	WG968208
(S) Dibromofluoromethane	*106*		*76.0-123*		*04/12/2017 05:09*	WG968208
(S) α,α,α-Trifluorotoluene	*99.4*		*80.0-120*		*04/12/2017 05:09*	WG968208
(S) α,α,α-Trifluorotoluene	*101*		*80.0-120*		*04/10/2017 14:40*	WG968208
(S) 4-Bromofluorobenzene	*97.7*		*80.0-120*		*04/12/2017 05:09*	WG968208
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*04/10/2017 14:40*	WG968208

Method Blank (MB)

(MB) R3209565-3 04/10/17 06:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
p-Isopropyltoluene	U		0.350	1.00
Isopropylbenzene	U		0.326	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

Method Blank (MB)

(MB) R3209565-3 04/10/17 06:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
Trichloroethene	U		0.398	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Trichlorofluoromethane	U		1.20	5.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
Vinyl chloride	U		0.259	1.00
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3209565-1 04/10/17 05:57 • (LCSD) R3209565-2 04/10/17 06:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	182	198	145	158	10.0-160			8.58	23
Benzene	25.0	19.9	20.1	79.7	80.4	69.0-123			0.950	20
Bromodichloromethane	25.0	23.9	23.6	95.6	94.6	76.0-120			1.12	20
Bromochloromethane	25.0	21.6	21.0	86.4	83.9	76.0-122			2.98	20
Bromoform	25.0	20.2	21.0	81.0	84.1	67.0-132			3.82	20
Bromomethane	25.0	27.7	26.1	111	104	18.0-160			5.97	20
n-Butylbenzene	25.0	21.9	22.6	87.4	90.2	72.0-126			3.12	20
sec-Butylbenzene	25.0	22.1	23.4	88.5	93.7	74.0-121			5.65	20
tert-Butylbenzene	25.0	20.0	21.7	79.9	86.8	75.0-122			8.31	20
Carbon disulfide	25.0	23.4	24.0	93.7	96.1	55.0-127			2.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3209565-1 04/10/17 05:57 • (LCSD) R3209565-2 04/10/17 06:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	25.0	20.7	21.5	82.8	86.0	63.0-122			3.80	20
Chlorobenzene	25.0	22.8	23.4	91.1	93.7	79.0-121			2.79	20
Chlorodibromomethane	25.0	22.7	23.3	90.7	93.1	75.0-125			2.54	20
Chloroethane	25.0	21.8	22.3	87.4	89.3	47.0-152			2.17	20
Chloroform	25.0	22.9	23.2	91.8	92.7	72.0-121			1.00	20
Chloromethane	25.0	18.9	19.7	75.7	78.6	48.0-139			3.80	20
Cyclohexane	25.0	20.5	20.9	82.0	83.6	70.0-130			1.93	20
1,2-Dibromo-3-Chloropropane	25.0	19.9	21.1	79.5	84.5	64.0-127			6.13	20
1,2-Dibromoethane	25.0	23.2	23.5	93.0	93.9	77.0-123			0.930	20
1,2-Dichlorobenzene	25.0	23.5	23.8	93.8	95.3	80.0-120			1.54	20
1,3-Dichlorobenzene	25.0	22.9	23.7	91.6	94.6	72.0-123			3.28	20
1,4-Dichlorobenzene	25.0	22.0	22.6	88.1	90.5	77.0-120			2.60	20
Dichlorodifluoromethane	25.0	25.0	25.6	99.9	102	49.0-155			2.50	20
1,1-Dichloroethane	25.0	22.5	22.8	90.0	91.3	70.0-126			1.49	20
1,2-Dichloroethane	25.0	25.5	25.0	102	100	67.0-126			1.84	20
1,1-Dichloroethene	25.0	23.6	24.1	94.3	96.4	64.0-129			2.21	20
cis-1,2-Dichloroethene	25.0	23.4	23.4	93.5	93.7	73.0-120			0.150	20
trans-1,2-Dichloroethene	25.0	22.3	23.0	89.3	92.1	71.0-121			3.12	20
1,2-Dichloropropane	25.0	23.2	22.8	92.7	91.4	75.0-125			1.44	20
cis-1,3-Dichloropropene	25.0	25.5	24.7	102	98.8	79.0-123			3.35	20
trans-1,3-Dichloropropene	25.0	24.1	24.2	96.3	96.8	74.0-127			0.440	20
Ethylbenzene	25.0	19.8	20.7	79.2	82.9	77.0-120			4.52	20
2-Hexanone	125	126	134	101	107	58.0-147			5.99	20
Isopropylbenzene	25.0	19.9	20.9	79.5	83.6	75.0-120			5.06	20
p-Isopropyltoluene	25.0	23.5	24.3	94.1	97.4	74.0-126			3.46	20
2-Butanone (MEK)	125	110	116	88.1	93.0	37.0-158			5.46	20
Methyl Acetate	125	125	131	100	105	70.0-130			4.12	20
Methyl Cyclohexane	25.0	23.0	23.6	92.2	94.3	70.0-130			2.34	20
Methylene Chloride	25.0	21.9	22.1	87.8	88.5	66.0-121			0.830	20
4-Methyl-2-pentanone (MIBK)	125	116	118	92.9	94.5	59.0-143			1.74	20
Methyl tert-butyl ether	25.0	23.0	22.6	91.8	90.5	64.0-123			1.47	20
Naphthalene	25.0	18.8	19.2	75.2	76.8	62.0-128			2.07	20
n-Propylbenzene	25.0	20.4	21.3	81.5	85.1	79.0-120			4.34	20
Styrene	25.0	21.4	21.8	85.4	87.1	78.0-124			1.97	20
1,1,2,2-Tetrachloroethane	25.0	22.7	22.7	90.7	90.6	71.0-122			0.140	20
Tetrachloroethene	25.0	23.0	23.9	92.2	95.8	70.0-127			3.84	20
Toluene	25.0	21.1	21.0	84.5	83.9	77.0-120			0.700	20
1,1,2-Trichlorotrifluoroethane	25.0	21.7	22.4	86.8	89.7	61.0-136			3.35	20
1,2,3-Trichlorobenzene	25.0	22.2	22.6	89.0	90.6	61.0-133			1.79	20
1,2,4-Trichlorobenzene	25.0	23.0	23.6	91.9	94.5	69.0-129			2.77	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3209565-1 04/10/17 05:57 • (LCSD) R3209565-2 04/10/17 06:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	25.0	23.5	24.1	94.0	96.4	68.0-122			2.54	20
1,1,2-Trichloroethane	25.0	22.1	22.5	88.3	90.1	78.0-120			1.95	20
Trichloroethene	25.0	23.8	24.5	95.1	98.1	78.0-120			3.15	20
Trichlorofluoromethane	25.0	24.1	25.0	96.4	99.9	56.0-137			3.59	20
1,2,4-Trimethylbenzene	25.0	23.0	23.8	92.2	95.1	75.0-120			3.16	20
1,3,5-Trimethylbenzene	25.0	22.7	23.2	90.6	92.8	75.0-120			2.38	20
Vinyl chloride	25.0	22.8	23.4	91.1	93.6	64.0-133			2.75	20
o-Xylene	25.0	20.3	20.9	81.4	83.6	78.0-120			2.68	20
m&p-Xylenes	50.0	40.1	41.0	80.3	81.9	77.0-120			2.02	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*99.3*	*98.5*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*104*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*101*	*80.0-120*				

L900611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L900611-02 04/10/17 11:35 • (MS) R3209565-4 04/10/17 11:52 • (MSD) R3209565-5 04/10/17 12:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	101	106	80.9	84.9	1	10.0-139			4.87	25
Benzene	25.0	ND	22.0	22.1	88.1	88.6	1	34.0-147			0.530	20
Bromodichloromethane	25.0	ND	24.8	25.4	99.0	102	1	52.0-135			2.71	20
Bromochloromethane	25.0	ND	23.1	23.4	92.3	93.7	1	53.0-138			1.46	20
Bromoform	25.0	ND	20.8	20.6	83.3	82.6	1	50.0-146			0.930	20
Bromomethane	25.0	ND	32.8	32.9	131	132	1	10.0-160			0.170	23
n-Butylbenzene	25.0	ND	23.5	24.0	93.9	95.9	1	50.0-144			2.11	20
sec-Butylbenzene	25.0	ND	24.5	24.4	98.0	97.8	1	48.0-143			0.250	20
tert-Butylbenzene	25.0	ND	22.4	22.3	89.5	89.4	1	50.0-142			0.170	20
Carbon disulfide	25.0	ND	25.8	26.2	103	105	1	10.0-147			1.60	20
Carbon tetrachloride	25.0	ND	24.4	23.4	97.6	93.5	1	41.0-138			4.24	20
Chlorobenzene	25.0	ND	24.4	25.2	97.5	101	1	52.0-141			3.19	20
Chlorodibromomethane	25.0	ND	23.2	24.1	92.8	96.6	1	54.0-142			4.01	20
Chloroethane	25.0	ND	23.8	23.7	95.1	94.8	1	23.0-160			0.380	20
Chloroform	25.0	ND	24.6	25.3	98.4	101	1	50.0-139			2.94	20
Chloromethane	25.0	ND	20.2	21.1	80.7	84.3	1	14.0-151			4.29	20
Cyclohexane	25.0	ND	23.4	23.7	93.5	94.8	1	70.0-130			1.40	20
1,2-Dibromo-3-Chloropropane	25.0	ND	20.2	20.7	80.9	82.9	1	49.0-144			2.46	24
1,2-Dibromoethane	25.0	ND	23.7	24.2	94.8	97.0	1	54.0-140			2.21	20
1,2-Dichlorobenzene	25.0	ND	23.9	24.6	95.6	98.4	1	56.0-139			2.92	20

L900611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L900611-02 04/10/17 11:35 • (MS) R3209565-4 04/10/17 11:52 • (MSD) R3209565-5 04/10/17 12:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3-Dichlorobenzene	25.0	ND	24.0	24.4	95.9	97.5	1	50.0-141			1.68	20
1,4-Dichlorobenzene	25.0	ND	23.2	23.8	92.9	95.1	1	53.0-136			2.29	20
Dichlorodifluoromethane	25.0	ND	26.3	26.3	105	105	1	20.0-160			0.0100	21
1,1-Dichloroethane	25.0	1.46	26.1	26.5	98.4	100	1	47.0-143			1.62	20
1,2-Dichloroethane	25.0	ND	26.6	27.5	107	110	1	47.0-141			3.09	20
1,1-Dichloroethene	25.0	3.89	29.4	30.3	102	106	1	31.0-148			3.22	20
cis-1,2-Dichloroethene	25.0	57.2	83.7	82.0	106	99.3	1	43.0-142			2.06	20
trans-1,2-Dichloroethene	25.0	ND	24.9	25.2	99.7	101	1	36.0-141			1.19	20
1,2-Dichloropropane	25.0	ND	24.2	24.4	96.9	97.4	1	51.0-141			0.520	20
cis-1,3-Dichloropropene	25.0	ND	26.0	26.2	104	105	1	53.0-139			0.690	20
trans-1,3-Dichloropropene	25.0	ND	24.7	25.1	98.9	100	1	51.0-143			1.54	20
Ethylbenzene	25.0	ND	22.0	22.0	88.0	88.1	1	42.0-147			0.0800	20
2-Hexanone	125	ND	106	107	84.5	85.8	1	36.0-145			1.49	23
Isopropylbenzene	25.0	ND	21.7	22.5	86.7	89.9	1	48.0-141			3.59	20
p-Isopropyltoluene	25.0	ND	25.4	25.7	102	103	1	49.0-146			1.13	20
2-Butanone (MEK)	125	ND	83.8	85.1	67.0	68.0	1	12.0-149			1.50	24
Methyl Acetate	125	ND	122	123	97.8	98.4	1	70.0-130			0.550	20.8
Methyl Cyclohexane	25.0	ND	26.8	26.8	107	107	1	70.0-130			0.0100	20.8
Methylene Chloride	25.0	ND	23.7	24.3	94.7	97.4	1	42.0-135			2.81	20
4-Methyl-2-pentanone (MIBK)	125	ND	114	114	91.0	91.3	1	44.0-160			0.340	22
Methyl tert-butyl ether	25.0	ND	23.7	23.6	94.8	94.4	1	42.0-142			0.380	20
Naphthalene	25.0	ND	18.6	19.5	74.3	78.1	1	42.0-146			4.98	24
n-Propylbenzene	25.0	ND	22.1	22.7	88.6	90.8	1	47.0-144			2.53	20
Styrene	25.0	ND	22.3	22.8	89.3	91.2	1	47.0-147			2.10	20
1,1,2,2-Tetrachloroethane	25.0	ND	22.4	23.2	89.4	92.8	1	46.0-149			3.73	20
Tetrachloroethene	25.0	1.54	27.0	27.2	102	103	1	38.0-147			0.790	20
Toluene	25.0	ND	22.3	22.4	89.3	89.8	1	42.0-141			0.560	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	24.9	25.5	99.5	102	1	40.0-151			2.38	21
1,2,3-Trichlorobenzene	25.0	ND	22.3	23.3	89.4	93.1	1	45.0-145			4.11	22
1,2,4-Trichlorobenzene	25.0	ND	23.7	24.6	94.9	98.4	1	49.0-147			3.61	21
1,1,1-Trichloroethane	25.0	32.6	59.5	58.4	108	103	1	46.0-140			1.95	20
1,1,2-Trichloroethane	25.0	ND	23.1	24.0	92.5	95.9	1	54.0-139			3.55	20
Trichloroethene	25.0	129	156	153	107	94.9	1	32.0-156			1.92	20
Trichlorofluoromethane	25.0	ND	27.1	27.9	108	111	1	32.0-152			2.72	20
1,2,4-Trimethylbenzene	25.0	ND	24.7	25.3	98.9	101	1	41.0-146			2.28	20
1,3,5-Trimethylbenzene	25.0	ND	23.8	24.7	95.4	98.6	1	44.0-143			3.34	20
Vinyl chloride	25.0	ND	25.4	25.6	102	102	1	24.0-153			0.600	20
o-Xylene	25.0	ND	21.5	22.1	85.9	88.4	1	44.0-146			2.94	20
m&p-Xylenes	50.0	ND	43.0	44.0	86.1	88.1	1	41.0-147			2.28	20
(S) Toluene-d8					*100*	*99.6*		*80.0-120*				

L900611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L900611-02 04/10/17 11:35 • (MS) R3209565-4 04/10/17 11:52 • (MSD) R3209565-5 04/10/17 12:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Dibromofluoromethane					*101*	*101*		*76.0-123*				
(S) α,α,α-Trifluorotoluene					*102*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*101*	*101*		*80.0-120*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J0	J0 - Analyte exceeds %D or %Rec for Continuing Calibration per 8260C or 8270D method specific criteria. The identification of the analyte is acceptable; the reported value is an estimate.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

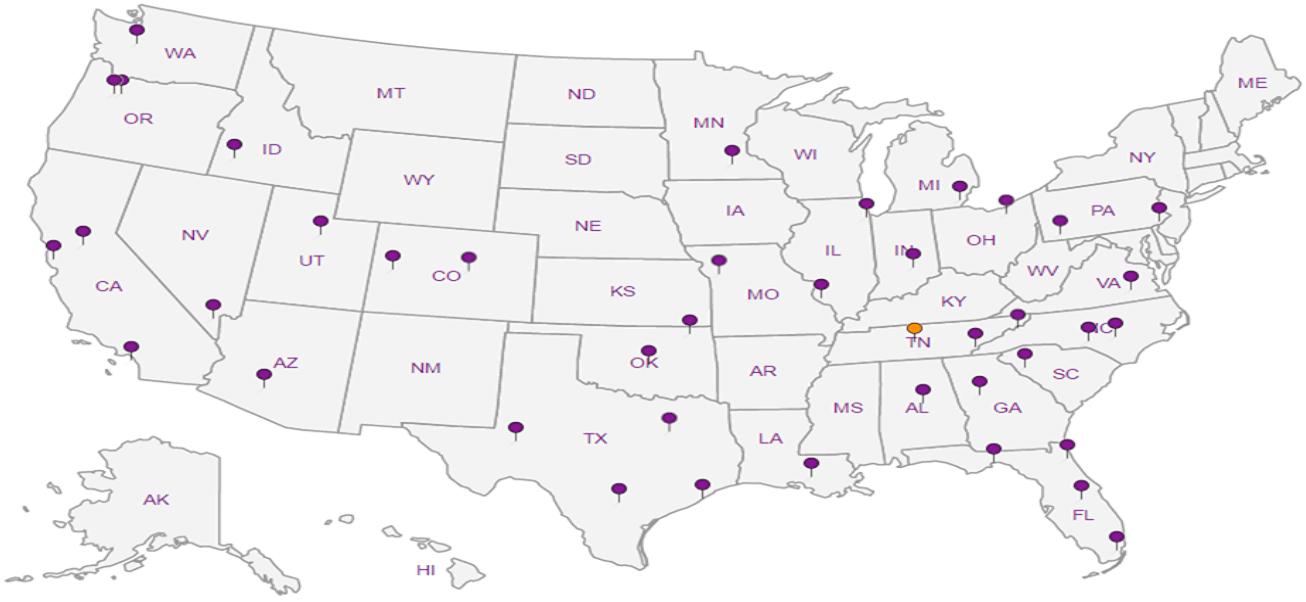
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



LaBella Associates, P.C.

300 State Street, Suite 201
Rochester, NY 14614

Billing Information:
Attn: Accounts Payable
300 State St., Ste. 201
Rochester, NY 14614

Report to: srife; dengert

Email To: srife; dengert

Project Description: Michelsen PDB April 2017

City/State Collected: Rochester, NY

Phone: 585-454-6110
Fax:

Client Project # 2161282

Lab Project #

Collected by (print): S. Rife

Site/Facility ID # 2161282

P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

HCl VOA

TCL + CP-51 VOCs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
DUPE	G	GW	-	4/4/2017	-	1 W 2	ONLY 1 VOA	01
IW-2/MS/MSD	G		-		1100	6		02
IW-3	G		-		1110	2		03
BW-2	G		-		1120	2		04
BW-3	G		-		1130	2		05
BW-4	G		-		1140	2		06
IW-5	G		-		1150	2		07
IW-4	G		-		1210	2		08
GPMW-26	G		-		1230	1	ONLY 1 VOA	09
GPMW-34	G	↓	-	↓	1250	2		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: * NYS EQUIS EDD, ASP CAT B *

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS X FedEx __ Courier __ _____

Tracking # 7174 9011 4178

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: X __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Stuart Rife	4/4/2017	1400	FedEx	X	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C Bottles Received: 22	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-5-17 Time: 0900	Hold: Condition: NCF / OK

Chain of Custody Page 1 of 1

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Acctnum: LABRNY
Template:
Prelogin:
TSR: 364 - T. Alan Harvill
PB:
Shipped Via:

ANALYTICAL REPORT

August 28, 2017

LaBella Associates, P.C.

Sample Delivery Group:	L930865
Samples Received:	08/19/2017
Project Number:	2161282
Description:	Michelsen PDB August 2017
Site:	2161282
Report To:	Mr. Steven Rife / Mr. Dave Engert 300 State Street, Suite 201 Rochester, NY 14614

Entire Report Reviewed By:

T. Alan Harvill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

DUPE L930865-01 GW

Collected by: S. Rife | Collected date/time: 08/18/17 00:00 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/21/17 23:01	08/21/17 23:01	JAH

GPMW-34 L930865-02 GW

Collected by: S. Rife | Collected date/time: 08/18/17 12:35 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/21/17 23:21	08/21/17 23:21	JAH

GPMW-26 L930865-03 GW

Collected by: S. Rife | Collected date/time: 08/18/17 12:45 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/21/17 23:41	08/21/17 23:41	JAH

IW-5 L930865-04 GW

Collected by: S. Rife | Collected date/time: 08/18/17 12:55 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 00:00	08/22/17 00:00	JAH

IW-4 L930865-05 GW

Collected by: S. Rife | Collected date/time: 08/18/17 13:10 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 00:20	08/22/17 00:20	JAH

IW-2 L930865-06 GW

Collected by: S. Rife | Collected date/time: 08/18/17 13:20 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 00:40	08/22/17 00:40	JAH

IW-3 L930865-07 GW

Collected by: S. Rife | Collected date/time: 08/18/17 13:30 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 01:00	08/22/17 01:00	JAH

BW-2 L930865-08 GW

Collected by: S. Rife | Collected date/time: 08/18/17 13:45 | Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 01:19	08/22/17 01:19	JAH

BW-3 L930865-09 GW

Collected by: S. Rife
Collected date/time: 08/18/17 14:00
Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 01:39	08/22/17 01:39	JAH

BW-4 L930865-10 GW

Collected by: S. Rife
Collected date/time: 08/18/17 14:15
Received date/time: 08/19/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	1	08/22/17 01:59	08/22/17 01:59	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1012142	5	08/24/17 03:27	08/24/17 03:27	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

T. Alan Harvill
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/21/2017 23:01	WG1012142
Benzene	ND		1.00	1	08/21/2017 23:01	WG1012142
Bromochloromethane	ND		1.00	1	08/21/2017 23:01	WG1012142
Bromodichloromethane	ND		1.00	1	08/21/2017 23:01	WG1012142
Bromoform	ND		1.00	1	08/21/2017 23:01	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/21/2017 23:01	WG1012142
Carbon disulfide	ND		1.00	1	08/21/2017 23:01	WG1012142
Carbon tetrachloride	ND		1.00	1	08/21/2017 23:01	WG1012142
Chlorobenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
Chlorodibromomethane	ND		1.00	1	08/21/2017 23:01	WG1012142
Chloroethane	ND		5.00	1	08/21/2017 23:01	WG1012142
Chloroform	ND		5.00	1	08/21/2017 23:01	WG1012142
Chloromethane	ND	J0	2.50	1	08/21/2017 23:01	WG1012142
Cyclohexane	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/21/2017 23:01	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/21/2017 23:01	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/21/2017 23:01	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/21/2017 23:01	WG1012142
cis-1,2-Dichloroethene	ND		1.00	1	08/21/2017 23:01	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/21/2017 23:01	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/21/2017 23:01	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/21/2017 23:01	WG1012142
Ethylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
2-Hexanone	ND		10.0	1	08/21/2017 23:01	WG1012142
Isopropylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/21/2017 23:01	WG1012142
Methyl Acetate	ND		20.0	1	08/21/2017 23:01	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/21/2017 23:01	WG1012142
Methylene Chloride	ND		5.00	1	08/21/2017 23:01	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/21/2017 23:01	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/21/2017 23:01	WG1012142
Naphthalene	ND		5.00	1	08/21/2017 23:01	WG1012142
Styrene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/21/2017 23:01	WG1012142
Tetrachloroethene	6.08		1.00	1	08/21/2017 23:01	WG1012142
Toluene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/21/2017 23:01	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/21/2017 23:01	WG1012142
Trichloroethene	13.3		1.00	1	08/21/2017 23:01	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/21/2017 23:01	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/21/2017 23:01	WG1012142
Vinyl chloride	ND		1.00	1	08/21/2017 23:01	WG1012142
o-Xylene	ND		1.00	1	08/21/2017 23:01	WG1012142
m&p-Xylenes	ND		2.00	1	08/21/2017 23:01	WG1012142
n-Butylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
sec-Butylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
tert-Butylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
n-Propylbenzene	ND		1.00	1	08/21/2017 23:01	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/21/2017 23:01	WG1012142
(S) Toluene-d8	*104*		*80.0-120*		*08/21/2017 23:01*	WG1012142
(S) Dibromofluoromethane	*108*		*76.0-123*		*08/21/2017 23:01*	WG1012142
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*08/21/2017 23:01*	WG1012142
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*08/21/2017 23:01*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/21/2017 23:21	WG1012142
Benzene	ND		1.00	1	08/21/2017 23:21	WG1012142
Bromochloromethane	ND		1.00	1	08/21/2017 23:21	WG1012142
Bromodichloromethane	ND		1.00	1	08/21/2017 23:21	WG1012142
Bromoform	ND		1.00	1	08/21/2017 23:21	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/21/2017 23:21	WG1012142
Carbon disulfide	ND		1.00	1	08/21/2017 23:21	WG1012142
Carbon tetrachloride	ND		1.00	1	08/21/2017 23:21	WG1012142
Chlorobenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
Chlorodibromomethane	ND		1.00	1	08/21/2017 23:21	WG1012142
Chloroethane	ND	J0	5.00	1	08/21/2017 23:21	WG1012142
Chloroform	ND		5.00	1	08/21/2017 23:21	WG1012142
Chloromethane	ND		2.50	1	08/21/2017 23:21	WG1012142
Cyclohexane	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/21/2017 23:21	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/21/2017 23:21	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/21/2017 23:21	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/21/2017 23:21	WG1012142
cis-1,2-Dichloroethene	ND		1.00	1	08/21/2017 23:21	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/21/2017 23:21	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/21/2017 23:21	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/21/2017 23:21	WG1012142
Ethylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
2-Hexanone	ND		10.0	1	08/21/2017 23:21	WG1012142
Isopropylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/21/2017 23:21	WG1012142
Methyl Acetate	ND		20.0	1	08/21/2017 23:21	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/21/2017 23:21	WG1012142
Methylene Chloride	ND		5.00	1	08/21/2017 23:21	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/21/2017 23:21	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/21/2017 23:21	WG1012142
Naphthalene	ND		5.00	1	08/21/2017 23:21	WG1012142
Styrene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/21/2017 23:21	WG1012142
Tetrachloroethene	ND		1.00	1	08/21/2017 23:21	WG1012142
Toluene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/21/2017 23:21	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/21/2017 23:21	WG1012142
Trichloroethene	14.8		1.00	1	08/21/2017 23:21	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/21/2017 23:21	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/21/2017 23:21	WG1012142
Vinyl chloride	ND		1.00	1	08/21/2017 23:21	WG1012142
o-Xylene	ND		1.00	1	08/21/2017 23:21	WG1012142
m&p-Xylenes	ND		2.00	1	08/21/2017 23:21	WG1012142
n-Butylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
sec-Butylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
tert-Butylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
n-Propylbenzene	ND		1.00	1	08/21/2017 23:21	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/21/2017 23:21	WG1012142
(S) Toluene-d8	*104*		*80.0-120*		*08/21/2017 23:21*	WG1012142
(S) Dibromofluoromethane	*106*		*76.0-123*		*08/21/2017 23:21*	WG1012142
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*08/21/2017 23:21*	WG1012142
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*08/21/2017 23:21*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/21/2017 23:41	WG1012142
Benzene	ND		1.00	1	08/21/2017 23:41	WG1012142
Bromochloromethane	ND		1.00	1	08/21/2017 23:41	WG1012142
Bromodichloromethane	ND		1.00	1	08/21/2017 23:41	WG1012142
Bromoform	ND		1.00	1	08/21/2017 23:41	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/21/2017 23:41	WG1012142
Carbon disulfide	ND		1.00	1	08/21/2017 23:41	WG1012142
Carbon tetrachloride	ND		1.00	1	08/21/2017 23:41	WG1012142
Chlorobenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
Chlorodibromomethane	ND		1.00	1	08/21/2017 23:41	WG1012142
Chloroethane	ND		5.00	1	08/21/2017 23:41	WG1012142
Chloroform	ND		5.00	1	08/21/2017 23:41	WG1012142
Chloromethane	ND	J0	2.50	1	08/21/2017 23:41	WG1012142
Cyclohexane	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/21/2017 23:41	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/21/2017 23:41	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/21/2017 23:41	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/21/2017 23:41	WG1012142
cis-1,2-Dichloroethene	ND		1.00	1	08/21/2017 23:41	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/21/2017 23:41	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/21/2017 23:41	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/21/2017 23:41	WG1012142
Ethylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
2-Hexanone	ND		10.0	1	08/21/2017 23:41	WG1012142
Isopropylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/21/2017 23:41	WG1012142
Methyl Acetate	ND		20.0	1	08/21/2017 23:41	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/21/2017 23:41	WG1012142
Methylene Chloride	ND		5.00	1	08/21/2017 23:41	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/21/2017 23:41	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/21/2017 23:41	WG1012142
Naphthalene	ND		5.00	1	08/21/2017 23:41	WG1012142
Styrene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/21/2017 23:41	WG1012142
Tetrachloroethene	ND		1.00	1	08/21/2017 23:41	WG1012142
Toluene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/21/2017 23:41	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/21/2017 23:41	WG1012142
Trichloroethene	3.31		1.00	1	08/21/2017 23:41	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/21/2017 23:41	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/21/2017 23:41	WG1012142
Vinyl chloride	ND		1.00	1	08/21/2017 23:41	WG1012142
o-Xylene	ND		1.00	1	08/21/2017 23:41	WG1012142
m&p-Xylenes	ND		2.00	1	08/21/2017 23:41	WG1012142
n-Butylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
sec-Butylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
tert-Butylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
n-Propylbenzene	ND		1.00	1	08/21/2017 23:41	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/21/2017 23:41	WG1012142
(S) Toluene-d8	*104*		*80.0-120*		*08/21/2017 23:41*	WG1012142
(S) Dibromofluoromethane	*108*		*76.0-123*		*08/21/2017 23:41*	WG1012142
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*08/21/2017 23:41*	WG1012142
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*08/21/2017 23:41*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 00:00	WG1012142
Benzene	ND		1.00	1	08/22/2017 00:00	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 00:00	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 00:00	WG1012142
Bromoform	ND		1.00	1	08/22/2017 00:00	WG1012142
Bromomethane	ND	J0	5.00	1	08/22/2017 00:00	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 00:00	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 00:00	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 00:00	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 00:00	WG1012142
Chloroform	ND		5.00	1	08/22/2017 00:00	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 00:00	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 00:00	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 00:00	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 00:00	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 00:00	WG1012142
cis-1,2-Dichloroethene	ND		1.00	1	08/22/2017 00:00	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 00:00	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 00:00	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 00:00	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 00:00	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 00:00	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 00:00	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 00:00	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 00:00	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 00:00	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 00:00	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 00:00	WG1012142
Styrene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 00:00	WG1012142
Tetrachloroethene	ND		1.00	1	08/22/2017 00:00	WG1012142
Toluene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/22/2017 00:00	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 00:00	WG1012142
Trichloroethene	ND		1.00	1	08/22/2017 00:00	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 00:00	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 00:00	WG1012142
Vinyl chloride	ND		1.00	1	08/22/2017 00:00	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 00:00	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 00:00	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 00:00	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 00:00	WG1012142
(S) Toluene-d8	*103*		*80.0-120*		*08/22/2017 00:00*	WG1012142
(S) Dibromofluoromethane	*108*		*76.0-123*		*08/22/2017 00:00*	WG1012142
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*08/22/2017 00:00*	WG1012142
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*08/22/2017 00:00*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 00:20	WG1012142
Benzene	ND		1.00	1	08/22/2017 00:20	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 00:20	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 00:20	WG1012142
Bromoform	ND		1.00	1	08/22/2017 00:20	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/22/2017 00:20	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 00:20	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 00:20	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 00:20	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 00:20	WG1012142
Chloroform	ND		5.00	1	08/22/2017 00:20	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 00:20	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 00:20	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 00:20	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 00:20	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 00:20	WG1012142
cis-1,2-Dichloroethene	ND		1.00	1	08/22/2017 00:20	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 00:20	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 00:20	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 00:20	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 00:20	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 00:20	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 00:20	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 00:20	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 00:20	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 00:20	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 00:20	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 00:20	WG1012142
Styrene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 00:20	WG1012142
Tetrachloroethene	5.93		1.00	1	08/22/2017 00:20	WG1012142
Toluene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/22/2017 00:20	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 00:20	WG1012142
Trichloroethene	13.7		1.00	1	08/22/2017 00:20	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 00:20	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 00:20	WG1012142
Vinyl chloride	ND		1.00	1	08/22/2017 00:20	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 00:20	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 00:20	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 00:20	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 00:20	WG1012142
(S) Toluene-d8	*101*		*80.0-120*		*08/22/2017 00:20*	WG1012142
(S) Dibromofluoromethane	*110*		*76.0-123*		*08/22/2017 00:20*	WG1012142
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*08/22/2017 00:20*	WG1012142
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*08/22/2017 00:20*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 00:40	WG1012142
Benzene	ND		1.00	1	08/22/2017 00:40	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 00:40	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 00:40	WG1012142
Bromoform	ND		1.00	1	08/22/2017 00:40	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/22/2017 00:40	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 00:40	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 00:40	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 00:40	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 00:40	WG1012142
Chloroform	ND		5.00	1	08/22/2017 00:40	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 00:40	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 00:40	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 00:40	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 00:40	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 00:40	WG1012142
cis-1,2-Dichloroethene	13.5		1.00	1	08/22/2017 00:40	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 00:40	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 00:40	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 00:40	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 00:40	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 00:40	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 00:40	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 00:40	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 00:40	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 00:40	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 00:40	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 00:40	WG1012142
Styrene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 00:40	WG1012142
Tetrachloroethene	ND		1.00	1	08/22/2017 00:40	WG1012142
Toluene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,1,1-Trichloroethane	13.0		1.00	1	08/22/2017 00:40	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 00:40	WG1012142
Trichloroethene	33.4		1.00	1	08/22/2017 00:40	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 00:40	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 00:40	WG1012142
Vinyl chloride	ND		1.00	1	08/22/2017 00:40	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 00:40	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 00:40	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 00:40	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 00:40	WG1012142
(S) Toluene-d8	*104*		*80.0-120*		*08/22/2017 00:40*	WG1012142
(S) Dibromofluoromethane	*107*		*76.0-123*		*08/22/2017 00:40*	WG1012142
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*08/22/2017 00:40*	WG1012142
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*08/22/2017 00:40*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 01:00	WG1012142
Benzene	ND		1.00	1	08/22/2017 01:00	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 01:00	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 01:00	WG1012142
Bromoform	ND		1.00	1	08/22/2017 01:00	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/22/2017 01:00	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 01:00	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 01:00	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 01:00	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 01:00	WG1012142
Chloroform	ND		5.00	1	08/22/2017 01:00	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 01:00	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 01:00	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 01:00	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 01:00	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 01:00	WG1012142
cis-1,2-Dichloroethene	31.9		1.00	1	08/22/2017 01:00	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 01:00	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:00	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:00	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 01:00	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 01:00	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 01:00	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 01:00	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 01:00	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 01:00	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 01:00	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 01:00	WG1012142
Styrene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 01:00	WG1012142
Tetrachloroethene	1.51		1.00	1	08/22/2017 01:00	WG1012142
Toluene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,1,1-Trichloroethane	5.35		1.00	1	08/22/2017 01:00	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 01:00	WG1012142
Trichloroethene	109		1.00	1	08/22/2017 01:00	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 01:00	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 01:00	WG1012142
Vinyl chloride	ND		1.00	1	08/22/2017 01:00	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 01:00	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 01:00	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 01:00	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 01:00	WG1012142
(S) Toluene-d8	*102*		*80.0-120*		*08/22/2017 01:00*	WG1012142
(S) Dibromofluoromethane	*107*		*76.0-123*		*08/22/2017 01:00*	WG1012142
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*08/22/2017 01:00*	WG1012142
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*08/22/2017 01:00*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 01:19	WG1012142
Benzene	ND		1.00	1	08/22/2017 01:19	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 01:19	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 01:19	WG1012142
Bromoform	ND		1.00	1	08/22/2017 01:19	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/22/2017 01:19	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 01:19	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 01:19	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 01:19	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 01:19	WG1012142
Chloroform	ND		5.00	1	08/22/2017 01:19	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 01:19	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 01:19	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 01:19	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 01:19	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 01:19	WG1012142
cis-1,2-Dichloroethene	ND		1.00	1	08/22/2017 01:19	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 01:19	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:19	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:19	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 01:19	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 01:19	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 01:19	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 01:19	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 01:19	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 01:19	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 01:19	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 01:19	WG1012142
Styrene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 01:19	WG1012142
Tetrachloroethene	ND		1.00	1	08/22/2017 01:19	WG1012142
Toluene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/22/2017 01:19	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 01:19	WG1012142
Trichloroethene	ND		1.00	1	08/22/2017 01:19	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 01:19	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 01:19	WG1012142
Vinyl chloride	ND		1.00	1	08/22/2017 01:19	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 01:19	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 01:19	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 01:19	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 01:19	WG1012142
(S) Toluene-d8	*102*		*80.0-120*		*08/22/2017 01:19*	WG1012142
(S) Dibromofluoromethane	*108*		*76.0-123*		*08/22/2017 01:19*	WG1012142
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*08/22/2017 01:19*	WG1012142
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*08/22/2017 01:19*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 01:39	WG1012142
Benzene	ND		1.00	1	08/22/2017 01:39	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 01:39	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 01:39	WG1012142
Bromoform	ND		1.00	1	08/22/2017 01:39	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/22/2017 01:39	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 01:39	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 01:39	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 01:39	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 01:39	WG1012142
Chloroform	ND		5.00	1	08/22/2017 01:39	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 01:39	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 01:39	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 01:39	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 01:39	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 01:39	WG1012142
cis-1,2-Dichloroethene	39.9		1.00	1	08/22/2017 01:39	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 01:39	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:39	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:39	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 01:39	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 01:39	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 01:39	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 01:39	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 01:39	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 01:39	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 01:39	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 01:39	WG1012142
Styrene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 01:39	WG1012142
Tetrachloroethene	ND		1.00	1	08/22/2017 01:39	WG1012142
Toluene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/22/2017 01:39	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 01:39	WG1012142
Trichloroethene	50.3		1.00	1	08/22/2017 01:39	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 01:39	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 01:39	WG1012142
Vinyl chloride	ND		1.00	1	08/22/2017 01:39	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 01:39	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 01:39	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 01:39	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 01:39	WG1012142
(S) Toluene-d8	*102*		*80.0-120*		*08/22/2017 01:39*	WG1012142
(S) Dibromofluoromethane	*109*		*76.0-123*		*08/22/2017 01:39*	WG1012142
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*08/22/2017 01:39*	WG1012142
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*08/22/2017 01:39*	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/22/2017 01:59	WG1012142
Benzene	ND		1.00	1	08/22/2017 01:59	WG1012142
Bromochloromethane	ND		1.00	1	08/22/2017 01:59	WG1012142
Bromodichloromethane	ND		1.00	1	08/22/2017 01:59	WG1012142
Bromoform	ND		1.00	1	08/22/2017 01:59	WG1012142
Bromomethane	ND	J0 J3	5.00	1	08/22/2017 01:59	WG1012142
Carbon disulfide	ND		1.00	1	08/22/2017 01:59	WG1012142
Carbon tetrachloride	ND		1.00	1	08/22/2017 01:59	WG1012142
Chlorobenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
Chlorodibromomethane	ND		1.00	1	08/22/2017 01:59	WG1012142
Chloroethane	ND		5.00	1	08/22/2017 01:59	WG1012142
Chloroform	ND		5.00	1	08/22/2017 01:59	WG1012142
Chloromethane	ND	J0	2.50	1	08/22/2017 01:59	WG1012142
Cyclohexane	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/22/2017 01:59	WG1012142
1,2-Dibromoethane	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2-Dichlorobenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,3-Dichlorobenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,4-Dichlorobenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
Dichlorodifluoromethane	ND		5.00	1	08/22/2017 01:59	WG1012142
1,1-Dichloroethane	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2-Dichloroethane	ND		1.00	1	08/22/2017 01:59	WG1012142
1,1-Dichloroethene	ND		1.00	1	08/22/2017 01:59	WG1012142
cis-1,2-Dichloroethene	301		5.00	5	08/24/2017 03:27	WG1012142
trans-1,2-Dichloroethene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2-Dichloropropane	ND		1.00	1	08/22/2017 01:59	WG1012142
cis-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:59	WG1012142
trans-1,3-Dichloropropene	ND		1.00	1	08/22/2017 01:59	WG1012142
Ethylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
2-Hexanone	ND		10.0	1	08/22/2017 01:59	WG1012142
Isopropylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
2-Butanone (MEK)	ND		10.0	1	08/22/2017 01:59	WG1012142
Methyl Acetate	ND		20.0	1	08/22/2017 01:59	WG1012142
Methyl Cyclohexane	ND		1.00	1	08/22/2017 01:59	WG1012142
Methylene Chloride	ND		5.00	1	08/22/2017 01:59	WG1012142
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/22/2017 01:59	WG1012142
Methyl tert-butyl ether	ND		1.00	1	08/22/2017 01:59	WG1012142
Naphthalene	ND		5.00	1	08/22/2017 01:59	WG1012142
Styrene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/22/2017 01:59	WG1012142
Tetrachloroethene	ND		1.00	1	08/22/2017 01:59	WG1012142
Toluene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2,3-Trichlorobenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2,4-Trichlorobenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,1,1-Trichloroethane	ND		1.00	1	08/22/2017 01:59	WG1012142
1,1,2-Trichloroethane	ND		1.00	1	08/22/2017 01:59	WG1012142
Trichloroethene	20.2		1.00	1	08/22/2017 01:59	WG1012142
Trichlorofluoromethane	ND		5.00	1	08/22/2017 01:59	WG1012142
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/22/2017 01:59	WG1012142
Vinyl chloride	2.72		1.00	1	08/22/2017 01:59	WG1012142
o-Xylene	ND		1.00	1	08/22/2017 01:59	WG1012142
m&p-Xylenes	ND		2.00	1	08/22/2017 01:59	WG1012142
n-Butylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
sec-Butylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
tert-Butylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
1,2,4-Trimethylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
n-Propylbenzene	ND		1.00	1	08/22/2017 01:59	WG1012142
p-Isopropyltoluene	ND		1.00	1	08/22/2017 01:59	WG1012142
(S) Toluene-d8	*104*		*80.0-120*		*08/22/2017 01:59*	WG1012142
(S) Toluene-d8	*106*		*80.0-120*		*08/24/2017 03:27*	WG1012142
(S) Dibromofluoromethane	*104*		*76.0-123*		*08/24/2017 03:27*	WG1012142
(S) Dibromofluoromethane	*106*		*76.0-123*		*08/22/2017 01:59*	WG1012142
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*08/24/2017 03:27*	WG1012142
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*08/22/2017 01:59*	WG1012142
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*08/22/2017 01:59*	WG1012142
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*08/24/2017 03:27*	WG1012142

Method Blank (MB)

(MB) R3243882-3 08/21/17 17:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

Method Blank (MB)

(MB) R3243882-3 08/21/17 17:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*108*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3243882-1 08/21/17 16:31 • (LCSD) R3243882-2 08/21/17 16:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	101	101	80.8	81.1	10.0-160			0.360	23
Benzene	25.0	26.7	25.7	107	103	69.0-123			3.74	20
Bromodichloromethane	25.0	24.6	23.6	98.4	94.4	76.0-120			4.17	20
Bromochloromethane	25.0	25.7	23.5	103	94.1	76.0-122			9.01	20
Bromoform	25.0	24.9	23.6	99.5	94.4	67.0-132			5.28	20
Bromomethane	25.0	12.2	15.1	48.8	60.4	18.0-160		J3	21.2	20
n-Butylbenzene	25.0	22.9	22.3	91.4	89.2	72.0-126			2.46	20
sec-Butylbenzene	25.0	22.3	21.4	89.1	85.7	74.0-121			3.87	20
tert-Butylbenzene	25.0	22.4	21.5	89.6	86.1	75.0-122			3.94	20
Carbon disulfide	25.0	25.7	24.2	103	97.0	55.0-127			5.78	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3243882-1 08/21/17 16:31 • (LCSD) R3243882-2 08/21/17 16:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	25.0	28.9	27.2	116	109	63.0-122			6.10	20
Chlorobenzene	25.0	24.3	22.9	97.1	91.6	79.0-121			5.80	20
Chlorodibromomethane	25.0	25.0	23.5	100	94.0	75.0-125			6.38	20
Chloroethane	25.0	28.2	26.8	113	107	47.0-152			5.02	20
Chloroform	25.0	25.6	24.5	103	98.2	72.0-121			4.30	20
Chloromethane	25.0	15.7	14.7	62.8	59.0	48.0-139			6.21	20
Cyclohexane	25.0	26.2	24.6	105	98.6	70.0-130			6.05	20
1,2-Dibromo-3-Chloropropane	25.0	24.9	23.9	99.6	95.6	64.0-127			4.18	20
1,2-Dibromoethane	25.0	24.8	23.9	99.1	95.6	77.0-123			3.57	20
1,2-Dichlorobenzene	25.0	23.7	22.9	94.8	91.6	80.0-120			3.45	20
1,3-Dichlorobenzene	25.0	22.6	22.3	90.4	89.2	72.0-123			1.43	20
1,4-Dichlorobenzene	25.0	22.1	21.3	88.4	85.3	77.0-120			3.64	20
Dichlorodifluoromethane	25.0	25.7	25.3	103	101	49.0-155			1.79	20
1,1-Dichloroethane	25.0	26.7	25.8	107	103	70.0-126			3.52	20
1,2-Dichloroethane	25.0	28.1	26.8	112	107	67.0-126			4.57	20
1,1-Dichloroethene	25.0	25.1	24.0	100	96.1	64.0-129			4.37	20
cis-1,2-Dichloroethene	25.0	25.3	25.3	101	101	73.0-120			0.100	20
trans-1,2-Dichloroethene	25.0	26.4	24.8	106	99.2	71.0-121			6.25	20
1,2-Dichloropropane	25.0	26.3	24.9	105	99.4	75.0-125			5.64	20
cis-1,3-Dichloropropene	25.0	27.9	25.7	111	103	79.0-123			7.95	20
trans-1,3-Dichloropropene	25.0	26.9	24.8	108	99.2	74.0-127			8.21	20
Ethylbenzene	25.0	23.5	22.4	93.9	89.7	77.0-120			4.64	20
2-Hexanone	125	131	125	105	100	58.0-147			4.10	20
Isopropylbenzene	25.0	23.0	22.1	91.8	88.4	75.0-120			3.74	20
p-Isopropyltoluene	25.0	22.6	22.2	90.5	88.6	74.0-126			2.10	20
2-Butanone (MEK)	125	133	129	106	103	37.0-158			2.93	20
Methyl Acetate	125	153	145	123	116	70.0-130			5.64	20
Methyl Cyclohexane	25.0	24.3	23.2	97.3	92.7	70.0-130			4.89	20
Methylene Chloride	25.0	24.5	23.0	98.1	91.8	66.0-121			6.55	20
4-Methyl-2-pentanone (MIBK)	125	127	120	102	96.4	59.0-143			5.34	20
Methyl tert-butyl ether	25.0	26.2	24.7	105	98.8	64.0-123			5.68	20
Naphthalene	25.0	22.2	22.3	88.7	89.1	62.0-128			0.420	20
n-Propylbenzene	25.0	23.6	22.8	94.3	91.2	79.0-120			3.32	20
Styrene	25.0	25.9	24.9	104	99.4	78.0-124			4.09	20
1,1,2,2-Tetrachloroethane	25.0	24.1	22.8	96.2	91.0	71.0-122			5.54	20
Tetrachloroethene	25.0	24.4	22.9	97.5	91.7	70.0-127			6.11	20
Toluene	25.0	23.4	22.1	93.5	88.6	77.0-120			5.45	20
1,1,2-Trichlorotrifluoroethane	25.0	27.4	25.8	110	103	61.0-136			5.89	20
1,2,3-Trichlorobenzene	25.0	21.4	21.4	85.7	85.6	61.0-133			0.190	20
1,2,4-Trichlorobenzene	25.0	22.5	22.9	90.1	91.6	69.0-129			1.58	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3243882-1 08/21/17 16:31 • (LCSD) R3243882-2 08/21/17 16:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	25.0	25.7	24.5	103	97.8	68.0-122			4.98	20
1,1,2-Trichloroethane	25.0	23.7	22.6	94.9	90.6	78.0-120			4.63	20
Trichloroethene	25.0	26.0	25.0	104	99.8	78.0-120			4.22	20
Trichlorofluoromethane	25.0	29.3	27.6	117	111	56.0-137			5.81	20
1,2,4-Trimethylbenzene	25.0	22.7	22.0	90.8	87.9	75.0-120			3.32	20
1,3,5-Trimethylbenzene	25.0	22.6	22.0	90.4	88.0	75.0-120			2.68	20
Vinyl chloride	25.0	26.4	25.5	106	102	64.0-133			3.80	20
o-Xylene	25.0	23.6	22.5	94.2	90.2	78.0-120			4.39	20
m&p-Xylenes	50.0	47.2	45.0	94.3	90.1	77.0-120			4.63	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*107*	*106*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*104*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*103*	*80.0-120*				

L930865-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L930865-04 08/22/17 00:00 • (MS) R3243882-4 08/22/17 02:19 • (MSD) R3243882-5 08/22/17 02:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	91.3	92.7	73.1	74.2	1	10.0-139			1.47	25
Benzene	25.0	ND	29.2	28.3	117	113	1	34.0-147			3.28	20
Bromodichloromethane	25.0	ND	25.9	24.5	104	98.1	1	52.0-135			5.45	20
Bromochloromethane	25.0	ND	27.3	25.9	109	104	1	53.0-138			5.27	20
Bromoform	25.0	ND	24.4	23.9	97.8	95.7	1	50.0-146			2.11	20
Bromomethane	25.0	ND	25.8	21.6	103	86.4	1	10.0-160			17.5	23
n-Butylbenzene	25.0	ND	26.2	25.6	105	102	1	50.0-144			2.16	20
sec-Butylbenzene	25.0	ND	25.1	24.6	100	98.5	1	48.0-143			1.73	20
tert-Butylbenzene	25.0	ND	24.4	24.0	97.6	96.0	1	50.0-142			1.70	20
Carbon disulfide	25.0	ND	27.6	26.7	110	107	1	10.0-147			3.47	20
Carbon tetrachloride	25.0	ND	32.4	30.9	130	123	1	41.0-138			5.04	20
Chlorobenzene	25.0	ND	25.0	24.7	100	98.7	1	52.0-141			1.54	20
Chlorodibromomethane	25.0	ND	24.6	24.4	98.3	97.4	1	54.0-142			0.890	20
Chloroethane	25.0	ND	32.2	31.6	129	126	1	23.0-160			1.89	20
Chloroform	25.0	ND	27.7	26.7	111	107	1	50.0-139			3.70	20
Chloromethane	25.0	ND	19.5	20.0	78.0	80.0	1	14.0-151			2.50	20
Cyclohexane	25.0	ND	29.8	29.1	119	116	1	70.0-130			2.61	20
1,2-Dibromo-3-Chloropropane	25.0	ND	24.1	24.1	96.4	96.5	1	49.0-144			0.110	24
1,2-Dibromoethane	25.0	ND	24.6	24.4	98.6	97.6	1	54.0-140			1.05	20
1,2-Dichlorobenzene	25.0	ND	24.4	24.4	97.6	97.7	1	56.0-139			0.120	20

L930865-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L930865-04 08/22/17 00:00 • (MS) R3243882-4 08/22/17 02:19 • (MSD) R3243882-5 08/22/17 02:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3-Dichlorobenzene	25.0	ND	24.6	24.3	98.3	97.1	1	50.0-141			1.19	20
1,4-Dichlorobenzene	25.0	ND	23.6	23.0	94.5	91.9	1	53.0-136			2.74	20
Dichlorodifluoromethane	25.0	ND	38.8	39.1	155	156	1	20.0-160			0.720	21
1,1-Dichloroethane	25.0	ND	28.7	27.8	115	111	1	47.0-143			3.15	20
1,2-Dichloroethane	25.0	ND	28.3	27.9	113	111	1	47.0-141			1.62	20
1,1-Dichloroethene	25.0	ND	28.8	27.4	115	110	1	31.0-148			4.98	20
cis-1,2-Dichloroethene	25.0	ND	28.8	25.8	115	103	1	43.0-142			10.7	20
trans-1,2-Dichloroethene	25.0	ND	28.4	27.3	114	109	1	36.0-141			4.00	20
1,2-Dichloropropane	25.0	ND	28.0	27.0	112	108	1	51.0-141			3.81	20
cis-1,3-Dichloropropene	25.0	ND	24.7	24.6	98.9	98.6	1	53.0-139			0.300	20
trans-1,3-Dichloropropene	25.0	ND	25.6	24.8	102	99.2	1	51.0-143			3.18	20
Ethylbenzene	25.0	ND	25.1	24.5	100	98.2	1	42.0-147			2.24	20
2-Hexanone	125	ND	121	122	96.8	97.2	1	36.0-145			0.460	23
Isopropylbenzene	25.0	ND	25.2	24.4	101	97.4	1	48.0-141			3.32	20
p-Isopropyltoluene	25.0	ND	24.4	24.3	97.5	97.2	1	49.0-146			0.350	20
2-Butanone (MEK)	125	ND	131	131	105	105	1	12.0-149			0.0600	24
Methyl Acetate	125	ND	142	139	114	112	1	70.0-130			1.89	20.8
Methyl Cyclohexane	25.0	ND	27.2	26.7	109	107	1	70.0-130			2.05	20.8
Methylene Chloride	25.0	ND	25.6	24.9	102	99.7	1	42.0-135			2.57	20
4-Methyl-2-pentanone (MIBK)	125	ND	127	126	101	101	1	44.0-160			0.810	22
Methyl tert-butyl ether	25.0	ND	27.7	26.5	111	106	1	42.0-142			4.32	20
Naphthalene	25.0	ND	23.1	23.4	92.4	93.6	1	42.0-146			1.32	24
n-Propylbenzene	25.0	ND	25.6	25.0	102	100	1	47.0-144			2.15	20
Styrene	25.0	ND	25.9	25.5	104	102	1	47.0-147			1.65	20
1,1,2,2-Tetrachloroethane	25.0	ND	25.2	24.6	101	98.2	1	46.0-149			2.72	20
Tetrachloroethene	25.0	ND	26.4	25.3	104	99.7	1	38.0-147			4.19	20
Toluene	25.0	ND	24.8	24.2	99.1	96.8	1	42.0-141			2.31	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	31.2	30.8	125	123	1	40.0-151			1.41	21
1,2,3-Trichlorobenzene	25.0	ND	22.8	22.5	91.3	90.1	1	45.0-145			1.27	22
1,2,4-Trichlorobenzene	25.0	ND	24.2	23.8	96.9	95.0	1	49.0-147			1.95	21
1,1,1-Trichloroethane	25.0	ND	29.1	27.8	116	111	1	46.0-140			4.64	20
1,1,2-Trichloroethane	25.0	ND	24.3	23.6	97.1	94.4	1	54.0-139			2.83	20
Trichloroethene	25.0	ND	27.6	26.6	108	104	1	32.0-156			3.78	20
Trichlorofluoromethane	25.0	ND	36.8	36.1	147	145	1	32.0-152			1.95	20
1,2,4-Trimethylbenzene	25.0	ND	24.4	24.0	97.6	95.9	1	41.0-146			1.77	20
1,3,5-Trimethylbenzene	25.0	ND	24.6	24.4	98.4	97.7	1	44.0-143			0.680	20
Vinyl chloride	25.0	ND	32.0	31.4	128	125	1	24.0-153			1.99	20
o-Xylene	25.0	ND	24.3	24.6	97.3	98.3	1	44.0-146			1.02	20
m&p-Xylenes	50.0	ND	50.3	49.1	101	98.2	1	41.0-147			2.29	20
(S) Toluene-d8					*100*	*100*		*80.0-120*				

L930865-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L930865-04 08/22/17 00:00 • (MS) R3243882-4 08/22/17 02:19 • (MSD) R3243882-5 08/22/17 02:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Dibromofluoromethane					*108*	*106*		*76.0-123*				
(S) a,a,a-Trifluorotoluene					*103*	*103*		*80.0-120*				
(S) 4-Bromofluorobenzene					*103*	*103*		*80.0-120*				

L930889-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L930889-04 08/24/17 03:46 • (MS) R3244242-1 08/24/17 04:06 • (MSD) R3244242-2 08/24/17 04:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	58.0	49.0	46.4	39.2	1	10.0-139			16.9	25
Benzene	25.0	ND	26.8	26.0	107	104	1	34.0-147			3.02	20
Bromodichloromethane	25.0	ND	26.5	26.1	106	104	1	52.0-135			1.62	20
Bromochloromethane	25.0	ND	25.5	24.8	102	99.3	1	53.0-138			2.56	20
Bromoform	25.0	ND	25.0	25.5	99.9	102	1	50.0-146			2.11	20
Bromomethane	25.0	ND	24.5	23.9	98.0	95.6	1	10.0-160			2.48	23
n-Butylbenzene	25.0	ND	27.6	26.1	110	104	1	50.0-144			5.49	20
sec-Butylbenzene	25.0	ND	27.1	26.1	108	104	1	48.0-143			3.61	20
tert-Butylbenzene	25.0	ND	26.3	26.3	105	105	1	50.0-142			0.0200	20
Carbon disulfide	25.0	ND	24.9	23.8	99.5	95.1	1	10.0-147			4.54	20
Carbon tetrachloride	25.0	ND	26.9	25.8	108	103	1	41.0-138			4.18	20
Chlorobenzene	25.0	ND	25.3	25.0	101	99.8	1	52.0-141			1.44	20
Chlorodibromomethane	25.0	ND	24.5	24.6	98.0	98.4	1	54.0-142			0.390	20
Chloroethane	25.0	ND	28.6	27.5	114	110	1	23.0-160			3.76	20
Chloroform	25.0	ND	27.6	26.5	110	106	1	50.0-139			4.19	20
Chloromethane	25.0	ND	27.2	26.0	109	104	1	14.0-151			4.59	20
Cyclohexane	25.0	ND	27.5	25.6	110	102	1	70.0-130			7.27	20
1,2-Dibromo-3-Chloropropane	25.0	ND	23.6	23.8	94.5	95.4	1	49.0-144			0.870	24
1,2-Dibromoethane	25.0	ND	24.1	24.3	96.4	97.1	1	54.0-140			0.700	20
1,2-Dichlorobenzene	25.0	ND	26.1	26.0	104	104	1	56.0-139			0.410	20
1,3-Dichlorobenzene	25.0	ND	26.0	25.8	104	103	1	50.0-141			0.850	20
1,4-Dichlorobenzene	25.0	ND	26.3	26.4	103	103	1	53.0-136			0.380	20
Dichlorodifluoromethane	25.0	ND	32.7	29.1	131	116	1	20.0-160			11.7	21
1,1-Dichloroethane	25.0	ND	28.3	27.5	113	110	1	47.0-143			2.81	20
1,2-Dichloroethane	25.0	ND	26.8	25.7	107	103	1	47.0-141			4.38	20
1,1-Dichloroethene	25.0	ND	28.3	26.5	113	106	1	31.0-148			6.62	20
cis-1,2-Dichloroethene	25.0	ND	26.8	25.9	107	104	1	43.0-142			3.43	20
trans-1,2-Dichloroethene	25.0	ND	26.9	25.6	108	102	1	36.0-141			5.16	20
1,2-Dichloropropane	25.0	ND	27.2	27.0	109	108	1	51.0-141			0.760	20
cis-1,3-Dichloropropene	25.0	ND	24.9	25.1	99.8	100	1	53.0-139			0.600	20

L930889-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L930889-04 08/24/17 03:46 • (MS) R3244242-1 08/24/17 04:06 • (MSD) R3244242-2 08/24/17 04:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	25.0	ND	24.3	24.9	97.3	99.6	1	51.0-143			2.35	20
Ethylbenzene	25.0	ND	25.1	24.6	100	98.4	1	42.0-147			2.07	20
2-Hexanone	125	ND	110	106	87.9	84.7	1	36.0-145			3.73	23
Isopropylbenzene	25.0	ND	27.1	27.2	109	109	1	48.0-141			0.0900	20
p-Isopropyltoluene	25.0	ND	26.2	25.5	105	102	1	49.0-146			2.95	20
2-Butanone (MEK)	125	ND	93.1	84.9	74.5	67.9	1	12.0-149			9.22	24
Methyl Acetate	125	ND	110	101	88.0	81.1	1	70.0-130			8.10	20.8
Methyl Cyclohexane	25.0	ND	25.2	22.9	101	91.8	1	70.0-130			9.29	20.8
Methylene Chloride	25.0	ND	25.4	24.7	102	99.0	1	42.0-135			2.66	20
4-Methyl-2-pentanone (MIBK)	125	ND	119	117	95.6	93.4	1	44.0-160			2.32	22
Methyl tert-butyl ether	25.0	ND	25.8	24.3	103	97.3	1	42.0-142			5.95	20
Naphthalene	25.0	ND	25.6	26.2	102	105	1	42.0-146			2.42	24
n-Propylbenzene	25.0	ND	26.7	26.7	107	107	1	47.0-144			0.0300	20
Styrene	25.0	ND	26.1	26.5	104	106	1	47.0-147			1.46	20
1,1,2,2-Tetrachloroethane	25.0	ND	24.9	25.7	99.7	103	1	46.0-149			3.15	20
Tetrachloroethene	25.0	ND	24.8	24.2	99.0	96.7	1	38.0-147			2.41	20
Toluene	25.0	ND	24.6	24.4	98.4	97.6	1	42.0-141			0.820	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	29.9	27.5	120	110	1	40.0-151			8.48	21
1,2,3-Trichlorobenzene	25.0	ND	25.8	25.2	103	101	1	45.0-145			2.44	22
1,2,4-Trichlorobenzene	25.0	ND	26.0	24.9	104	99.4	1	49.0-147			4.34	21
1,1,1-Trichloroethane	25.0	ND	28.3	27.3	113	109	1	46.0-140			3.49	20
1,1,2-Trichloroethane	25.0	ND	24.4	24.5	97.7	98.0	1	54.0-139			0.300	20
Trichloroethene	25.0	ND	26.5	26.1	106	104	1	32.0-156			1.58	20
Trichlorofluoromethane	25.0	ND	28.9	26.8	116	107	1	32.0-152			7.62	20
1,2,4-Trimethylbenzene	25.0	ND	25.8	25.8	103	103	1	41.0-146			0.230	20
1,3,5-Trimethylbenzene	25.0	ND	26.3	26.3	105	105	1	44.0-143			0.120	20
Vinyl chloride	25.0	ND	29.9	28.5	120	114	1	24.0-153			4.79	20
o-Xylene	25.0	ND	25.1	24.8	100	99.2	1	44.0-146			1.05	20
m&p-Xylenes	50.0	ND	50.0	49.1	99.9	98.1	1	41.0-147			1.84	20
(S) Toluene-d8					*104*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*107*	*103*		*76.0-123*				
(S) a,a,a-Trifluorotoluene					*101*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*100*	*102*		*80.0-120*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

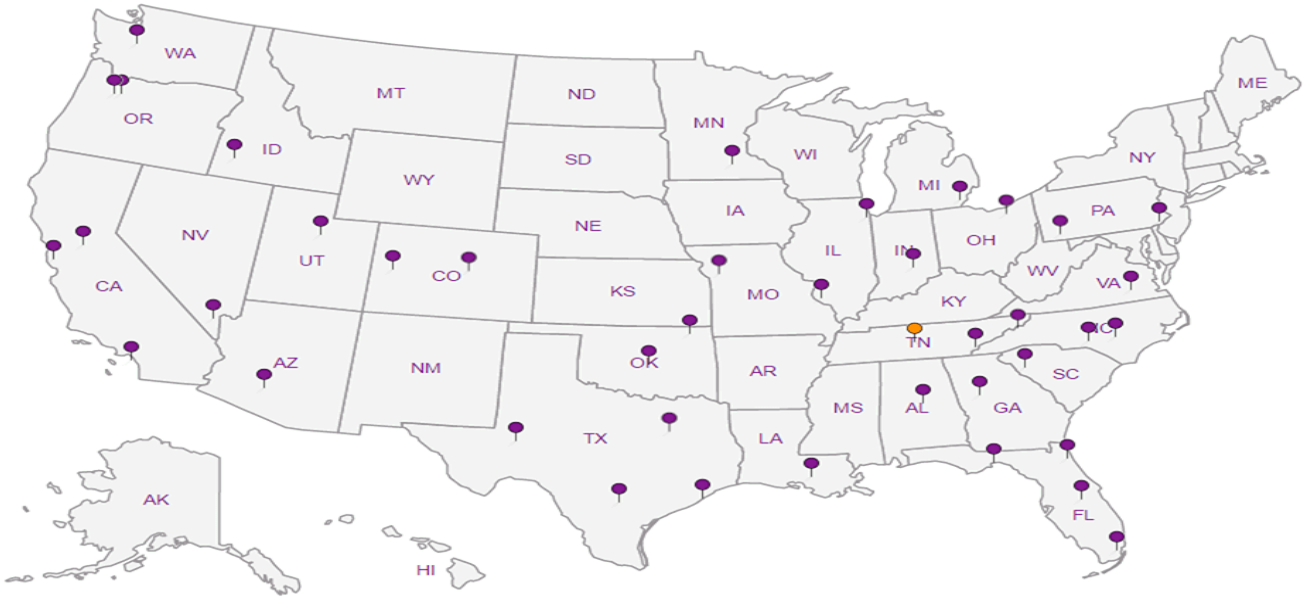
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



LaBella Associates, P.C.

300 State Street, Suite 201
Rochester, NY 14614

Billing Information:
Attn: Accounts Payable
300 State St., Ste. 201
Rochester, NY 14614

Report to: srife; dengert

Email To: srife; dengert

Project Description: Michelsen PDB August 2017

City/State Collected: Rochester, NY

Phone: 585-454-6110
Fax:

Client Project # 2161282

Lab Project #

Collected by (print): S. Rife

Site/Facility ID # 2161282

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HCl VOA: TCL + CP-51 VOCs	Remarks	Sample # (lab only)
DUPE	G	GW	-	8/18/17	-	2	X		01
GPMW-34	G		-		1235	2	X		02
GPMW-26	G		-		1245	2	X		03
IW-5/MS/MSD	G		-		1255	5	X		04
IW-4	G		-		1310	2	X		05
IW-2	G		-		1320	2	X		06
IW-3	G		-		1330	2	X		07
BW-2	G		-		1345	2	X		08
BW-3	G		-		1400	2	X		09
BW-4	G	↓	-	↓	1415	2	X		10

Chain of Custody Page 1 of 1

ESC LABORATORIES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 930865

M174

Acctnum: LABKNY

Template:

Prelogin:

TSR: 364 - T. Alan Harvill

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: * NYS EQUIS EDD, ASP CAT B * pH ____ Temp ____ Flow ____ Other ____

Samples returned via: ___ UPS X FedEx ___ Courier ___

Tracking # 7215 4521 3615

Sample Receipt Checklist
COC Seal Present/Intact: ___NP X Y ___N
COC Signed/Accurate: X Y ___N
Bottles arrive intact: X Y ___N
Correct bottles used: X Y ___N
Sufficient volume sent: X Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	8/18/17	1700	FedEx
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 0.7 °C (Bottle) Bottles Received: 23

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Date: 8/19/17 Time: 0845

ANALYTICAL REPORT

December 11, 2017

LaBella Associates, P.C.

Sample Delivery Group:	L954646
Samples Received:	12/02/2017
Project Number:	2161282
Description:	Michelsen PDB December 2017
Site:	2161282
Report To:	Mr. Steven Rife / Mr. Dave Engert 300 State Street, Suite 201 Rochester, NY 14614

Entire Report Reviewed By:

T. Alan Harvill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

DUPE L954646-01 GW

Collected by	Collected date/time	Received date/time
	12/01/17 00:00	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 02:06	12/04/17 02:06	BMB

GPMW-26 L954646-02 GW

Collected by	Collected date/time	Received date/time
	12/01/17 12:30	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 02:25	12/04/17 02:25	BMB

GPMW-34 L954646-03 GW

Collected by	Collected date/time	Received date/time
	12/01/17 12:45	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 02:44	12/04/17 02:44	GLN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1050500	10	12/07/17 00:29	12/07/17 00:29	JAH

IW-2 L954646-04 GW

Collected by	Collected date/time	Received date/time
	12/01/17 13:15	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 03:03	12/04/17 03:03	BMB

IW-3 L954646-05 GW

Collected by	Collected date/time	Received date/time
	12/01/17 13:25	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 03:23	12/04/17 03:23	BMB

BW-4 L954646-06 GW

Collected by	Collected date/time	Received date/time
	12/01/17 13:35	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 03:42	12/04/17 03:42	BMB

BW-3 L954646-07 GW

Collected by	Collected date/time	Received date/time
	12/01/17 13:45	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 04:01	12/04/17 04:01	BMB

BW-2 L954646-08 GW

Collected by	Collected date/time	Received date/time
	12/01/17 14:00	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 04:20	12/04/17 04:20	BMB

IW-5 L954646-09 GW

			Collected by	Collected date/time	Received date/time
				12/01/17 14:15	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 04:40	12/04/17 04:40	BMB

IW-4 L954646-10 GW

			Collected by	Collected date/time	Received date/time
				12/01/17 14:30	12/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1048987	1	12/04/17 04:59	12/04/17 04:59	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

T. Alan Harvill
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 02:06	WG1048987
Benzene	ND		1.00	1	12/04/2017 02:06	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 02:06	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 02:06	WG1048987
Bromoform	ND		1.00	1	12/04/2017 02:06	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 02:06	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 02:06	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 02:06	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 02:06	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 02:06	WG1048987
Chloroform	ND		5.00	1	12/04/2017 02:06	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 02:06	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 02:06	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 02:06	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 02:06	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 02:06	WG1048987
cis-1,2-Dichloroethene	ND		1.00	1	12/04/2017 02:06	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 02:06	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 02:06	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 02:06	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 02:06	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 02:06	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 02:06	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 02:06	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 02:06	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 02:06	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 02:06	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 02:06	WG1048987
Styrene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 02:06	WG1048987
Tetrachloroethene	ND		1.00	1	12/04/2017 02:06	WG1048987
Toluene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 02:06	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 02:06	WG1048987
Trichloroethene	ND		1.00	1	12/04/2017 02:06	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 02:06	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 02:06	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 02:06	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 02:06	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 02:06	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 02:06	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 02:06	WG1048987
(S) Toluene-d8	*108*		*80.0-120*		*12/04/2017 02:06*	WG1048987
(S) Dibromofluoromethane	*90.9*		*76.0-123*		*12/04/2017 02:06*	WG1048987
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/04/2017 02:06*	WG1048987
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*12/04/2017 02:06*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 02:25	WG1048987
Benzene	ND		1.00	1	12/04/2017 02:25	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 02:25	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 02:25	WG1048987
Bromoform	ND		1.00	1	12/04/2017 02:25	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 02:25	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 02:25	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 02:25	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 02:25	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 02:25	WG1048987
Chloroform	ND		5.00	1	12/04/2017 02:25	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 02:25	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 02:25	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 02:25	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 02:25	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 02:25	WG1048987
cis-1,2-Dichloroethene	1.25		1.00	1	12/04/2017 02:25	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 02:25	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 02:25	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 02:25	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 02:25	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 02:25	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 02:25	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 02:25	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 02:25	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 02:25	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 02:25	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 02:25	WG1048987
Styrene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 02:25	WG1048987
Tetrachloroethene	3.01		1.00	1	12/04/2017 02:25	WG1048987
Toluene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 02:25	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 02:25	WG1048987
Trichloroethene	35.9		1.00	1	12/04/2017 02:25	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 02:25	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 02:25	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 02:25	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 02:25	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 02:25	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 02:25	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 02:25	WG1048987
(S) Toluene-d8	*107*		*80.0-120*		*12/04/2017 02:25*	WG1048987
(S) Dibromofluoromethane	*90.6*		*76.0-123*		*12/04/2017 02:25*	WG1048987
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/04/2017 02:25*	WG1048987
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*12/04/2017 02:25*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 02:44	WG1048987
Benzene	ND		1.00	1	12/04/2017 02:44	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 02:44	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 02:44	WG1048987
Bromoform	ND		1.00	1	12/04/2017 02:44	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 02:44	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 02:44	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 02:44	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 02:44	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 02:44	WG1048987
Chloroform	ND		5.00	1	12/04/2017 02:44	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 02:44	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 02:44	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 02:44	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 02:44	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 02:44	WG1048987
cis-1,2-Dichloroethene	ND		1.00	1	12/04/2017 02:44	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 02:44	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 02:44	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 02:44	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 02:44	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 02:44	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 02:44	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 02:44	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 02:44	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 02:44	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 02:44	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 02:44	WG1048987
Styrene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 02:44	WG1048987
Tetrachloroethene	9.21		1.00	1	12/04/2017 02:44	WG1048987
Toluene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 02:44	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 02:44	WG1048987
Trichloroethene	508		10.0	10	12/07/2017 00:29	WG1050500
Trichlorofluoromethane	ND		5.00	1	12/04/2017 02:44	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 02:44	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 02:44	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 02:44	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 02:44	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 02:44	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 02:44	WG1048987
(S) Toluene-d8	*106*		*80.0-120*		*12/04/2017 02:44*	WG1048987
(S) Toluene-d8	*101*		*80.0-120*		*12/07/2017 00:29*	WG1050500
(S) Dibromofluoromethane	*90.8*		*76.0-123*		*12/04/2017 02:44*	WG1048987
(S) Dibromofluoromethane	*96.8*		*76.0-123*		*12/07/2017 00:29*	WG1050500
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/04/2017 02:44*	WG1048987
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/07/2017 00:29*	WG1050500
(S) 4-Bromofluorobenzene	*110*		*80.0-120*		*12/04/2017 02:44*	WG1048987
(S) 4-Bromofluorobenzene	*98.4*		*80.0-120*		*12/07/2017 00:29*	WG1050500

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 03:03	WG1048987
Benzene	ND		1.00	1	12/04/2017 03:03	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 03:03	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 03:03	WG1048987
Bromoform	ND		1.00	1	12/04/2017 03:03	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 03:03	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 03:03	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 03:03	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 03:03	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 03:03	WG1048987
Chloroform	ND		5.00	1	12/04/2017 03:03	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 03:03	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 03:03	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 03:03	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 03:03	WG1048987
1,1-Dichloroethene	2.76		1.00	1	12/04/2017 03:03	WG1048987
cis-1,2-Dichloroethene	30.5		1.00	1	12/04/2017 03:03	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 03:03	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 03:03	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 03:03	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 03:03	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 03:03	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 03:03	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 03:03	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 03:03	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 03:03	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 03:03	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 03:03	WG1048987
Styrene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 03:03	WG1048987
Tetrachloroethene	1.77		1.00	1	12/04/2017 03:03	WG1048987
Toluene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,1,1-Trichloroethane	28.4		1.00	1	12/04/2017 03:03	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 03:03	WG1048987
Trichloroethene	94.2		1.00	1	12/04/2017 03:03	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 03:03	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 03:03	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 03:03	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 03:03	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 03:03	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 03:03	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 03:03	WG1048987
(S) Toluene-d8	*109*		*80.0-120*		*12/04/2017 03:03*	WG1048987
(S) Dibromofluoromethane	*91.6*		*76.0-123*		*12/04/2017 03:03*	WG1048987
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*12/04/2017 03:03*	WG1048987
(S) 4-Bromofluorobenzene	*110*		*80.0-120*		*12/04/2017 03:03*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 03:23	WG1048987
Benzene	ND		1.00	1	12/04/2017 03:23	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 03:23	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 03:23	WG1048987
Bromoform	ND		1.00	1	12/04/2017 03:23	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 03:23	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 03:23	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 03:23	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 03:23	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 03:23	WG1048987
Chloroform	ND		5.00	1	12/04/2017 03:23	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 03:23	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 03:23	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 03:23	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 03:23	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 03:23	WG1048987
cis-1,2-Dichloroethene	ND		1.00	1	12/04/2017 03:23	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 03:23	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 03:23	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 03:23	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 03:23	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 03:23	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 03:23	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 03:23	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 03:23	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 03:23	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 03:23	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 03:23	WG1048987
Styrene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 03:23	WG1048987
Tetrachloroethene	ND		1.00	1	12/04/2017 03:23	WG1048987
Toluene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 03:23	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 03:23	WG1048987
Trichloroethene	1.41		1.00	1	12/04/2017 03:23	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 03:23	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 03:23	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 03:23	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 03:23	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 03:23	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 03:23	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 03:23	WG1048987
(S) Toluene-d8	*108*		*80.0-120*		*12/04/2017 03:23*	WG1048987
(S) Dibromofluoromethane	*90.3*		*76.0-123*		*12/04/2017 03:23*	WG1048987
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/04/2017 03:23*	WG1048987
(S) 4-Bromofluorobenzene	*106*		*80.0-120*		*12/04/2017 03:23*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 03:42	WG1048987
Benzene	ND		1.00	1	12/04/2017 03:42	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 03:42	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 03:42	WG1048987
Bromoform	ND		1.00	1	12/04/2017 03:42	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 03:42	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 03:42	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 03:42	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 03:42	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 03:42	WG1048987
Chloroform	ND		5.00	1	12/04/2017 03:42	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 03:42	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 03:42	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 03:42	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 03:42	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 03:42	WG1048987
cis-1,2-Dichloroethene	177	V	1.00	1	12/04/2017 03:42	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 03:42	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 03:42	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 03:42	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 03:42	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 03:42	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 03:42	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 03:42	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 03:42	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 03:42	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 03:42	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 03:42	WG1048987
Styrene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 03:42	WG1048987
Tetrachloroethene	ND		1.00	1	12/04/2017 03:42	WG1048987
Toluene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 03:42	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 03:42	WG1048987
Trichloroethene	7.71		1.00	1	12/04/2017 03:42	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 03:42	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 03:42	WG1048987
Vinyl chloride	1.22		1.00	1	12/04/2017 03:42	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 03:42	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 03:42	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 03:42	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 03:42	WG1048987
(S) Toluene-d8	*107*		*80.0-120*		*12/04/2017 03:42*	WG1048987
(S) Dibromofluoromethane	*89.7*		*76.0-123*		*12/04/2017 03:42*	WG1048987
(S) a,a,a-Trifluorotoluene	*102*		*80.0-120*		*12/04/2017 03:42*	WG1048987
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*12/04/2017 03:42*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 04:01	WG1048987
Benzene	ND		1.00	1	12/04/2017 04:01	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 04:01	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 04:01	WG1048987
Bromoform	ND		1.00	1	12/04/2017 04:01	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 04:01	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 04:01	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 04:01	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 04:01	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 04:01	WG1048987
Chloroform	ND		5.00	1	12/04/2017 04:01	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 04:01	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 04:01	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 04:01	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 04:01	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 04:01	WG1048987
cis-1,2-Dichloroethene	56.8		1.00	1	12/04/2017 04:01	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 04:01	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:01	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:01	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 04:01	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 04:01	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 04:01	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 04:01	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 04:01	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 04:01	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 04:01	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 04:01	WG1048987
Styrene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 04:01	WG1048987
Tetrachloroethene	ND		1.00	1	12/04/2017 04:01	WG1048987
Toluene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 04:01	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 04:01	WG1048987
Trichloroethene	71.0		1.00	1	12/04/2017 04:01	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 04:01	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 04:01	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 04:01	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 04:01	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 04:01	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 04:01	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 04:01	WG1048987
(S) Toluene-d8	*107*		*80.0-120*		*12/04/2017 04:01*	WG1048987
(S) Dibromofluoromethane	*89.3*		*76.0-123*		*12/04/2017 04:01*	WG1048987
(S) a,a,a-Trifluorotoluene	*100*		*80.0-120*		*12/04/2017 04:01*	WG1048987
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*12/04/2017 04:01*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 04:20	WG1048987
Benzene	ND		1.00	1	12/04/2017 04:20	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 04:20	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 04:20	WG1048987
Bromoform	ND		1.00	1	12/04/2017 04:20	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 04:20	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 04:20	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 04:20	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 04:20	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 04:20	WG1048987
Chloroform	ND		5.00	1	12/04/2017 04:20	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 04:20	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 04:20	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 04:20	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 04:20	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 04:20	WG1048987
cis-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:20	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 04:20	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:20	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:20	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 04:20	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 04:20	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 04:20	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 04:20	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 04:20	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 04:20	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 04:20	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 04:20	WG1048987
Styrene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 04:20	WG1048987
Tetrachloroethene	ND		1.00	1	12/04/2017 04:20	WG1048987
Toluene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 04:20	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 04:20	WG1048987
Trichloroethene	1.36		1.00	1	12/04/2017 04:20	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 04:20	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 04:20	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 04:20	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 04:20	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 04:20	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 04:20	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 04:20	WG1048987
(S) Toluene-d8	*107*		*80.0-120*		*12/04/2017 04:20*	WG1048987
(S) Dibromofluoromethane	*91.7*		*76.0-123*		*12/04/2017 04:20*	WG1048987
(S) a,a,a-Trifluorotoluene	*103*		*80.0-120*		*12/04/2017 04:20*	WG1048987
(S) 4-Bromofluorobenzene	*107*		*80.0-120*		*12/04/2017 04:20*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 04:40	WG1048987
Benzene	ND		1.00	1	12/04/2017 04:40	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 04:40	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 04:40	WG1048987
Bromoform	ND		1.00	1	12/04/2017 04:40	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 04:40	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 04:40	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 04:40	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 04:40	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 04:40	WG1048987
Chloroform	ND		5.00	1	12/04/2017 04:40	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 04:40	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 04:40	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 04:40	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 04:40	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 04:40	WG1048987
cis-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:40	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 04:40	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:40	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:40	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 04:40	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 04:40	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 04:40	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 04:40	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 04:40	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 04:40	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 04:40	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 04:40	WG1048987
Styrene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 04:40	WG1048987
Tetrachloroethene	ND		1.00	1	12/04/2017 04:40	WG1048987
Toluene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 04:40	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 04:40	WG1048987
Trichloroethene	ND		1.00	1	12/04/2017 04:40	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 04:40	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 04:40	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 04:40	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 04:40	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 04:40	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 04:40	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 04:40	WG1048987
(S) Toluene-d8	*109*		*80.0-120*		*12/04/2017 04:40*	WG1048987
(S) Dibromofluoromethane	*91.7*		*76.0-123*		*12/04/2017 04:40*	WG1048987
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*12/04/2017 04:40*	WG1048987
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*12/04/2017 04:40*	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J0	50.0	1	12/04/2017 04:59	WG1048987
Benzene	ND		1.00	1	12/04/2017 04:59	WG1048987
Bromochloromethane	ND		1.00	1	12/04/2017 04:59	WG1048987
Bromodichloromethane	ND		1.00	1	12/04/2017 04:59	WG1048987
Bromoform	ND		1.00	1	12/04/2017 04:59	WG1048987
Bromomethane	ND	J0	5.00	1	12/04/2017 04:59	WG1048987
Carbon disulfide	ND		1.00	1	12/04/2017 04:59	WG1048987
Carbon tetrachloride	ND		1.00	1	12/04/2017 04:59	WG1048987
Chlorobenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
Chlorodibromomethane	ND		1.00	1	12/04/2017 04:59	WG1048987
Chloroethane	ND		5.00	1	12/04/2017 04:59	WG1048987
Chloroform	ND		5.00	1	12/04/2017 04:59	WG1048987
Chloromethane	ND	J0	2.50	1	12/04/2017 04:59	WG1048987
Cyclohexane	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/04/2017 04:59	WG1048987
1,2-Dibromoethane	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2-Dichlorobenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,3-Dichlorobenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,4-Dichlorobenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
Dichlorodifluoromethane	ND		5.00	1	12/04/2017 04:59	WG1048987
1,1-Dichloroethane	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2-Dichloroethane	ND		1.00	1	12/04/2017 04:59	WG1048987
1,1-Dichloroethene	ND		1.00	1	12/04/2017 04:59	WG1048987
cis-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:59	WG1048987
trans-1,2-Dichloroethene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2-Dichloropropane	ND		1.00	1	12/04/2017 04:59	WG1048987
cis-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:59	WG1048987
trans-1,3-Dichloropropene	ND		1.00	1	12/04/2017 04:59	WG1048987
Ethylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
2-Hexanone	ND		10.0	1	12/04/2017 04:59	WG1048987
Isopropylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
2-Butanone (MEK)	ND		10.0	1	12/04/2017 04:59	WG1048987
Methyl Acetate	ND		20.0	1	12/04/2017 04:59	WG1048987
Methyl Cyclohexane	ND		1.00	1	12/04/2017 04:59	WG1048987
Methylene Chloride	ND		5.00	1	12/04/2017 04:59	WG1048987
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/04/2017 04:59	WG1048987
Methyl tert-butyl ether	ND		1.00	1	12/04/2017 04:59	WG1048987
Naphthalene	ND	J0	5.00	1	12/04/2017 04:59	WG1048987
Styrene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/04/2017 04:59	WG1048987
Tetrachloroethene	4.22		1.00	1	12/04/2017 04:59	WG1048987
Toluene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2,3-Trichlorobenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2,4-Trichlorobenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,1,1-Trichloroethane	ND		1.00	1	12/04/2017 04:59	WG1048987
1,1,2-Trichloroethane	ND		1.00	1	12/04/2017 04:59	WG1048987
Trichloroethene	9.09		1.00	1	12/04/2017 04:59	WG1048987
Trichlorofluoromethane	ND		5.00	1	12/04/2017 04:59	WG1048987
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	12/04/2017 04:59	WG1048987
Vinyl chloride	ND		1.00	1	12/04/2017 04:59	WG1048987
o-Xylene	ND		1.00	1	12/04/2017 04:59	WG1048987
m&p-Xylenes	ND		2.00	1	12/04/2017 04:59	WG1048987
n-Butylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
sec-Butylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
tert-Butylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
1,2,4-Trimethylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
n-Propylbenzene	ND		1.00	1	12/04/2017 04:59	WG1048987
p-Isopropyltoluene	ND		1.00	1	12/04/2017 04:59	WG1048987
(S) Toluene-d8	*105*		*80.0-120*		*12/04/2017 04:59*	WG1048987
(S) Dibromofluoromethane	*89.7*		*76.0-123*		*12/04/2017 04:59*	WG1048987
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*12/04/2017 04:59*	WG1048987
(S) 4-Bromofluorobenzene	*105*		*80.0-120*		*12/04/2017 04:59*	WG1048987

Method Blank (MB)

(MB) R3270897-3 12/03/17 23:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

Method Blank (MB)

(MB) R3270897-3 12/03/17 23:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*89.3*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3270897-1 12/03/17 21:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	86.3	69.1	10.0-160	
Benzene	25.0	22.0	88.0	69.0-123	
Bromodichloromethane	25.0	23.3	93.1	76.0-120	
Bromochloromethane	25.0	25.6	102	76.0-122	
Bromoform	25.0	26.4	105	67.0-132	
Bromomethane	25.0	8.61	34.4	18.0-160	
n-Butylbenzene	25.0	25.9	104	72.0-126	
sec-Butylbenzene	25.0	27.0	108	74.0-121	
tert-Butylbenzene	25.0	26.0	104	75.0-122	
Carbon disulfide	25.0	21.6	86.5	55.0-127	

Laboratory Control Sample (LCS)

(LCS) R3270897-1 12/03/17 21:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Carbon tetrachloride	25.0	22.1	88.2	63.0-122	
Chlorobenzene	25.0	25.8	103	79.0-121	
Chlorodibromomethane	25.0	25.9	104	75.0-125	
Chloroethane	25.0	19.9	79.7	47.0-152	
Chloroform	25.0	22.2	88.6	72.0-121	
Chloromethane	25.0	18.4	73.4	48.0-139	
Cyclohexane	25.0	22.8	91.3	70.0-130	
1,2-Dibromo-3-Chloropropane	25.0	21.8	87.3	64.0-127	
1,2-Dibromoethane	25.0	25.6	102	77.0-123	
1,2-Dichlorobenzene	25.0	25.0	99.9	80.0-120	
1,3-Dichlorobenzene	25.0	25.2	101	72.0-123	
1,4-Dichlorobenzene	25.0	24.2	96.8	77.0-120	
Dichlorodifluoromethane	25.0	24.2	96.6	49.0-155	
1,1-Dichloroethane	25.0	22.5	90.2	70.0-126	
1,2-Dichloroethane	25.0	22.3	89.0	67.0-126	
1,1-Dichloroethene	25.0	23.8	95.2	64.0-129	
cis-1,2-Dichloroethene	25.0	23.1	92.4	73.0-120	
trans-1,2-Dichloroethene	25.0	22.4	89.6	71.0-121	
1,2-Dichloropropane	25.0	24.1	96.4	75.0-125	
cis-1,3-Dichloropropene	25.0	24.8	99.1	79.0-123	
trans-1,3-Dichloropropene	25.0	24.7	98.8	74.0-127	
Ethylbenzene	25.0	25.8	103	77.0-120	
2-Hexanone	125	128	102	58.0-147	
Isopropylbenzene	25.0	27.6	111	75.0-120	
p-Isopropyltoluene	25.0	27.2	109	74.0-126	
2-Butanone (MEK)	125	105	84.0	37.0-158	
Methyl Acetate	125	103	82.6	70.0-130	
Methyl Cyclohexane	25.0	25.9	103	70.0-130	
Methylene Chloride	25.0	20.7	82.7	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	120	95.8	59.0-143	
Methyl tert-butyl ether	25.0	22.8	91.1	64.0-123	
Naphthalene	25.0	18.7	74.7	62.0-128	
n-Propylbenzene	25.0	26.6	106	79.0-120	
Styrene	25.0	26.9	108	78.0-124	
1,1,2,2-Tetrachloroethane	25.0	23.7	95.0	71.0-122	
Tetrachloroethene	25.0	26.9	107	70.0-127	
Toluene	25.0	25.4	102	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	23.0	92.0	61.0-136	
1,2,3-Trichlorobenzene	25.0	21.7	86.6	61.0-133	
1,2,4-Trichlorobenzene	25.0	25.1	101	69.0-129	

Laboratory Control Sample (LCS)

(LCS) R3270897-1 12/03/17 21:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1-Trichloroethane	25.0	22.9	91.8	68.0-122	
1,1,2-Trichloroethane	25.0	26.2	105	78.0-120	
Trichloroethene	25.0	25.0	99.8	78.0-120	
Trichlorofluoromethane	25.0	22.4	89.6	56.0-137	
1,2,4-Trimethylbenzene	25.0	25.6	103	75.0-120	
1,3,5-Trimethylbenzene	25.0	25.9	104	75.0-120	
Vinyl chloride	25.0	22.0	88.0	64.0-133	
o-Xylene	25.0	25.3	101	78.0-120	
m&p-Xylenes	50.0	52.1	104	77.0-120	
(S) Toluene-d8			*107*	*80.0-120*	
(S) Dibromofluoromethane			*87.4*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*107*	*80.0-120*	

L954646-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954646-06 12/04/17 03:42 • (MS) R3270897-4 12/04/17 05:56 • (MSD) R3270897-5 12/04/17 06:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	84.4	88.4	67.5	70.7	1	10.0-139			4.63	25
Benzene	25.0	ND	22.6	24.3	90.5	97.2	1	34.0-147			7.10	20
Bromodichloromethane	25.0	ND	23.7	24.8	94.8	99.3	1	52.0-135			4.62	20
Bromochloromethane	25.0	ND	25.5	27.0	102	108	1	53.0-138			5.83	20
Bromoform	25.0	ND	25.4	28.0	102	112	1	50.0-146			9.64	20
Bromomethane	25.0	ND	9.08	9.70	36.3	38.8	1	10.0-160			6.54	23
n-Butylbenzene	25.0	ND	26.9	29.9	108	120	1	50.0-144			10.5	20
sec-Butylbenzene	25.0	ND	28.4	30.7	114	123	1	48.0-143			7.74	20
tert-Butylbenzene	25.0	ND	27.1	28.7	108	115	1	50.0-142			5.63	20
Carbon disulfide	25.0	ND	22.3	23.5	89.4	94.1	1	10.0-147			5.12	20
Carbon tetrachloride	25.0	ND	24.2	25.4	96.7	102	1	41.0-138			4.96	20
Chlorobenzene	25.0	ND	27.0	27.8	108	111	1	52.0-141			3.09	20
Chlorodibromomethane	25.0	ND	26.0	27.1	104	108	1	54.0-142			3.98	20
Chloroethane	25.0	ND	21.0	21.6	84.0	86.3	1	23.0-160			2.65	20
Chloroform	25.0	ND	23.7	24.6	94.7	98.4	1	50.0-139			3.82	20
Chloromethane	25.0	ND	18.5	19.8	74.2	79.2	1	14.0-151			6.56	20
Cyclohexane	25.0	ND	24.7	25.8	98.7	103	1	70.0-130			4.41	20
1,2-Dibromo-3-Chloropropane	25.0	ND	19.7	23.1	78.9	92.5	1	49.0-144			15.8	24
1,2-Dibromoethane	25.0	ND	25.3	26.3	101	105	1	54.0-140			3.70	20
1,2-Dichlorobenzene	25.0	ND	24.7	25.9	98.9	104	1	56.0-139			4.74	20

L954646-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954646-06 12/04/17 03:42 • (MS) R3270897-4 12/04/17 05:56 • (MSD) R3270897-5 12/04/17 06:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3-Dichlorobenzene	25.0	ND	25.3	26.7	101	107	1	50.0-141			5.45	20
1,4-Dichlorobenzene	25.0	ND	24.4	26.3	97.4	105	1	53.0-136			7.60	20
Dichlorodifluoromethane	25.0	ND	25.1	26.3	100	105	1	20.0-160			4.56	21
1,1-Dichloroethane	25.0	ND	24.1	25.1	96.4	100	1	47.0-143			3.96	20
1,2-Dichloroethane	25.0	ND	22.4	23.1	89.5	92.4	1	47.0-141			3.13	20
1,1-Dichloroethene	25.0	ND	26.0	28.0	104	112	1	31.0-148			7.53	20
cis-1,2-Dichloroethene	25.0	177	188	179	44.2	9.98	1	43.0-142		V	4.66	20
trans-1,2-Dichloroethene	25.0	ND	23.8	25.1	95.3	100	1	36.0-141			5.05	20
1,2-Dichloropropane	25.0	ND	24.3	25.8	97.1	103	1	51.0-141			6.13	20
cis-1,3-Dichloropropene	25.0	ND	24.6	25.2	98.5	101	1	53.0-139			2.15	20
trans-1,3-Dichloropropene	25.0	ND	23.9	24.6	95.5	98.3	1	51.0-143			2.91	20
Ethylbenzene	25.0	ND	27.2	27.9	109	112	1	42.0-147			2.65	20
2-Hexanone	125	ND	126	129	101	103	1	36.0-145			2.60	23
Isopropylbenzene	25.0	ND	29.3	31.3	117	125	1	48.0-141			6.61	20
p-Isopropyltoluene	25.0	ND	28.6	31.3	114	125	1	49.0-146			9.05	20
2-Butanone (MEK)	125	ND	102	107	81.7	85.7	1	12.0-149			4.80	24
Methyl Acetate	125	ND	98.8	104	79.0	83.0	1	70.0-130			4.91	20.8
Methyl Cyclohexane	25.0	ND	28.5	29.8	114	119	1	70.0-130			4.47	20.8
Methylene Chloride	25.0	ND	21.4	22.2	85.4	88.6	1	42.0-135			3.65	20
4-Methyl-2-pentanone (MIBK)	125	ND	118	121	94.0	96.4	1	44.0-160			2.49	22
Methyl tert-butyl ether	25.0	ND	21.9	23.1	87.6	92.6	1	42.0-142			5.52	20
Naphthalene	25.0	ND	16.3	19.0	65.2	76.0	1	42.0-146			15.3	24
n-Propylbenzene	25.0	ND	28.4	30.1	113	121	1	47.0-144			6.10	20
Styrene	25.0	ND	27.3	29.4	109	117	1	47.0-147			7.23	20
1,1,2,2-Tetrachloroethane	25.0	ND	24.4	26.4	97.6	106	1	46.0-149			7.88	20
Tetrachloroethene	25.0	ND	29.3	29.8	117	119	1	38.0-147			1.75	20
Toluene	25.0	ND	26.7	27.2	107	109	1	42.0-141			2.04	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	25.7	27.1	103	108	1	40.0-151			5.15	21
1,2,3-Trichlorobenzene	25.0	ND	20.6	24.0	82.6	96.1	1	45.0-145			15.2	22
1,2,4-Trichlorobenzene	25.0	ND	23.9	27.2	95.7	109	1	49.0-147			12.6	21
1,1,1-Trichloroethane	25.0	ND	24.7	25.5	98.9	102	1	46.0-140			3.27	20
1,1,2-Trichloroethane	25.0	ND	26.5	26.7	106	107	1	54.0-139			0.755	20
Trichloroethene	25.0	7.71	31.9	32.3	96.6	98.4	1	32.0-156			1.41	20
Trichlorofluoromethane	25.0	ND	25.2	26.2	101	105	1	32.0-152			4.09	20
1,2,4-Trimethylbenzene	25.0	ND	25.9	28.0	103	112	1	41.0-146			8.00	20
1,3,5-Trimethylbenzene	25.0	ND	26.2	28.9	105	116	1	44.0-143			9.72	20
Vinyl chloride	25.0	1.22	24.6	25.6	93.3	97.6	1	24.0-153			4.25	20
o-Xylene	25.0	ND	26.4	27.2	106	109	1	44.0-146			3.06	20
m&p-Xylenes	50.0	ND	54.7	56.2	109	112	1	41.0-147			2.78	20
(S) Toluene-d8					*108*	*105*		*80.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

L954646-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L954646-06 12/04/17 03:42 • (MS) R3270897-4 12/04/17 05:56 • (MSD) R3270897-5 12/04/17 06:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Dibromofluoromethane					*88.9*	*89.9*		*76.0-123*				
(S) a,a,a-Trifluorotoluene					*102*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*109*	*110*		*80.0-120*				

Method Blank (MB)

(MB) R3271273-2 12/06/17 23:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Trichloroethene	U		0.398	1.00
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*96.0*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*99.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.8*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3271273-1 12/06/17 22:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Trichloroethene	25.0	26.9	107	78.0-120	
(S) Toluene-d8			*99.6*	*80.0-120*	
(S) Dibromofluoromethane			*99.6*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*98.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.6*	*80.0-120*	

L955542-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L955542-24 12/07/17 05:26 • (MS) R3271273-3 12/07/17 06:45 • (MSD) R3271273-4 12/07/17 07:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Trichloroethene	25.0	13.1	36.9	38.2	95.2	100	1	32.0-156			3.30	20
(S) Toluene-d8					*101*	*102*		*80.0-120*				
(S) Dibromofluoromethane					*99.4*	*99.0*		*76.0-123*				
(S) a,a,a-Trifluorotoluene					*101*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*96.5*	*99.9*		*80.0-120*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

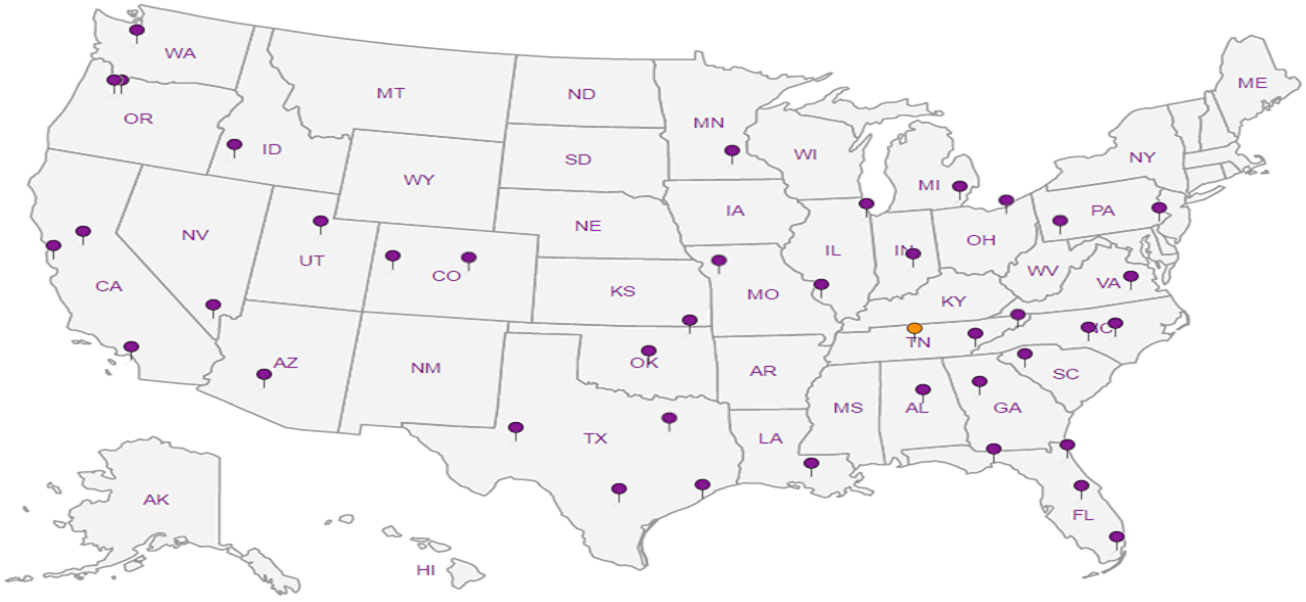
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

Billing Information:
Attn: Accounts Payable
300 State St., Ste. 201
Rochester, NY 14614

Report to: srife; dengert
Email To: srife; dengert

Project Description: Michelsen PDB December 2017
City/State Collected: Rochester NY

Phone: 585-454-6110
Fax:

Client Project # 2161282
Lab Project #

Collected by (print):
Site/Facility ID # 2161282
P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed

Analysis / Container / Preservative

Pres Chk | HCl | TCL + CP-51 VOCs | No. of Ctrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time			
DUPE	G	GW	-	12/1/17	-	2	X	-01
GPMW-26			-		1230	2	X	02
GPMW-34			-		1245	2	X	03
IW-2			-		1315	2	X	04
IW-3			-		1325	2	X	05
BW-4 / MS / MSD			-		1335	5	X	06
BW-3			-		1345	2	X	07
BW-2			-		1400	2	X	08
IW-5			-		1415	2	X	09
IW-4			-		1430	2	X	10

Chain of Custody Page 1 of 1

ESC LABORATORIES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L954646
1203
Acctnum: LABRNY
Template:
Prelogin:
TSR: 364 - T. Alan Harvill
PB:
Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *NYS EQUIS EDD; ASP CAT B RPT*
pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____
Tracking # 7474 0929 5480

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: ✓ __N
Bottles arrive intact: ✓ __N
Correct bottles used: ✓ __N
Sufficient volume sent: ✓ __N
If Applicable
VOA Zero Headspace: ✓ __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
	12/1/17	1850	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.9 °C	Bottles Received: 23VP
					If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-2-17	Time: 0845
				Hold:	Condition: NCF / OK

LaBella Associates, D.P.C.

300 State Street
Rochester, New York 14614

Appendix B

Data Usability Summary Reports

DATA USABILITY SUMMARY REPORT

for

LABELLA ASSOCIATES, P.C.

300 State Street

Rochester, NY 14614

MICHELSON BCP SITE
Project 214539
Aqueous Samples
SDG: L930865
Sampled August 2017

VOLATILE ORGANICS

DUPE	(L930865-01)	GPMW-34	(L930865-02)
GPMW-26	(L930865-03)	IW-5	(L930865-04)
IW-4	(L930865-05)	IW-2	(L930865-06)
IW-3	(L930865-07)	BW-2	(L930865-08)
BW-3	(L930865-09)	BW-4	(L930865-10)

DATA ASSESSMENT

An ASP Category B data package containing analytical results for ten aqueous samples was received from Labella Associates, P.C. on 19Apr18. The deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Michelson BCP Site, were identified by Chain of Custody documents and traceable through the work of ESC Lab Sciences, the laboratory contracted for analysis. Analyses, performed according to SW-846 Method 8260, addressed determinations of volatile organics. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation) was used as a technical reference.

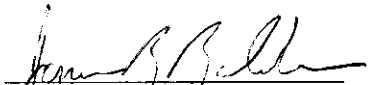
The bromomethane results from this project have been qualified as estimations due to poor calibration performance.

The bromomethane and chloromethane results from this group of samples have been qualified as estimations due to low spiked blank recoveries.

CORRECTNESS AND USABILITY

The data package supporting the results from this group of samples was found to be complete and well organized. Reported data is felt to be completely usable in its present form. Data presenting a usable estimation of the conditions being measured has been flagged "J" or "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed strict QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:  Date: 19 Apr 18

James B. Baldwin
DATAVAL Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the time of sample collection. Samples must remain chilled to 4±2°C between the time of collection and the time of analysis. Acid preserved VOC samples must be analyzed within 14 days, unpreserved VOC samples within 7 days. The holding time for VOC soils is 14 days. Aqueous semivolatile organics, pesticide and PCB samples must be extracted within seven days of collection. Soils must be extracted within 14 days. The extracts must then be analyzed within forty days of extraction. The holding times for cyanide and mercury samples are 14 and 28 days, respectively. Metals samples must be analyzed within six months.

This delivery group contained ten aqueous samples that were collected from the Michelson BCP Site and shipped to the laboratory, via FedEx, on 18Aug17. The shipment was received the following morning. At the time of receipt, the cooler of samples was found to be intact and properly chilled. A cooler temperature of 0.9°C was recorded in the laboratory. It is noted that custody seals were not found on the sample cooler.

Proper sample preservation was documented in the field custody record and verified in the laboratory. At the time of analysis a pH<2 was obtained from each program sample.

VOLATILE ORGANICS

This group of acid preserved samples was analyzed for volatile organics between 21Aug17 and 24Aug17. The SW-846 holding time requirements were satisfied.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

One method blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

It is noted that a blank was not analyzed on 24Aug17 with the 1:5 dilution of BW-4. This sample was only analyzed for cis-1,2-dichloroethene which was known to be present.

MS Tuning

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately

detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence that included samples from this program. An Instrument Performance Check Form is present for each BFB evaluation. The BFB tunes associated with this group of samples satisfied the program acceptance criteria.

Calibrations

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

Initial instrument calibrations for VOC were performed on 15Aug17 and 17Aug17. Standards of 0.25, 0.5, 1.0, 2.0, 5.0, 10, 25, 40, 75 100 and 200 µg/l were included. Each analyte targeted by this program produced the required levels of instrument response and demonstrated an acceptable degree of linearity during both calibrations.

It is noted that poor calibration performance was reported for acetone and trichloroethene on 15Aug17. This performance warrants no concern because the calibration was only associated with the determination of cis-1,2-dichloroethene in the diluted sample of BW-4.

Calibration check standards were analyzed on 21Aug17 and 23Aug17, prior to the 12-hour periods of instrument operation that included samples from this program. When compared to the initial calibrations, an unacceptable shift was observed in the instrument response of bromomethane (51%) on 21Aug17. The bromomethane esults from this delivery group have been qualified as estimations based on this performance.

Surrogates

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the ASP requirements, acceptable recoveries were reported for each surrogate addition to this group of samples.

Internal Standards

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated

relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, acceptable performance was reported for the internal standard additions to each program sample.

Matrix Spikes

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

IW-5 was selected for matrix spiking. The entire list of targeted analytes was added to two aliquots of this sample. The recoveries reported for these spikes included high results for dichlorodifluoromethane (155%,156%) and trichlorofluoromethane (147%,145%). These indications of positive bias had no impact on reported data because dichlorodifluoromethane and trichlorofluoromethane were not found in this group of samples. The remaining analytes demonstrated acceptable levels of measurement precision and accuracy.

Recoveries were also reported for spikes to a sample from an unrelated program. This information was not considered relevant because recoveries from a program sample were available.

A pair of aqueous spiked blanks (LCS/LCSD) was also analyzed with this group of samples. The recoveries reported from these LCS samples included low results for bromomethane (49%,60%) and chloromethane (63%,59%). The bromomethane and chloromethane results from this delivery group have been qualified as estimations based on this performance.

Duplicates

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

The field split duplicate sample that was included in this delivery group was not identified.

Reported Analytes

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-

outs. Reference mass spectra were provided to confirm the identification of each analyte that was found in this group of samples. Tentatively Identified Compounds (TIC) were not reported.

SUMMARY OF QUALIFIED DATA

MICHELSON BCP SITE

SAMPLED: AUGUST 2017

	CALIBRATE BROMOMETHANE	SPIKE BROMOMETHANE	SPIKE CHLOROMETHANE
DUPE (L930865-01)	5.00UJ	5.00UJ	2.50UJ
GPMW-34 (L930865-02)	5.00UJ	5.00UJ	2.50UJ
GPMW-26 (L930865-03)	5.00UJ	5.00UJ	2.50UJ
IW-5 (L930865-04)	5.00UJ	5.00UJ	2.50UJ
IW-4 (L930865-05)	5.00UJ	5.00UJ	2.50UJ
IW-2 (L930865-06)	5.00UJ	5.00UJ	2.50UJ
IW-3 (L930865-07)	5.00UJ	5.00UJ	2.50UJ
BW-2 (L930865-08)	5.00UJ	5.00UJ	2.50UJ
BW-3 (L930865-09)	5.00UJ	5.00UJ	2.50UJ
BW-4 (L930865-10)	5.00UJ	5.00UJ	2.50UJ

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
DUPE

ESC Sample ID:	L930865-01	**SDG:**	L930865
Client Sample ID:	DUPE	**Collected Date/Time:**	08/18/17 00:00
Lab File ID:	0821_42	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/21/17 23:01
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/21/17 23:01
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	_____
Total Solids (%):	_____	**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	S0.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.4S3	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	0	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	6.08		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
DUPE

ESC Sample ID:	L930865-01	**SDG:**	L930865
Client Sample ID:	DUPE	**Collected Date/Time:**	08/18/17 00:00
Lab File ID:	0821_42	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/21/17 23:01
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/21/17 23:01
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.52	13.3		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
GPMW-34

ESC Sample ID:	L930865-02	**SDG:**	L930865
Client Sample ID:	GPMW-34	**Collected Date/Time:**	08/18/17 12:35
Lab File ID:	0821_43	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/21/17 23:21
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/21/17 23:21
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND	J0	0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ		0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	0	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L930865-02	**SDG:**	L930865
Client Sample ID:	GPMW-34	**Collected Date/Time:**	08/18/17 12:35
Lab File ID:	0821_43	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/21/17 23:21
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/21/17 23:21
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.52	14.8		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
GPMW-26

ESC Sample ID:	L930865-03	**SDG:**	L930865
Client Sample ID:	GPMW-26	**Collected Date/Time:**	08/18/17 12:45
Lab File ID:	0821_44	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/21/17 23:41
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/21/17 23:41
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.74	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

ONE LAB. NATIONWIDE.

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
GPMW-26

ESC Sample ID:	L930865-03	**SDG:**	L930865
Client Sample ID:	GPMW-26	**Collected Date/Time:**	08/18/17 12:45
Lab File ID:	0821_44	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/21/17 23:41
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/21/17 23:41
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.53	3.31		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: IW-5

ESC Sample ID:	L930865-04	**SDG:**	L930865
Client Sample ID:	IW-5	**Collected Date/Time:**	08/18/17 12:55
Lab File ID:	0821_45	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 00:00
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 00:00
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	4.21	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	0	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-5

ESC Sample ID:	L930865-04	**SDG:**	L930865
Client Sample ID:	IW-5	**Collected Date/Time:**	08/18/17 12:55
Lab File ID:	0821_45	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 00:00
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 00:00
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	_____
Total Solids (%):	_____	**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.53	ND		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: IW-4

ESC Sample ID:	L930865-05	**SDG:**	L930865
Client Sample ID:	IW-4	**Collected Date/Time:**	08/18/17 13:10
Lab File ID:	0821_46	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 00:20
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 00:20
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	0	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	5.93		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-4

ESC Sample ID:	L930865-05	**SDG:**	L930865
Client Sample ID:	IW-4	**Collected Date/Time:**	08/18/17 13:10
Lab File ID:	0821_46	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 00:20
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 00:20
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.52	13.7		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: IW-2

ESC Sample ID:	L930865-06	**SDG:**	L930865
Client Sample ID:	IW-2	**Collected Date/Time:**	08/18/17 13:20
Lab File ID:	0821_47	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 00:40
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 00:40
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	S0.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	3.45	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	2.67	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.74	13.5		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-2

ESC Sample ID:	L930865-06	**SDG:**	L930865
Client Sample ID:	IW-2	**Collected Date/Time:**	08/18/17 13:20
Lab File ID:	0821_47	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 00:40
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 00:40
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	4	13.0		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.52	33.4		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L930865-07	**SDG:**	L930865
Client Sample ID:	IW-3	**Collected Date/Time:**	08/18/17 13:30
Lab File ID:	0821_48	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:00
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:00
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	3.44	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	2.67	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.73	31.9		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	3.10	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	1.51		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-3

ESC Sample ID:	L930865-07	**SDG:**	L930865
Client Sample ID:	IW-3	**Collected Date/Time:**	08/18/17 13:30
Lab File ID:	0821_48	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:00
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:00
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	4	5.35		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.52	109		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	1.91	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-2

ESC Sample ID:	L930865-08	**SDG:**	L930865
Client Sample ID:	BW-2	**Collected Date/Time:**	08/18/17 13:45
Lab File ID:	0821_49	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:19
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:19
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	_____
Total Solids (%):	_____	**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	0	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-2

ESC Sample ID:	L930865-08	**SDG:**	L930865
Client Sample ID:	BW-2	**Collected Date/Time:**	08/18/17 13:45
Lab File ID:	0821_49	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:19
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:19
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.53	ND		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-3

ESC Sample ID:	L930865-09	**SDG:**	L930865
Client Sample ID:	BW-3	**Collected Date/Time:**	08/18/17 14:00
Lab File ID:	0821_50	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:39
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:39
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.03	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.73	39.9		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	3.11	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.62	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-3

ESC Sample ID:	L930865-09	**SDG:**	L930865
Client Sample ID:	BW-3	**Collected Date/Time:**	08/18/17 14:00
Lab File ID:	0821_50	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:39
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:39
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.52	50.3		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L930865-10	**SDG:**	L930865
Client Sample ID:	BW-4	**Collected Date/Time:**	08/18/17 14:15
Lab File ID:	0821_51	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:59
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:59
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.04	ND		10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0 J3	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	~~ND~~ UJ	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
trans-1,2-Dichloroethene	156-60-5	3.10	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND		1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-4

ESC Sample ID:	L930865-10	**SDG:**	L930865
Client Sample ID:	BW-4	**Collected Date/Time:**	08/18/17 14:15
Lab File ID:	0821_51	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS6	**Preparation Date/Time:**	08/22/17 01:59
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/22/17 01:59
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.53	20.2		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	1.92	2.72		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L930865-10	**SDG:**	L930865
Client Sample ID:	BW-4	**Collected Date/Time:**	08/18/17 14:15
Lab File ID:	0823_32	**Received Date/Time:**	08/19/17 08:45
Instrument ID:	VOCMS32	**Preparation Date/Time:**	08/24/17 03:27
Analytical Batch:	WG1012142	**Analysis Date/Time:**	08/24/17 03:27
Dilution Factor:	5	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
cis-1,2-Dichloroethene	156-59-2	3.85	301		1.30	5.00

2A-OR

SURROGATE RECOVERY

Analytical Method: 8260C **SDG:** L930865
Matrix: GW

Sample ID	ESC Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	TOT Out
				% Rec.	% Rec.	% Rec.	% Rec.	
DUPE	L930865-01	VOCMS6	0821_42	104	108	104	107	0
GPMW-34	L930865-02	VOCMS6	0821_43	104	106	104	105	0
GPMW-26	L930865-03	VOCMS6	0821_44	104	108	105	105	0
IW-5	L930865-04	VOCMS6	0821_45	103	108	105	107	0
IW-4	L930865-05	VOCMS6	0821_46	101	110	105	108	0
IW-2	L930865-06	VOCMS6	0821_47	104	107	103	105	0
IW-3	L930865-07	VOCMS6	0821_48	102	107	101	107	0
BW-2	L930865-08	VOCMS6	0821_49	102	108	104	104	0
BW-3	L930865-09	VOCMS6	0821_50	102	109	103	108	0
BW-4	L930865-10	VOCMS6	0821_51	104	106	104	105	0
BW-4	L930865-10	VOCMS32	0823_32	106	104	103	101	0
MS	R3243882-4	VOCMS6	0821_52	100	108	103	103	0
MSD	R3243882-5	VOCMS6	0821_53	100	106	103	103	0
MS	R3244242-1	VOCMS32	0823_34	104	107	101	100	0
MSD	R3244242-2	VOCMS32	0823_35	104	103	102	102	0
BLANK	R3243882-3	VOCMS6	0821_28	103	108	105	106	0
LCS	R3243882-1	VOCMS6	0821_25a	102	107	104	103	0
LCSD	R3243882-2	VOCMS6	0821_26	101	106	104	103	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	Toluene-d8	80.0 - 120
DMC-2	Dibromofluoromethane	76.0 - 123
DMC-3	a,a,a-Trifluorotoluene	80.0 - 120
DMC-4	4-Bromofluorobenzene	80.0 - 120

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

3A-OR

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L930865-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3244242-1
R3244242-2

MS Sample / File ID: R3244242-1 / 0823_34
MSD Sample / File ID: R3244242-2 / 0823_35
OS Sample / File ID: L930889-04 / 0823_33
Instrument ID: VOCMS32
Analytical Method: 8260C

SDG: L930865
Analytical Batch: WG1012142
Matrix: GW

non-program sample.

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	ug/l	ug/l	ug/l	%	%		%	%	%
Acetone	125	ND	58.0	49.0	46.4	39.2	1	10.0 - 139	16.9	25
Benzene	25.0	ND	26.8	26.0	107 ✓	104 ✓	1	34.0 - 147	3.02	20
Bromodichloromethane	25.0	ND	26.5	26.1	106	104	1	52.0 - 135	1.62	20
Bromochloromethane	25.0	ND	25.5	24.8	102	99.3	1	53.0 - 138	2.56	20
Bromoform	25.0	ND	25.0	25.5	99.9	102	1	50.0 - 146	2.11	20
Bromomethane	25.0	ND	24.5	23.9	98.0	95.6	1	10.0 - 160	2.48	23
n-Butylbenzene	25.0	ND	27.6	26.1	110	104	1	50.0 - 144	5.49	20
sec-Butylbenzene	25.0	ND	27.1	26.1	108	104	1	48.0 - 143	3.61	20
tert-Butylbenzene	25.0	ND	26.3	26.3	105	105	1	50.0 - 142	0.0200	20
Carbon disulfide	25.0	ND	24.9	23.8	99.5	95.1	1	10.0 - 147	4.54	20
Carbon tetrachloride	25.0	ND	26.9	25.8	108	103	1	41.0 - 138	4.18	20
Chlorobenzene	25.0	ND	25.3	25.0	101 ✓	99.8 ✓	1	52.0 - 141	1.44	20
Chlorodibromomethane	25.0	ND	24.5	24.6	98.0	98.4	1	54.0 - 142	0.390	20
Chloroethane	25.0	ND	28.6	27.5	114	110	1	23.0 - 160	3.76	20
Chloroform	25.0	ND	27.6	26.5	110	106	1	50.0 - 139	4.19	20
Chloromethane	25.0	ND	27.2	26.0	109	104	1	14.0 - 151	4.59	20
Cyclohexane	25.0	ND	27.5	25.6	110	102	1	70.0 - 130	7.27	20
1,2-Dibromo-3-Chloropropane	25.0	ND	23.6	23.8	94.5	95.4	1	49.0 - 144	0.870	24
1,2-Dibromoethane	25.0	ND	24.1	24.3	96.4	97.1	1	54.0 - 140	0.700	20
1,2-Dichlorobenzene	25.0	ND	26.1	26.0	104	104	1	56.0 - 139	0.410	20
1,3-Dichlorobenzene	25.0	ND	26.0	25.8	104	103	1	50.0 - 141	0.850	20
1,4-Dichlorobenzene	25.0	ND	26.3	26.4	103	103	1	53.0 - 136	0.380	20
Dichlorodifluoromethane	25.0	ND	32.7	29.1	131	116	1	20.0 - 160	11.7	21
1,1-Dichloroethane	25.0	ND	28.3	27.5	113	110	1	47.0 - 143	2.81	20
1,2-Dichloroethane	25.0	ND	26.8	25.7	107	103	1	47.0 - 141	4.38	20
1,1-Dichloroethene	25.0	ND	28.3	26.5	113 ✓	106 ✓	1	31.0 - 148	6.62	20
cis-1,2-Dichloroethene	25.0	ND	26.8	25.9	107	104	1	43.0 - 142	3.43	20
trans-1,2-Dichloroethene	25.0	ND	26.9	25.6	108	102	1	36.0 - 141	5.16	20
1,2-Dichloropropane	25.0	ND	27.2	27.0	109	108	1	51.0 - 141	0.760	20
cis-1,3-Dichloropropene	25.0	ND	24.9	25.1	99.8	100	1	53.0 - 139	0.600	20
trans-1,3-Dichloropropene	25.0	ND	24.3	24.9	97.3	99.6	1	51.0 - 143	2.35	20
Ethylbenzene	25.0	ND	25.1	24.6	100	98.4	1	42.0 - 147	2.07	20
2-Hexanone	125	ND	110	106	87.9	84.7	1	36.0 - 145	3.73	23
Isopropylbenzene	25.0	ND	27.1	27.2	109	109	1	48.0 - 141	0.0900	20
p-Isopropyltoluene	25.0	ND	26.2	25.5	105	102	1	49.0 - 146	2.95	20
2-Butanone (MEK)	125	ND	93.1	84.9	74.5	67.9	1	12.0 - 149	9.22	24
Methyl Acetate	125	ND	110	101	88.0	81.1	1	70.0 - 130	8.10	20.8
Methyl Cyclohexane	25.0	ND	25.2	22.9	101	91.8	1	70.0 - 130	9.29	20.8
Methylene Chloride	25.0	ND	25.4	24.7	102	99.0	1	42.0 - 135	2.66	20
4-Methyl-2-pentanone (MIBK)	125	ND	119	117	95.6	93.4	1	44.0 - 160	2.32	22
Methyl tert-butyl ether	25.0	ND	25.8	24.3	103	97.3	1	42.0 - 142	5.95	20
Naphthalene	25.0	ND	25.6	26.2	102	105	1	42.0 - 146	2.42	24
n-Propylbenzene	25.0	ND	26.7	26.7	107	107	1	47.0 - 144	0.0300	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L930865-01,02,03,04,05,06,07,08,09,10

MS Sample / File ID: R3244242-1 / 0823_34
MSD Sample / File ID: R3244242-2 / 0823_35
OS Sample / File ID: L930889-04 / 0823_33
Instrument ID: VOCMS32
Analytical Method: 8260C

SDG: L930865
Analytical Batch: WG1012142
Matrix: GW

Non-program sample

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	ug/l	ug/l	ug/l	%	%		%	%	%
Styrene	25.0	ND	26.1	26.5	104	106	1	47.0 - 147	1.46	20
1,1,2,2-Tetrachloroethane	25.0	ND	24.9	25.7	99.7	103	1	46.0 - 149	3.15	20
Tetrachloroethene	25.0	ND	24.8	24.2	99.0	96.7	1	38.0 - 147	2.41	20
Toluene	25.0	ND	24.6	24.4	98.4	97.6	1	42.0 - 141	0.820	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	29.9	27.5	120	110	1	40.0 - 151	8.48	21
1,2,3-Trichlorobenzene	25.0	ND	25.8	25.2	103	101	1	45.0 - 145	2.44	22
1,2,4-Trichlorobenzene	25.0	ND	26.0	24.9	104	99.4	1	49.0 - 147	4.34	21
1,1,1-Trichloroethane	25.0	ND	28.3	27.3	113	109	1	46.0 - 140	3.49	20
1,1,2-Trichloroethane	25.0	ND	24.4	24.5	97.7	98.0	1	54.0 - 139	0.300	20
Trichloroethene	25.0	ND	26.5	26.1	106	104	1	32.0 - 156	1.58	20
Trichlorofluoromethane	25.0	ND	28.9	26.8	116	107	1	32.0 - 152	7.62	20
1,2,4-Trimethylbenzene	25.0	ND	25.8	25.8	103	103	1	41.0 - 146	0.230	20
1,3,5-Trimethylbenzene	25.0	ND	26.3	26.3	105	105	1	44.0 - 143	0.120	20
Vinyl chloride	25.0	ND	29.9	28.5	120	114	1	24.0 - 153	4.79	20
o-Xylene	25.0	ND	25.1	24.8	100	99.2	1	44.0 - 146	1.05	20
m&p-Xylenes	50.0	ND	50.0	49.1	99.9	98.1	1	41.0 - 147	1.84	20

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

3A-OR

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L930865-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3243882-4
R3243882-5

MS Sample / File ID: R3243882-4 / 0821_52
MSD Sample / File ID: R3243882-5 / 0821_53
OS Sample / File ID: L930865-04 / 0821_45
Instrument ID: VOCMS6
Analytical Method: 8260C

SDG: L930865
Analytical Batch: WG1012142
Matrix: GW

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	ug/l	ug/l	ug/l	%	%		%	%	%
Acetone	125	ND	91.3	92.7	73.1	74.2	1	10.0 - 139	1.47	25
Benzene	25.0	ND	29.2	28.3	117 ✓	113 ✓	1	34.0 - 147	3.28	20
Bromodichloromethane	25.0	ND	25.9	24.5	104	98.1	1	52.0 - 135	5.45	20
Bromochloromethane	25.0	ND	27.3	25.9	109	104	1	53.0 - 138	5.27	20
Bromoform	25.0	ND	24.4	23.9	97.8	95.7	1	50.0 - 146	2.11	20
Bromomethane	25.0	ND	25.8	21.6	103	86.4	1	10.0 - 160	17.5	23
n-Butylbenzene	25.0	ND	26.2	25.6	105	102	1	50.0 - 144	2.16	20
sec-Butylbenzene	25.0	ND	25.1	24.6	100	98.5	1	48.0 - 143	1.73	20
tert-Butylbenzene	25.0	ND	24.4	24.0	97.6	96.0	1	50.0 - 142	1.70	20
Carbon disulfide	25.0	ND	27.6	26.7	110	107	1	10.0 - 147	3.47	20
Carbon tetrachloride	25.0	ND	32.4	30.9	130	123	1	41.0 - 138	5.04	20
Chlorobenzene	25.0	ND	25.0	24.7	100 ✓	98.7 ✓	1	52.0 - 141	1.54	20
Chlorodibromomethane	25.0	ND	24.6	24.4	98.3	97.4	1	54.0 - 142	0.890	20
Chloroethane	25.0	ND	32.2	31.6	129	126	1	23.0 - 160	1.89	20
Chloroform	25.0	ND	27.7	26.7	111	107	1	50.0 - 139	3.70	20
Chloromethane	25.0	ND	19.5	20.0	78.0	80.0	1	14.0 - 151	2.50	20
Cyclohexane	25.0	ND	29.8	29.1	119	116	1	70.0 - 130	2.61	20
1,2-Dibromo-3-Chloropropane	25.0	ND	24.1	24.1	96.4	96.5	1	49.0 - 144	0.110	24
1,2-Dibromoethane	25.0	ND	24.6	24.4	98.6	97.6	1	54.0 - 140	1.05	20
1,2-Dichlorobenzene	25.0	ND	24.4	24.4	97.6	97.7	1	56.0 - 139	0.120	20
1,3-Dichlorobenzene	25.0	ND	24.6	24.3	98.3	97.1	1	50.0 - 141	1.19	20
1,4-Dichlorobenzene	25.0	ND	23.6	23.0	94.5	91.9	1	53.0 - 136	2.74	20
Dichlorodifluoromethane	25.0	ND	38.8	39.1	(155)	(156)	1	20.0 - 160	0.720	21
1,1-Dichloroethane	25.0	ND	28.7	27.8	115	111	1	47.0 - 143	3.15	20
1,2-Dichloroethane	25.0	ND	28.3	27.9	113	111	1	47.0 - 141	1.62	20
1,1-Dichloroethene	25.0	ND	28.8	27.4	115 ✓	110 ✓	1	31.0 - 148	4.98	20
cis-1,2-Dichloroethene	25.0	ND	28.8	25.8	115	103	1	43.0 - 142	10.7	20
trans-1,2-Dichloroethene	25.0	ND	28.4	27.3	114	109	1	36.0 - 141	4.00	20
1,2-Dichloropropane	25.0	ND	28.0	27.0	112	108	1	51.0 - 141	3.81	20
cis-1,3-Dichloropropene	25.0	ND	24.7	24.6	98.9	98.6	1	53.0 - 139	0.300	20
trans-1,3-Dichloropropene	25.0	ND	25.6	24.8	102	99.2	1	51.0 - 143	3.18	20
Ethylbenzene	25.0	ND	25.1	24.5	100	98.2	1	42.0 - 147	2.24	20
2-Hexanone	125	ND	121	122	96.8	97.2	1	36.0 - 145	0.460	23
Isopropylbenzene	25.0	ND	25.2	24.4	101	97.4	1	48.0 - 141	3.32	20
p-Isopropyltoluene	25.0	ND	24.4	24.3	97.5	97.2	1	49.0 - 146	0.350	20
2-Butanone (MEK)	125	ND	131	131	105	105	1	12.0 - 149	0.0600	24
Methyl Acetate	125	ND	142	139	114	112	1	70.0 - 130	1.89	20.8
Methyl Cyclohexane	25.0	ND	27.2	26.7	109	107	1	70.0 - 130	2.05	20.8
Methylene Chloride	25.0	ND	25.6	24.9	102	99.7	1	42.0 - 135	2.57	20
4-Methyl-2-pentanone (MIBK)	125	ND	127	126	101	101	1	44.0 - 160	0.810	22
Methyl tert-butyl ether	25.0	ND	27.7	26.5	111	106	1	42.0 - 142	4.32	20
Naphthalene	25.0	ND	23.1	23.4	92.4	93.6	1	42.0 - 146	1.32	24
n-Propylbenzene	25.0	ND	25.6	25.0	102	100	1	47.0 - 144	2.15	20

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

3A-OR

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L930865-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3243882-4
R3243882-5

MS Sample / File ID: R3243882-4 / 0821_52
MSD Sample / File ID: R3243882-5 / 0821_53
OS Sample / File ID: L930865-04 / 0821_45
Instrument ID: VOCMS6
Analytical Method: 8260C

SDG: L930865
Analytical Batch: WG1012142
Matrix: GW

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	ug/l	ug/l	ug/l	%	%		%	%	%
Styrene	25.0	ND	25.9	25.5	104	102	1	47.0 - 147	1.65	20
1,1,2,2-Tetrachloroethane	25.0	ND	25.2	24.6	101	98.2	1	46.0 - 149	2.72	20
Tetrachloroethene	25.0	ND	26.4	25.3	104	99.7	1	38.0 - 147	4.19	20
Toluene	25.0	ND	24.8	24.2	99.1 ✓	96.8 ✓	1	42.0 - 141	2.31	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	31.2	30.8	125	123	1	40.0 - 151	1.41	21
1,2,3-Trichlorobenzene	25.0	ND	22.8	22.5	91.3	90.1	1	45.0 - 145	1.27	22
1,2,4-Trichlorobenzene	25.0	ND	24.2	23.8	96.9	95.0	1	49.0 - 147	1.95	21
1,1,1-Trichloroethane	25.0	ND	29.1	27.8	116	111	1	46.0 - 140	4.64	20
1,1,2-Trichloroethane	25.0	ND	24.3	23.6	97.1	94.4	1	54.0 - 139	2.83	20
Trichloroethene	25.0	ND	27.6	26.6	108 ✓	104 ✓	1	32.0 - 156	3.78	20
Trichlorofluoromethane	25.0	ND	36.8	36.1	147	145	1	32.0 - 152	1.95	20
1,2,4-Trimethylbenzene	25.0	ND	24.4	24.0	97.6	95.9	1	41.0 - 146	1.77	20
1,3,5-Trimethylbenzene	25.0	ND	24.6	24.4	98.4	97.7	1	44.0 - 143	0.680	20
Vinyl chloride	25.0	ND	32.0	31.4	128	125	1	24.0 - 153	1.99	20
o-Xylene	25.0	ND	24.3	24.6	97.3	98.3	1	44.0 - 146	1.02	20
m&p-Xylenes	50.0	ND	50.3	49.1	101	98.2	1	41.0 - 147	2.29	20

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

ONE LAB. NATIONWIDE.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
RECOVERY

L930865-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3243882-1
R3243882-2

LCS Sample / File ID:	R3243882-1 / 0821_25a	**SDG:**	L930865
LCSD Sample / File ID:	R3243882-2 / 0821_26	**Analytical Batch:**	WG1012142
Instrument ID:	VOCMS6	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	ug/l	ug/l	%	%	%	%	%
Acetone	125	101	101	80.8	81.1	10.0 - 160	0.360	23
Benzene	25.0	26.7	25.7	107	103	69.0 - 123	3.74	20
Bromodichloromethane	25.0	24.6	23.6	98.4	94.4	76.0 - 120	4.17	20
Bromochloromethane	25.0	25.7	23.5	103	94.1	76.0 - 122	9.01	20
Bromoform	25.0	24.9	23.6	99.5	94.4	67.0 - 132	5.28	20
Bromomethane	25.0	12.2	15.1	48.8	60.4	18.0 - 160	21.2*	20
n-Butylbenzene	25.0	22.9	22.3	91.4	89.2	72.0 - 126	2.46	20
sec-Butylbenzene	25.0	22.3	21.4	89.1	85.7	74.0 - 121	3.87	20
tert-Butylbenzene	25.0	22.4	21.5	89.6	86.1	75.0 - 122	3.94	20
Carbon disulfide	25.0	25.7	24.2	103	97.0	55.0 - 127	5.78	20
Carbon tetrachloride	25.0	28.9	27.2	116	109	63.0 - 122	6.10	20
Chlorobenzene	25.0	24.3	22.9	97.1	91.6	79.0 - 121	5.80	20
Chlorodibromomethane	25.0	25.0	23.5	100	94.0	75.0 - 125	6.38	20
Chloroethane	25.0	28.2	26.8	113	107	47.0 - 152	5.02	20
Chloroform	25.0	25.6	24.5	103	98.2	72.0 - 121	4.30	20
Chloromethane	25.0	15.7	14.7	62.8	59.0	48.0 - 139	6.21	20
Cyclohexane	25.0	26.2	24.6	105	98.6	70.0 - 130	6.05	20
1,2-Dibromo-3-Chloropropane	25.0	24.9	23.9	99.6	95.6	64.0 - 127	4.18	20
1,2-Dibromoethane	25.0	24.8	23.9	99.1	95.6	77.0 - 123	3.57	20
1,2-Dichlorobenzene	25.0	23.7	22.9	94.8	91.6	80.0 - 120	3.45	20
1,3-Dichlorobenzene	25.0	22.6	22.3	90.4	89.2	72.0 - 123	1.43	20
1,4-Dichlorobenzene	25.0	22.1	21.3	88.4	85.3	77.0 - 120	3.64	20
Dichlorodifluoromethane	25.0	25.7	25.3	103	101	49.0 - 155	1.79	20
1,1-Dichloroethane	25.0	26.7	25.8	107	103	70.0 - 126	3.52	20
1,2-Dichloroethane	25.0	28.1	26.8	112	107	67.0 - 126	4.57	20
1,1-Dichloroethene	25.0	25.1	24.0	100	96.1	64.0 - 129	4.37	20
cis-1,2-Dichloroethene	25.0	25.3	25.3	101	101	73.0 - 120	0.100	20
trans-1,2-Dichloroethene	25.0	26.4	24.8	106	99.2	71.0 - 121	6.25	20
1,2-Dichloropropane	25.0	26.3	24.9	105	99.4	75.0 - 125	5.64	20
cis-1,3-Dichloropropene	25.0	27.9	25.7	111	103	79.0 - 123	7.95	20
trans-1,3-Dichloropropene	25.0	26.9	24.8	108	99.2	74.0 - 127	8.21	20
Ethylbenzene	25.0	23.5	22.4	93.9	89.7	77.0 - 120	4.64	20
2-Hexanone	125	131	125	105	100	58.0 - 147	4.10	20
Isopropylbenzene	25.0	23.0	22.1	91.8	88.4	75.0 - 120	3.74	20
p-Isopropyltoluene	25.0	22.6	22.2	90.5	88.6	74.0 - 126	2.10	20
2-Butanone (MEK)	125	133	129	106	103	37.0 - 158	2.93	20
Methyl Acetate	125	153	145	123	116	70.0 - 130	5.64	20
Methyl Cyclohexane	25.0	24.3	23.2	97.3	92.7	70.0 - 130	4.89	20
Methylene Chloride	25.0	24.5	23.0	98.1	91.8	66.0 - 121	6.55	20
4-Methyl-2-pentanone (MIBK)	125	127	120	102	96.4	59.0 - 143	5.34	20
Methyl tert-butyl ether	25.0	26.2	24.7	105	98.8	64.0 - 123	5.68	20
Naphthalene	25.0	22.2	22.3	88.7	89.1	62.0 - 128	0.420	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

ONE LAB. NATIONWIDE.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
RECOVERY

L930865-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3243882-1
R3243882-2

LCS Sample / File ID:	R3243882-1 / 0821_25a	**SDG:**	L930865
LCSD Sample / File ID:	R3243882-2 / 0821_26	**Analytical Batch:**	WG1012142
Instrument ID:	VOCMS6	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*	*ug/l*	%	%	%	%	%
n-Propylbenzene	25.0	23.6	22.8	94.3	91.2	79.0 - 120	3.32	20
Styrene	25.0	25.9	24.9	104	99.4	78.0 - 124	4.09	20
1,1,2,2-Tetrachloroethane	25.0	24.1	22.8	96.2	91.0	71.0 - 122	5.54	20
Tetrachloroethene	25.0	24.4	22.9	97.5	91.7	70.0 - 127	6.11	20
Toluene	25.0	23.4	22.1	93.5	88.6	77.0 - 120	5.45	20
1,1,2-Trichlorotrifluoroethane	25.0	27.4	25.8	110	103	61.0 - 136	5.89	20
1,2,3-Trichlorobenzene	25.0	21.4	21.4	85.7	85.6	61.0 - 133	0.190	20
1,2,4-Trichlorobenzene	25.0	22.5	22.9	90.1	91.6	69.0 - 129	1.58	20
1,1,1-Trichloroethane	25.0	25.7	24.5	103	97.8	68.0 - 122	4.98	20
1,1,2-Trichloroethane	25.0	23.7	22.6	94.9	90.6	78.0 - 120	4.63	20
Trichloroethene	25.0	26.0	25.0	104	99.8	78.0 - 120	4.22	20
Trichlorofluoromethane	25.0	29.3	27.6	117	111	56.0 - 137	5.81	20
1,2,4-Trimethylbenzene	25.0	22.7	22.0	90.8	87.9	75.0 - 120	3.32	20
1,3,5-Trimethylbenzene	25.0	22.6	22.0	90.4	88.0	75.0 - 120	2.68	20
Vinyl chloride	25.0	26.4	25.5	106	102	64.0 - 133	3.80	20
o-Xylene	25.0	23.6	22.5	94.2	90.2	78.0 - 120	4.39	20
m&p-Xylenes	50.0	47.2	45.0	94.3	90.1	77.0 - 120	4.63	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

ESC Sample ID:	R3243882-3	**SDG:**	L930865
Lab File ID:	0821_28	**Preparation Date/Time:**	08/21/17 17:31
Instrument ID:	VOCMS6	**Analysis Date/Time:**	08/21/17 17:31
Analytical Batch:	WG1012142	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Sample ID	ESC Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3243882-1	VOCMS6	0821_25a	08/21/17 16:31
LCSD	R3243882-2	VOCMS6	0821_26	08/21/17 16:51
DUPE	L930865-01	VOCMS6	0821_42	08/21/17 23:01
GPMW-34	L930865-02	VOCMS6	0821_43	08/21/17 23:21
GPMW-26	L930865-03	VOCMS6	0821_44	08/21/17 23:41
IW-5	L930865-04	VOCMS6	0821_45	08/22/17 00:00
IW-4	L930865-05	VOCMS6	0821_46	08/22/17 00:20
IW-2	L930865-06	VOCMS6	0821_47	08/22/17 00:40
IW-3	L930865-07	VOCMS6	0821_48	08/22/17 01:00
BW-2	L930865-08	VOCMS6	0821_49	08/22/17 01:19
BW-3	L930865-09	VOCMS6	0821_50	08/22/17 01:39
BW-4	L930865-10	VOCMS6	0821_51	08/22/17 01:59
MS	R3243882-4	VOCMS6	0821_52	08/22/17 02:19
MSD	R3243882-5	VOCMS6	0821_53	08/22/17 02:38
BW-4	L930865-10	VOCMS32	0823_32	08/24/17 03:27
OS	L930889-04	VOCMS32	0823_33	08/24/17 03:46
MS	R3244242-1	VOCMS32	0823_34	08/24/17 04:06
MSD	R3244242-2	VOCMS32	0823_35	08/24/17 04:25

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 0817_03-1
Instrument ID: VOCMS6
Analysis Date/Time: 08/17/17 18:05

SDG: L930865
Analytical Method: 8260C

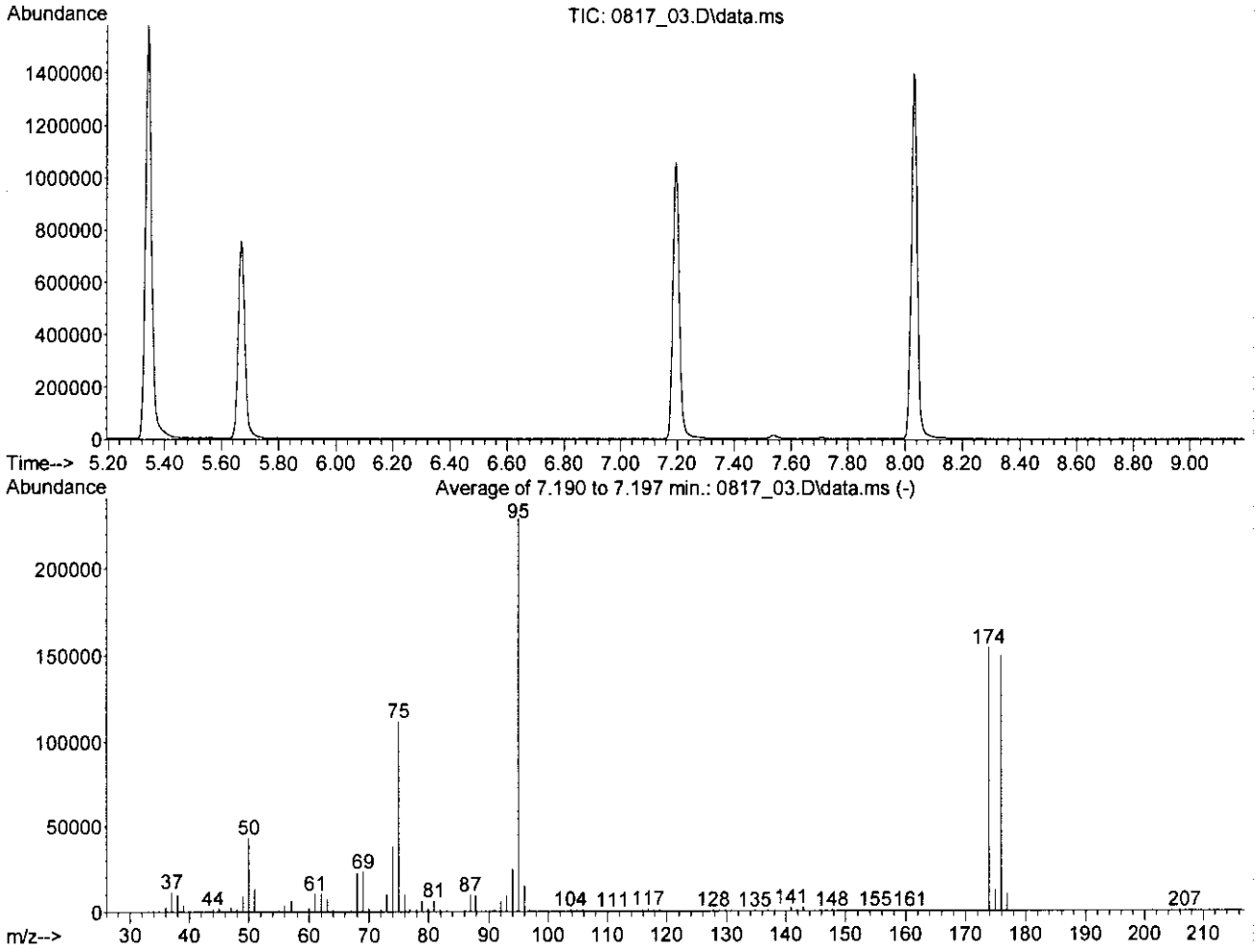
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	0
174	95	50	100	67
175	174	5	9	8
176	174	95	101	97
177	176	5	9	6
50	95	15	40	19
75	95	30	60	49
95	95	100	100	100
96	95	5	9	6

Sample ID	ESC Sample ID	File ID	Analysis date/time
STD-0.25	0.25	0817_04	08/17/17 18:25
STD-0.5	0.5	0817_05	08/17/17 18:45
STD-1	1	0817_06	08/17/17 19:04
STD-2	2	0817_07	08/17/17 19:24
STD-5.0	5.0	0817_08	08/17/17 19:43
STD-10	10	0817_09	08/17/17 20:03
STD-25	25	0817_10	08/17/17 20:23
STD-40	40	0817_11	08/17/17 20:42
STD-75	75	0817_12	08/17/17 21:02
STD-100	100	0817_13	08/17/17 21:22
STD-200	200	0817_14	08/17/17 21:41 ✓

Data Path : C:\msdchem\1\data\081717\
Data File : 0817 03.D
Acq On : 17 Aug 2017 6:05 pm
Operator : 605
Sample : INSTBLK
Misc : water IS/SURR 17H10686
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V806H17Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS06
Last Update : Fri Aug 18 08:53:14 2017



AutoFind: Scans 2208, 2209, 2210; Background Corrected with Scan 2196

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	42995	PASS
75	95	30	60	48.7	111653	PASS
95	95	100	100	100.0	229419	PASS
96	95	5	9	6.4	14778	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.3	154475	PASS
175	174	5	9	7.7	11896	PASS
176	174	95	101	97.0	149909	PASS
177	176	5	9	6.5	9695	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 0821_24T-1
Instrument ID: VOCMS6
Analysis Date/Time: 08/21/17 16:12

SDG: L930865
Analytical Method: 8260C

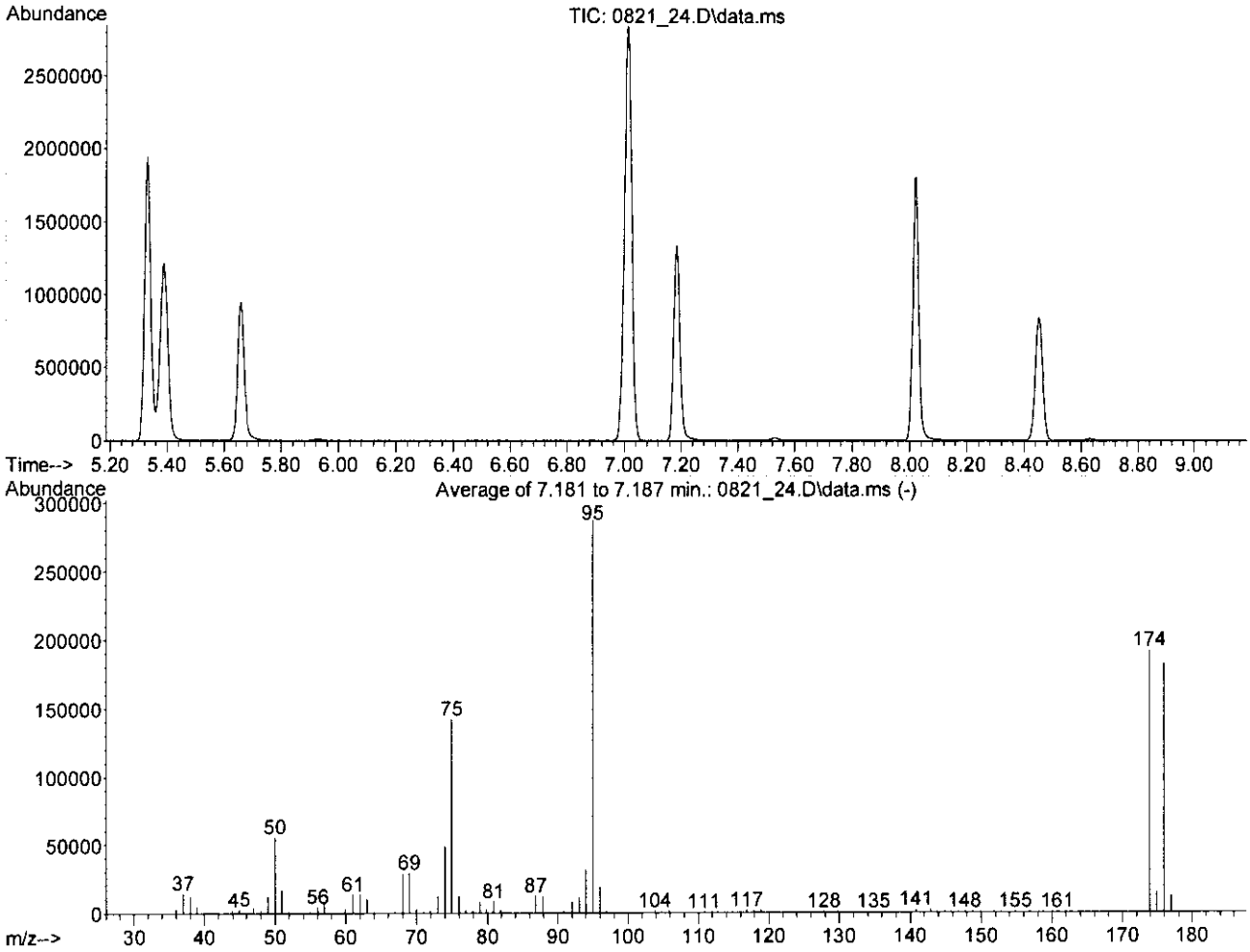
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	0
174	95	50	100	67
175	174	5	9	8
176	174	95	101	95
177	176	5	9	6
50	95	15	40	19
75	95	30	60	50
95	95	100	100	100
96	95	5	9	6

Sample ID	ESC Sample ID	File ID	Analysis date/time
LCS	R3243882-1	0821_25a	08/21/17 16:31
LCSD	R3243882-2	0821_26	08/21/17 16:51
BLANK	R3243882-3	0821_28	08/21/17 17:31
DUPE	L930865-01	0821_42	08/21/17 23:01
GPMW-34	L930865-02	0821_43	08/21/17 23:21
GPMW-26	L930865-03	0821_44	08/21/17 23:41
OS	L930865-04	0821_45	08/22/17 00:00
IW-5	L930865-04	0821_45	08/22/17 00:00
IW-4	L930865-05	0821_46	08/22/17 00:20
IW-2	L930865-06	0821_47	08/22/17 00:40
IW-3	L930865-07	0821_48	08/22/17 01:00
BW-2	L930865-08	0821_49	08/22/17 01:19
BW-3	L930865-09	0821_50	08/22/17 01:39
BW-4	L930865-10	0821_51	08/22/17 01:59
MS	R3243882-4	0821_52	08/22/17 02:19
MSD	R3243882-5	0821_53	08/22/17 02:38 ✓

Data Path : C:\msdchem\1\data\082117\
Data File : 0821 24.D
Acq On : 21 Aug 2017 4:12 pm
Operator : 605
Sample : INSTBLK
Misc : water
ALS Vial : 24 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V806H17Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS06
Last Update : Fri Aug 18 08:53:14 2017



AutoFind: Scans 2205, 2206, 2207; Background Corrected with Scan 2194

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	55099	PASS
75	95	30	60	49.5	142400	PASS
95	95	100	100	100.0	287829	PASS
96	95	5	9	6.5	18811	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.8	192320	PASS
175	174	5	9	7.6	14582	PASS
176	174	95	101	95.1	182827	PASS
177	176	5	9	6.5	11905	PASS

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 0815_06-1
Instrument ID: VOCMS32
Analysis Date/Time: 08/15/17 14:59

SDG: L930865
Analytical Method: 8260C

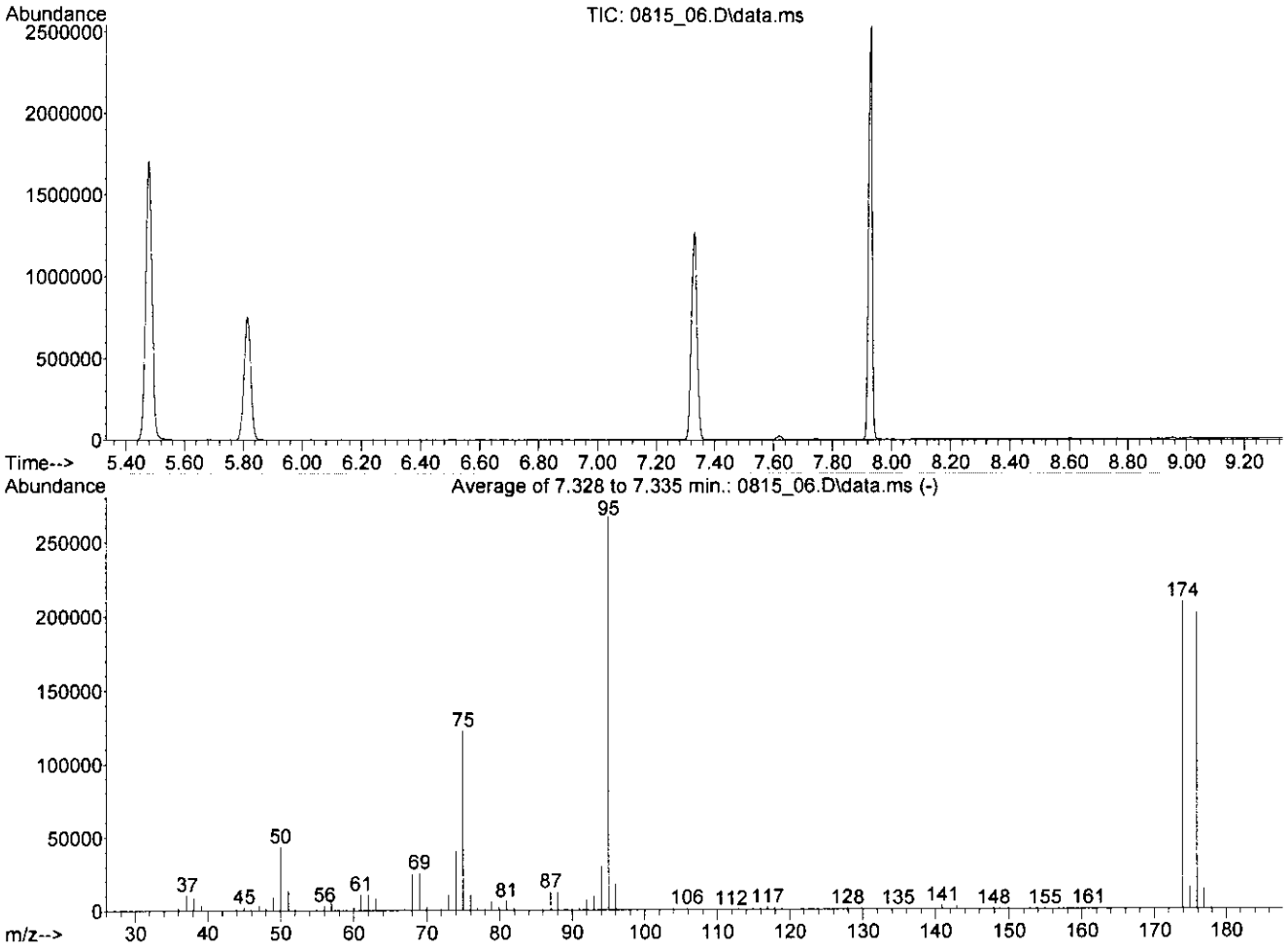
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	0
174	95	50	100	78
175	174	5	9	7
176	174	95	101	97
177	176	5	9	7
50	95	15	40	16
75	95	30	60	46
95	95	100	100	100
96	95	5	9	7

Sample ID	ESC Sample ID	File ID	Analysis date/time
STD-0.25	0.25	0815_08	08/15/17 15:37
STD-0.5	0.5	0815_09	08/15/17 15:57
STD-1	1	0815_10	08/15/17 16:17
STD-2	2	0815_11	08/15/17 16:36
STD-5.0	5.0	0815_12	08/15/17 16:56
STD-10	10	0815_13	08/15/17 17:16
STD-25	25	0815_14	08/15/17 17:35
STD-40	40	0815_15	08/15/17 17:54
STD-75	75	0815_16	08/15/17 18:14
STD-100	100	0815_17	08/15/17 18:33
STD-200	200	0815_18	08/15/17 18:52
STD-5.0	5.0	0815_25	08/15/17 22:01
STD-10	10	0815_26	08/15/17 22:20
STD-25	25	0815_27	08/15/17 22:40
STD-50	50	0815_28	08/15/17 22:59
STD-100	100	0815_29	08/15/17 23:19
STD-200	200	0815_30	08/15/17 23:39
STD-500	500	0815_31	08/15/17 23:59 ✓
STD-1000	1000	0815_32	08/16/17 00:18

Data Path : C:\msdchem\1\data\081517\
Data File : 0815 06.D
Acq On : 15 Aug 2017 2:59 pm
Operator : 605
Sample : INSTBLK
Misc : water
ALS Vial : 6 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V832H15Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS32
Last Update : Wed Aug 16 13:28:14 2017



AutoFind: Scans 2251, 2252, 2253; Background Corrected with Scan 2239

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	43475	PASS
75	95	30	60	45.9	122901	PASS
95	95	100	100	100.0	268011	PASS
96	95	5	9	6.6	17690	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.4	210005	PASS
175	174	5	9	7.2	15161	PASS
176	174	95	101	96.6	202880	PASS
177	176	5	9	6.6	13410	PASS

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
LaBella Associates, P.C.	2161282	L930865	10/02/17 10:52	22 of 436

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 0823_01T-1
Instrument ID: VOCMS32
Analysis Date/Time: 08/23/17 17:20

SDG: L930865
Analytical Method: 8260C

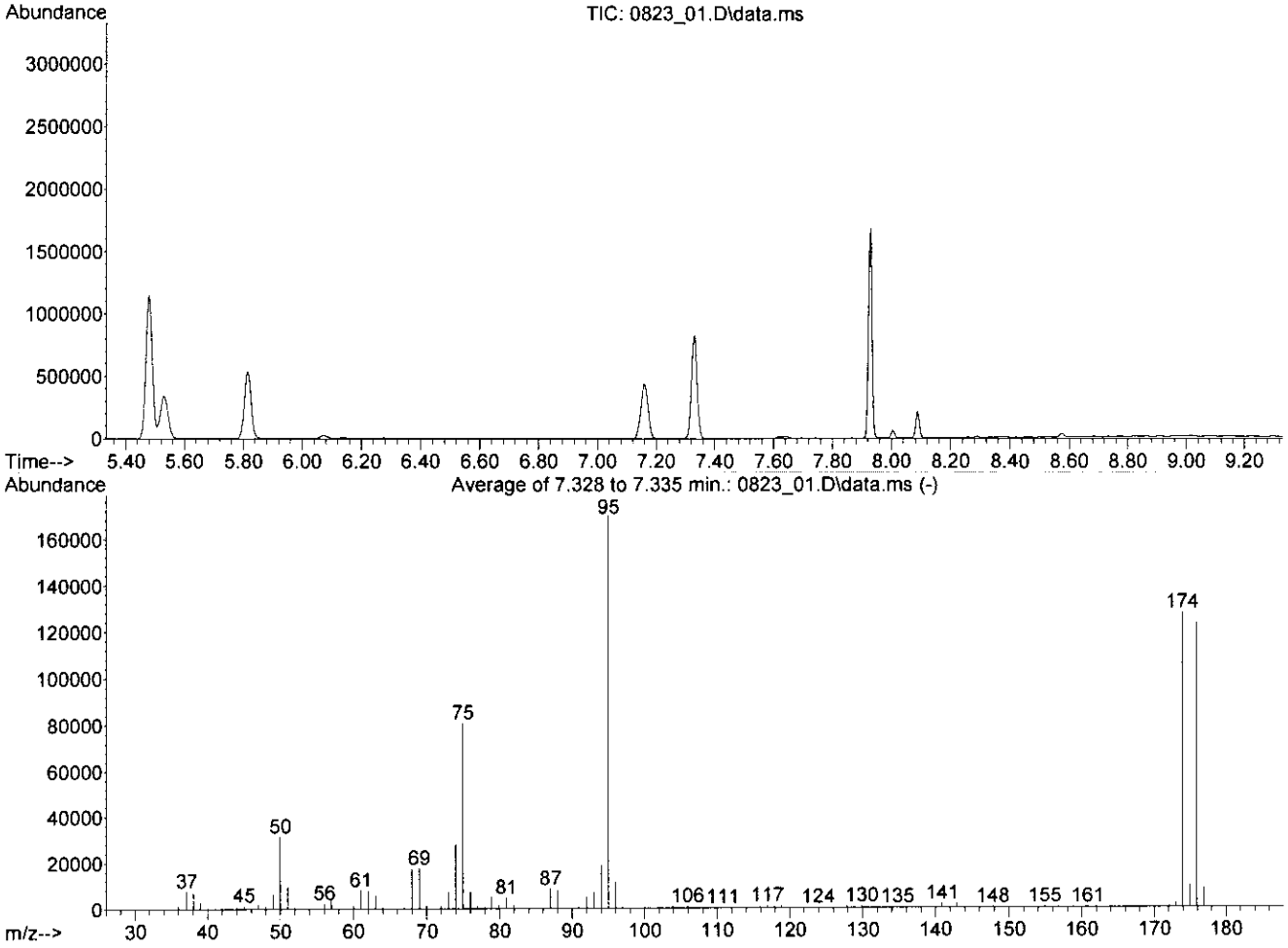
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	1
174	95	50	100	75
175	174	5	9	7
176	174	95	101	96
177	176	5	9	6
50	95	15	40	18
75	95	30	60	47
95	95	100	100	100
96	95	5	9	7

Sample ID	ESC Sample ID	File ID	Analysis date/time
BW-4	L930865-10	0823_32	08/24/17 03:27
OS	L930889-04	0823_33	08/24/17 03:46
MS	R3244242-1	0823_34	08/24/17 04:06
MSD	R3244242-2	0823_35	08/24/17 04:25 ✓

Data Path : C:\msdchem\1\data\082317\
Data File : 0823 01.D
Acq On : 23 Aug 2017 5:20 pm
Operator : 605
Sample : INSTBLK
Misc : water
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V832H15Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS32
Last Update : Wed Aug 16 13:28:14 2017



AutoFind: Scans 2251, 2252, 2253; Background Corrected with Scan 2239

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	31331	PASS
75	95	30	60	47.4	80920	PASS
95	95	100	100	100.0	170539	PASS
96	95	5	9	6.7	11425	PASS
173	174	0.00	2	1.3	1649	PASS
174	95	50	100	75.3	128392	PASS
175	174	5	9	7.4	9480	PASS
176	174	95	101	96.5	123928	PASS
177	176	5	9	6.5	8035	PASS

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L930865	**Analytical Method:**	8260C
Instrument ID:	VOCMS6	**Calibration Start Date:**	08/16/17 04:47
Std File:	0821_25-4	**Calibration End Date:**	08/17/17 21:41
		Std Analysis Date:	08/21/17 16:31

Sample ID	File ID	1,4-DCB		DFB		BCP		PFB	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		391446	8.03	796630	4.52	150647	5.66	391023	4.20
UPPER LIMIT		783000		1590000		301000		782000	
LOWER LIMIT		196000		398000		75300		196000	
LCS R3243882-1 WG1012142 1x	0821_25a	391446 ✓	8.03	796630 ✓	4.52	150647 ✓	5.66	391023 ✓	4.20
LCSD R3243882-2 WG1012142 1x	0821_26	400815	8.03	821159	4.52	156979	5.67	403062	4.20
BLANK R3243882-3 WG1012142 1x	0821_28	373544	8.03	803748	4.52	152194	5.67	397351	4.21
L930865-01 WG1012142 1x	0821_42	368461	8.03	790949	4.52	145978	5.67	384660	4.20
L930865-02 WG1012142 1x	0821_43	361125	8.02	775066	4.52	144648	5.66	381971	4.20
L930865-03 WG1012142 1x	0821_44	354099	8.03	749437	4.52	139719	5.66	371256	4.20
L930865-04 WG1012142 1x	0821_45	353680	8.03	758337	4.52	143103	5.67	370919	4.20
OS L930865-04 WG1012142 1x	0821_45	353680	8.03	758337	4.52	143103	5.67	370919	4.20
L930865-05 WG1012142 1x	0821_46	353055	8.02	761753	4.52	144565	5.66	371351	4.20
L930865-06 WG1012142 1x	0821_47	367033	8.03	789552	4.52	146079	5.67	388799	4.20
L930865-07 WG1012142 1x	0821_48	359778	8.02	810200	4.52	148578	5.66	386821	4.20
L930865-08 WG1012142 1x	0821_49	378185	8.03	788273	4.52	149277	5.67	387936	4.20
L930865-09 WG1012142 1x	0821_50	350862	8.02	776217	4.52	146380	5.66	375501	4.20
L930865-10 WG1012142 1x	0821_51	357761	8.03	763308	4.53	143211	5.67	379800	4.21
MS R3243882-4 WG1012142 1x	0821_52	392763	8.02	790754	4.52	152443	5.66	386534	4.20
MSD R3243882-5 WG1012142 1x	0821_53	421066	8.03	845465	4.52	161283	5.67	411940	4.20

1,4-DCB - 8260-1,4-DICHLOROBENZENE-D4 DFB - 8260-1,4-DIFLUOROBENZENE
BCP - 8260-2-BROMO-1-CHLOROPROPANE PFB - 8260-PENTAFLUOROBENZENE

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L930865	**Analytical Method:**	8260C
Instrument ID:	VOCMS32	**Calibration Start Date:**	07/20/17 01:57
Std File:	0823_02-1	**Calibration End Date:**	08/16/17 00:18
		Std Analysis Date:	08/23/17 17:40

Sample ID	File ID	1,4-DCB		DFB		BCP		PFB	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		246292	7.93	627284	4.66	104053	5.82	345142	4.33
UPPER LIMIT		493000		1250000		208000		690000	
LOWER LIMIT		123000		314000		52000		173000	
L930865-10 WG1012142 5x	0823_32	223434 ✓	7.93	604651 ✓	4.65	93136 ✓	5.81	337778 ✓	4.33
OS L930889-04 WG1012142 1x	0823_33	218420	7.93	618494	4.65	95318	5.81	343883	4.33
MS R3244242-1 WG1012142 1x	0823_34	221279	7.93	591270	4.66	93466	5.82	325305	4.33
MSD R3244242-2 WG1012142 1x	0823_35	223331	7.93	614219	4.66	97341	5.82	341999	4.33

1,4-DCB - 8260-1,4-DICHLOROBENZENE-D4 DFB - 8260-1,4-DIFLUOROBENZENE
BCP - 8260-2-BROMO-1-CHLOROPROPANE PFB - 8260-PENTAFLUOROBENZENE

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DATA USABILITY SUMMARY REPORT

for

LABELLA ASSOCIATES, P.C.

300 State Street

Rochester, NY 14614

MICHELSON BCP SITE
Project 214539
Aqueous Samples
SDG: L954646
Sampled December 2017

VOLATILE ORGANICS

DUPE	(L954646-01)	GPMW-26	(L954646-02)
GPMW-34	(L954646-03)	IW-2	(L954646-04)
IW-3	(L954646-05)	BW-4	(L954646-06)
BW-3	(L954646-07)	BW-2	(L954646-08)
IW-5	(L954646-09)	IW-4	(L954646-10)

DATA ASSESSMENT

An ASP Category B data package containing analytical results for ten aqueous samples was received from Labella Associates, P.C. on 19Apr18. The deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Michelson BCP Site, were identified by Chain of Custody documents and traceable through the work of ESC Lab Sciences, the laboratory contracted for analysis. Analyses, performed according to SW-846 Method 8260, addressed determinations of volatile organics. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation) was used as a technical reference.

The bromomethane results from this project have been qualified as estimations due to poor calibration performance, low spiked sample recoveries, and a low spiked blank result.

CORRECTNESS AND USABILITY

The data package supporting the results from this group of samples was found to be complete and well organized. Reported data is felt to be completely usable in its present form. Data presenting a usable estimation of the conditions being measured has been flagged "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed strict QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: James B. Baldwin Date: 20 Apr 18

James B. Baldwin
DATAVAL Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the time of sample collection. Samples must remain chilled to 4±2°C between the time of collection and the time of analysis. Acid preserved VOC samples must be analyzed within 14 days, unpreserved VOC samples within 7 days. The holding time for VOC soils is 14 days. Aqueous semivolatile organics, pesticide and PCB samples must be extracted within seven days of collection. Soils must be extracted within 14 days. The extracts must then be analyzed within forty days of extraction. The holding times for cyanide and mercury samples are 14 and 28 days, respectively. Metals samples must be analyzed within six months.

This delivery group contained ten aqueous samples that were collected from the Michelson BCP Site and shipped to the laboratory, via FedEx, on 01Dec17. The shipment was received the following morning. At the time of receipt, the cooler of samples was found to be intact and properly chilled, with custody seals in place. A cooler temperature of 4.9°C was recorded in the laboratory.

Proper sample preservation was documented in the field custody record and verified in the laboratory. At the time of analysis a pH<2 was obtained from each program sample.

VOLATILE ORGANICS

This group of acid preserved samples was analyzed for volatile organics between 04Dec17 and 07Dec17. The SW-846 holding time requirements were satisfied.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Two method blanks were analyzed with this group of samples. Both of these blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

MS Tuning

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence that included samples from this

program. An Instrument Performance Check Form is present for each BFB evaluation. The BFB tunes associated with this group of samples satisfied the program acceptance criteria.

Calibrations

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

Initial instrument calibrations for VOC were performed on 31Oct17 and 24Nov17. Standards of 0.25, 0.5, 1.0, 2.0, 5.0, 25, 75, 100 and 200 µg/l were included. Each analyte targeted by this program produced the required levels of instrument response and demonstrated an acceptable degree of linearity during both calibrations.

Calibration check standards were analyzed on 03Dec17 and 06Dec17, prior to the 12-hour periods of instrument operation that included samples from this program. When compared to the initial calibrations, an unacceptable shift was observed in the instrument response of bromomethane (64%) on 03Dec17. The bromomethane results from this delivery group have been qualified as estimations based on this performance.

Surrogates

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the ASP requirements, acceptable recoveries were reported for each surrogate addition to this group of samples.

Internal Standards

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, acceptable performance was reported for the internal standard additions to each program sample.

Matrix Spikes

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

BW-4 was selected for matrix spiking. The entire list of targeted analytes was added to two aliquots of this sample. The recoveries reported for these spikes included low results for bromomethane (36%,39%). The bromomethane result from BW-4 has been qualified as an estimation based on these indications of negative bias. The remaining analytes demonstrated acceptable levels of measurement precision and accuracy.

Recoveries were also reported for spikes to a sample from an unrelated program. This information was not considered relevant because recoveries from a program sample were available.

Two spiked blanks (LCS) were also analyzed with this group of samples. The recoveries reported from these LCS samples included a single low bromomethane result of 34%. The bromomethane results from this delivery group have been qualified as estimations based on this performance.

Duplicates

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

The field split duplicate sample that was included in this delivery group was not identified.

Reported Analytes

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Reference mass spectra were provided to confirm the identification of each analyte that was found in this group of samples. Tentatively Identified Compounds (TIC) were not reported.

SUMMARY OF QUALIFIED DATA

MICHELSON BCP SITE

SAMPLED: December 2017

	CALIBRATE BROMOMETHANE	SAMPLE SPIKE BROMOMETHANE	BLANK SPIKE BROMOMETHANE
DUPE (L954646-01)	5.00UJ	5.00UJ	5.00UJ
GPMW-26 (L954646-02)	5.00UJ	5.00UJ	5.00UJ
GPMW-34 (L954646-03)	5.00UJ	5.00UJ	5.00UJ
IW-2 (L954646-04)	5.00UJ	5.00UJ	5.00UJ
IW-3 (L954646-05)	5.00UJ	5.00UJ	5.00UJ
BW-4 (L954646-06)	5.00UJ	5.00UJ	5.00UJ
BW-3 (L954646-07)	5.00UJ	5.00UJ	5.00UJ
BW-2 (L954646-08)	5.00UJ	5.00UJ	5.00UJ
IW-5 (L954646-09)	5.00UJ	5.00UJ	5.00UJ
IW-4 (L954646-10)	5.00UJ	5.00UJ	5.00UJ

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-01	**SDG:**	L954646
Client Sample ID:	DUPE	**Collected Date/Time:**	12/01/17 00:00
Lab File ID:	1203_53	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCM57	**Preparation Date/Time:**	12/04/17 02:06
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 02:06
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.08	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
DUPE

ESC Sample ID:	L954646-01	**SDG:**	L954646
Client Sample ID:	DUPE	**Collected Date/Time:**	12/01/17 00:00
Lab File ID:	1203_53	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 02:06
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 02:06
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	ND		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-02	**SDG:**	L954646
Client Sample ID:	GPMW-26	**Collected Date/Time:**	12/01/17 12:30
Lab File ID:	1203_54	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 02:25
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 02:25
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.08	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene ~	156-59-2	3.79	1.25		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene —	127-18-4	5.69	3.01		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-02	**SDG:**	L954646
Client Sample ID:	GPMW-26	**Collected Date/Time:**	12/01/17 12:30
Lab File ID:	1203_54	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 02:25
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 02:25
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	35.9		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-03	**SDG:**	L954646
Client Sample ID:	GPMW-34	**Collected Date/Time:**	12/01/17 12:45
Lab File ID:	1203_55	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 02:44
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 02:44
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	0	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	3.93	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.69	9.21		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
GPMW-34

ESC Sample ID:	L954646-03	**SDG:**	L954646
Client Sample ID:	GPMW-34	**Collected Date/Time:**	12/01/17 12:45
Lab File ID:	1203_55	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 02:44
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 02:44
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-03	**SDG:**	L954646
Client Sample ID:	GPMW-34	**Collected Date/Time:**	12/01/17 12:45
Lab File ID:	1206_35	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS20	**Preparation Date/Time:**	12/07/17 00:29
Analytical Batch:	WG1050500	**Analysis Date/Time:**	12/07/17 00:29
Dilution Factor:	10	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Trichloroethene	79-01-6	4.57	508		3.98	10.0

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: IW-2

ESC Sample ID:	L954646-04	**SDG:**	L954646
Client Sample ID:	IW-2	**Collected Date/Time:**	12/01/17 13:15
Lab File ID:	1203_56	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 03:03
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 03:03
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	0	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	3.49	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	2.69	2.76		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	30.5		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.69	1.77		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-04	**SDG:**	L954646
Client Sample ID:	IW-2	**Collected Date/Time:**	12/01/17 13:15
Lab File ID:	1203_56	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 03:03
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 03:03
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	4.06	28.4		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	94.2		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-3

ESC Sample ID:	L954646-05	**SDG:**	L954646
Client Sample ID:	IW-3	**Collected Date/Time:**	12/01/17 13:25
Lab File ID:	1203_57	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 03:23
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 03:23
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	0	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ U	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-05	**SDG:**	L954646
Client Sample ID:	IW-3	**Collected Date/Time:**	12/01/17 13:25
Lab File ID:	1203_57	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 03:23
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 03:23
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.58	1.41		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-4

ESC Sample ID:	L954646-06	**SDG:**	L954646
Client Sample ID:	BW-4	**Collected Date/Time:**	12/01/17 13:35
Lab File ID:	1203_58	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 03:42
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 03:42
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	0	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	177	V	0.260	1.00
trans-1,2-Dichloroethene	156-60-5	3.14	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-4

ESC Sample ID:	L954646-06	**SDG:**	L954646
Client Sample ID:	BW-4	**Collected Date/Time:**	12/01/17 13:35
Lab File ID:	1203_58	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 03:42
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 03:42
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	7.71		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	1.91	1.22		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-07	**SDG:**	L954646
Client Sample ID:	BW-3	**Collected Date/Time:**	12/01/17 13:45
Lab File ID:	1203_59	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:01
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:01
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.08	ND	J0	10.0	50.0
Benzene	71-43-2	4.27	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	2.70	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	56.8		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	3.14	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.69	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
BW-3

ESC Sample ID:	L954646-07	**SDG:**	L954646
Client Sample ID:	BW-3	**Collected Date/Time:**	12/01/17 13:45
Lab File ID:	1203_59	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:01
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:01
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	71.0		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	1.90	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: BW-2

ESC Sample ID:	L954646-08	**SDG:**	L954646
Client Sample ID:	BW-2	**Collected Date/Time:**	12/01/17 14:00
Lab File ID:	1203_60	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:20
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:20
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	0	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	0	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-08	**SDG:**	L954646
Client Sample ID:	BW-2	**Collected Date/Time:**	12/01/17 14:00
Lab File ID:	1203_60	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:20
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:20
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.58	1.36		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-09	**SDG:**	L954646
Client Sample ID:	IW-5	**Collected Date/Time:**	12/01/17 14:15
Lab File ID:	1203_61	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:40
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:40
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	3.07	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.79	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene	127-18-4	5.69	ND		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-5

ESC Sample ID:	L954646-09	**SDG:**	L954646
Client Sample ID:	IW-5	**Collected Date/Time:**	12/01/17 14:15
Lab File ID:	1203_61	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:40
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:40
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	ND		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

ESC Sample ID:	L954646-10	**SDG:**	L954646
Client Sample ID:	IW-4	**Collected Date/Time:**	12/01/17 14:30
Lab File ID:	1203_62	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:59
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:59
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
Acetone	67-64-1	0	ND	J0	10.0	50.0
Benzene	71-43-2	0	ND		0.331	1.00
Bromochloromethane	74-97-5	0	ND		0.520	1.00
Bromodichloromethane	75-27-4	0	ND		0.380	1.00
Bromoform	75-25-2	0	ND		0.469	1.00
Bromomethane	74-83-9	0	~~ND~~ UJ	J0	0.866	5.00
Carbon disulfide	75-15-0	0	ND		0.275	1.00
Carbon tetrachloride	56-23-5	0	ND		0.379	1.00
Chlorobenzene	108-90-7	0	ND		0.348	1.00
Chlorodibromomethane	124-48-1	0	ND		0.327	1.00
Chloroethane	75-00-3	0	ND		0.453	5.00
Chloroform	67-66-3	0	ND		0.324	5.00
Chloromethane	74-87-3	0	ND	J0	0.276	2.50
Cyclohexane	110-82-7	0	ND		0.390	1.00
1,2-Dibromo-3-Chloropropane	96-12-8	0	ND		1.33	5.00
1,2-Dibromoethane	106-93-4	0	ND		0.381	1.00
1,2-Dichlorobenzene	95-50-1	0	ND		0.349	1.00
1,3-Dichlorobenzene	541-73-1	0	ND		0.220	1.00
1,4-Dichlorobenzene	106-46-7	0	ND		0.274	1.00
Dichlorodifluoromethane	75-71-8	0	ND		0.551	5.00
1,1-Dichloroethane	75-34-3	0	ND		0.259	1.00
1,2-Dichloroethane	107-06-2	0	ND		0.361	1.00
1,1-Dichloroethene	75-35-4	0	ND		0.398	1.00
cis-1,2-Dichloroethene	156-59-2	3.80	ND		0.260	1.00
trans-1,2-Dichloroethene	156-60-5	0	ND		0.396	1.00
1,2-Dichloropropane	78-87-5	0	ND		0.306	1.00
cis-1,3-Dichloropropene	10061-01-5	0	ND		0.418	1.00
trans-1,3-Dichloropropene	10061-02-6	0	ND		0.419	1.00
Ethylbenzene	100-41-4	0	ND		0.384	1.00
2-Hexanone	591-78-6	0	ND		3.82	10.0
Isopropylbenzene	98-82-8	0	ND		0.326	1.00
2-Butanone (MEK)	78-93-3	0	ND		3.93	10.0
Methyl Acetate	79-20-9	0	ND		4.30	20.0
Methyl Cyclohexane	108-87-2	0	ND		0.380	1.00
Methylene Chloride	75-09-2	0	ND		1.00	5.00
4-Methyl-2-pentanone (MIBK)	108-10-1	0	ND		2.14	10.0
Methyl tert-butyl ether	1634-04-4	0	ND		0.367	1.00
Naphthalene	91-20-3	0	ND	J0	1.00	5.00
Styrene	100-42-5	0	ND		0.307	1.00
1,1,2,2-Tetrachloroethane	79-34-5	0	ND		0.130	1.00
Tetrachloroethene —	127-18-4	5.69	4.22		0.372	1.00
Toluene	108-88-3	0	ND		0.412	1.00
1,2,3-Trichlorobenzene	87-61-6	0	ND		0.230	1.00

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:
IW-4

ESC Sample ID:	L954646-10	**SDG:**	L954646
Client Sample ID:	IW-4	**Collected Date/Time:**	12/01/17 14:30
Lab File ID:	1203_62	**Received Date/Time:**	12/02/17 08:45
Instrument ID:	VOCMS7	**Preparation Date/Time:**	12/04/17 04:59
Analytical Batch:	WG1048987	**Analysis Date/Time:**	12/04/17 04:59
Dilution Factor:	1	**Prep Method:**	8260C
Analytical Method:	8260C	**Sample Vol Used:**	5 mL
Matrix:	GW	**Initial Wt/Vol:**	
Total Solids (%):		**Final Wt/Vol:**	5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			ug/l		*ug/l*	*ug/l*
1,2,4-Trichlorobenzene	120-82-1	0	ND		0.355	1.00
1,1,1-Trichloroethane	71-55-6	0	ND		0.319	1.00
1,1,2-Trichloroethane	79-00-5	0	ND		0.383	1.00
Trichloroethene	79-01-6	4.59	9.09		0.398	1.00
Trichlorofluoromethane	75-69-4	0	ND		1.20	5.00
1,1,2-Trichlorotrifluoroethane	76-13-1	0	ND		0.303	1.00
Vinyl chloride	75-01-4	0	ND		0.259	1.00
o-Xylene	95-47-6	0	ND		0.341	1.00
m&p-Xylenes	1330-20-7	0	ND		0.719	2.00
n-Butylbenzene	104-51-8	0	ND		0.361	1.00
sec-Butylbenzene	135-98-8	0	ND		0.365	1.00
tert-Butylbenzene	98-06-6	0	ND		0.399	1.00
1,2,4-Trimethylbenzene	95-63-6	0	ND		0.373	1.00
1,3,5-Trimethylbenzene	108-67-8	0	ND		0.387	1.00
n-Propylbenzene	103-65-1	0	ND		0.349	1.00
p-Isopropyltoluene	99-87-6	0	ND		0.350	1.00

2A-OR

SURROGATE RECOVERY

Analytical Method: 8260C **SDG:** L954646
Matrix: GW

Sample ID	ESC Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	TOT Out
				% Rec.	% Rec.	% Rec.	% Rec.	
DUPE	L954646-01	VOCMS7	1203_53	108	90.9	102	107	0
GPMW-26	L954646-02	VOCMS7	1203_54	107	90.6	102	108	0
GPMW-34	L954646-03	VOCMS7	1203_55	106	90.8	102	110	0
GPMW-34	L954646-03	VOCMS20	1206_35	101	96.8	102	98.4	0
IW-2	L954646-04	VOCMS7	1203_56	109	91.6	103	110	0
IW-3	L954646-05	VOCMS7	1203_57	108	90.3	102	106	0
BW-4	L954646-06	VOCMS7	1203_58	107	89.7	102	104	0
BW-3	L954646-07	VOCMS7	1203_59	107	89.3	100	105	0
BW-2	L954646-08	VOCMS7	1203_60	107	91.7	103	107	0
IW-5	L954646-09	VOCMS7	1203_61	109	91.7	101	108	0
IW-4	L954646-10	VOCMS7	1203_62	105	89.7	104	105	0
MS	R3270897-4	VOCMS7	1203_65	108	88.9	102	109	0
MSD	R3270897-5	VOCMS7	1203_66	105	89.9	102	110	0
BLANK	R3271273-2	VOCMS20	1206_33	102	96.0	99.6	96.8	0
BLANK	R3270897-3	VOCMS7	1203_44	108	89.3	101	106	0
LCS	R3271273-1	VOCMS20	1206_30	99.6	99.6	98.8	97.6	0
LCS	R3270897-1	VOCMS7	1203_39	107	87.4	102	107	0
MS	R3271273-3	VOCMS20	1206_54	101	99.4	101	96.5	0
MSD	R3271273-4	VOCMS20	1206_55	102	99.0	102	99.9	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	Toluene-d8	80.0 - 120
DMC-2	Dibromofluoromethane	76.0 - 123
DMC-3	a,a,a-Trifluorotoluene	80.0 - 120
DMC-4	4-Bromofluorobenzene	80.0 - 120

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

3A-OR

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L954646-03

SAMPLE NO.:
R3271273-3
R3271273-4

MS Sample / File ID:	R3271273-3 / 1206_54	**SDG:**	L954646
MSD Sample / File ID:	R3271273-4 / 1206_55	**Analytical Batch:**	WG1050500
OS Sample / File ID:	L955542-24 / 1206_50	**Matrix:**	GW
Instrument ID:	VOCMS20		
Analytical Method:	8260C non-program sample		

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*	*ug/l*	*ug/l*	%	%		%	%	%
Trichloroethene	25.0	13.1	36.9	38.2	95.2 ✓	100 ✓	1	32.0 - 156	3.30	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

ONE LAB. NATIONWIDE.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L954646-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3270897-4
R3270897-5

MS Sample / File ID: R3270897-4 / 1203_65
MSD Sample / File ID: R3270897-5 / 1203_66
OS Sample / File ID: L954646-06 / 1203_58
Instrument ID: VOCMS7
Analytical Method: 8260C

SDG: L954646
Analytical Batch: WG1048987
Matrix: GW

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	ug/l	ug/l	ug/l	%	%		%	%	%
Acetone	125	ND	84.4	88.4	67.5	70.7	1	10.0 - 139	4.63	25
Benzene	25.0	ND	22.6	24.3	90.5	97.2	1	34.0 - 147	7.10	20
Bromodichloromethane	25.0	ND	23.7	24.8	94.8	99.3	1	52.0 - 135	4.62	20
Bromochloromethane	25.0	ND	25.5	27.0	102	108	1	53.0 - 138	5.83	20
Bromoform	25.0	ND	25.4	28.0	102	112	1	50.0 - 146	9.64	20
Bromomethane	25.0	ND	9.08	9.70	36.3	38.8	1	10.0 - 160	6.54	23
n-Butylbenzene	25.0	ND	26.9	29.9	108	120	1	50.0 - 144	10.5	20
sec-Butylbenzene	25.0	ND	28.4	30.7	114	123	1	48.0 - 143	7.74	20
tert-Butylbenzene	25.0	ND	27.1	28.7	108	115	1	50.0 - 142	5.63	20
Carbon disulfide	25.0	ND	22.3	23.5	89.4	94.1	1	10.0 - 147	5.12	20
Carbon tetrachloride	25.0	ND	24.2	25.4	96.7	102	1	41.0 - 138	4.96	20
Chlorobenzene	25.0	ND	27.0	27.8	108	111	1	52.0 - 141	3.09	20
Chlorodibromomethane	25.0	ND	26.0	27.1	104	108	1	54.0 - 142	3.98	20
Chloroethane	25.0	ND	21.0	21.6	84.0	86.3	1	23.0 - 160	2.65	20
Chloroform	25.0	ND	23.7	24.6	94.7	98.4	1	50.0 - 139	3.82	20
Chloromethane	25.0	ND	18.5	19.8	74.2	79.2	1	14.0 - 151	6.56	20
Cyclohexane	25.0	ND	24.7	25.8	98.7	103	1	70.0 - 130	4.41	20
1,2-Dibromo-3-Chloropropane	25.0	ND	19.7	23.1	78.9	92.5	1	49.0 - 144	15.8	24
1,2-Dibromoethane	25.0	ND	25.3	26.3	101	105	1	54.0 - 140	3.70	20
1,2-Dichlorobenzene	25.0	ND	24.7	25.9	98.9	104	1	56.0 - 139	4.74	20
1,3-Dichlorobenzene	25.0	ND	25.3	26.7	101	107	1	50.0 - 141	5.45	20
1,4-Dichlorobenzene	25.0	ND	24.4	26.3	97.4	105	1	53.0 - 136	7.60	20
Dichlorodifluoromethane	25.0	ND	25.1	26.3	100	105	1	20.0 - 160	4.56	21
1,1-Dichloroethane	25.0	ND	24.1	25.1	96.4	100	1	47.0 - 143	3.96	20
1,2-Dichloroethane	25.0	ND	22.4	23.1	89.5	92.4	1	47.0 - 141	3.13	20
1,1-Dichloroethene	25.0	ND	26.0	28.0	104	112	1	31.0 - 148	7.53	20
cis-1,2-Dichloroethene	25.0	177	188	179	44.2	9.98*	1	43.0 - 142	4.66	20
trans-1,2-Dichloroethene	25.0	ND	23.8	25.1	95.3	100	1	36.0 - 141	5.05	20
1,2-Dichloropropane	25.0	ND	24.3	25.8	97.1	103	1	51.0 - 141	6.13	20
cis-1,3-Dichloropropene	25.0	ND	24.6	25.2	98.5	101	1	53.0 - 139	2.15	20
trans-1,3-Dichloropropene	25.0	ND	23.9	24.6	95.5	98.3	1	51.0 - 143	2.91	20
Ethylbenzene	25.0	ND	27.2	27.9	109	112	1	42.0 - 147	2.65	20
2-Hexanone	125	ND	126	129	101	103	1	36.0 - 145	2.60	23
Isopropylbenzene	25.0	ND	29.3	31.3	117	125	1	48.0 - 141	6.61	20
p-Isopropyltoluene	25.0	ND	28.6	31.3	114	125	1	49.0 - 146	9.05	20
2-Butanone (MEK)	125	ND	102	107	81.7	85.7	1	12.0 - 149	4.80	24
Methyl Acetate	125	ND	98.8	104	79.0	83.0	1	70.0 - 130	4.91	20.8
Methyl Cyclohexane	25.0	ND	28.5	29.8	114	119	1	70.0 - 130	4.47	20.8
Methylene Chloride	25.0	ND	21.4	22.2	85.4	88.6	1	42.0 - 135	3.65	20
4-Methyl-2-pentanone (MIBK)	125	ND	118	121	94.0	96.4	1	44.0 - 160	2.49	22
Methyl tert-butyl ether	25.0	ND	21.9	23.1	87.6	92.6	1	42.0 - 142	5.52	20
Naphthalene	25.0	ND	16.3	19.0	65.2	76.0	1	42.0 - 146	15.3	24
n-Propylbenzene	25.0	ND	28.4	30.1	113	121	1	47.0 - 144	6.10	20

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

3A-OR

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

L954646-01,02,03,04,05,06,07,08,09,10

SAMPLE NO.:
R3270897-4
R3270897-5

MS Sample / File ID: R3270897-4 / 1203_65
MSD Sample / File ID: R3270897-5 / 1203_66
OS Sample / File ID: L954646-06 / 1203_58
Instrument ID: VOCMS7
Analytical Method: 8260C

SDG: L954646
Analytical Batch: WG1048987
Matrix: GW

Analyte	Spike Amount	OS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*	*ug/l*	*ug/l*	%	%		%	%	%
Styrene	25.0	ND	27.3	29.4	109	117	1	47.0 - 147	7.23	20
1,1,2,2-Tetrachloroethane	25.0	ND	24.4	26.4	97.6	106	1	46.0 - 149	7.88	20
Tetrachloroethene	25.0	ND	29.3	29.8	117	119	1	38.0 - 147	1.75	20
Toluene	25.0	ND	26.7	27.2	107	109	1	42.0 - 141	2.04	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	25.7	27.1	103	108	1	40.0 - 151	5.15	21
1,2,3-Trichlorobenzene	25.0	ND	20.6	24.0	82.6	96.1	1	45.0 - 145	15.2	22
1,2,4-Trichlorobenzene	25.0	ND	23.9	27.2	95.7	109	1	49.0 - 147	12.6	21
1,1,1-Trichloroethane	25.0	ND	24.7	25.5	98.9	102	1	46.0 - 140	3.27	20
1,1,2-Trichloroethane	25.0	ND	26.5	26.7	106	107	1	54.0 - 139	0.755	20
Trichloroethene	25.0	7.71	31.9	32.3	96.6	98.4	1	32.0 - 156	1.41	20
Trichlorofluoromethane	25.0	ND	25.2	26.2	101	105	1	32.0 - 152	4.09	20
1,2,4-Trimethylbenzene	25.0	ND	25.9	28.0	103	112	1	41.0 - 146	8.00	20
1,3,5-Trimethylbenzene	25.0	ND	26.2	28.9	105	116	1	44.0 - 143	9.72	20
Vinyl chloride	25.0	1.22	24.6	25.6	93.3	97.6	1	24.0 - 153	4.25	20
o-Xylene	25.0	ND	26.4	27.2	106	109	1	44.0 - 146	3.06	20
m&p-Xylenes	50.0	ND	54.7	56.2	109	112	1	41.0 - 147	2.78	20

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

ONE LAB. NATIONWIDE.

SAMPLE NO.:
R3271273-1

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
RECOVERY
L954646-03

LCS Sample / File ID:	R3271273-1 / 1206_30	**SDG:**	L954646
LCSD Sample / File ID:		**Analytical Batch:**	WG1050500
Instrument ID:	VOCMS20	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*		%	%	%	%	%
Trichloroethene	25.0	26.9		107 ✓		78.0 - 120		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

3B-OR

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
RECOVERY

SAMPLE NO.: R3270897-1

L954646-01,02,03,04,05,06,07,08,09,10

LCS Sample / File ID:	R3270897-1 / 1203_39	**SDG:**	L954646
LCSD Sample / File ID:	_____	**Analytical Batch:**	WG1048987
Instrument ID:	VOCMS7	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*		%	%	%	%	%
Acetone	125	86.3		69.1		10.0 - 160		
Benzene	25.0	22.0		88.0		69.0 - 123		
Bromodichloromethane	25.0	23.3		93.1		76.0 - 120		
Bromochloromethane	25.0	25.6		102		76.0 - 122		
Bromoform	25.0	26.4		105		67.0 - 132		
Bromomethane	25.0	8.61		34.4 *		18.0 - 160		
n-Butylbenzene	25.0	25.9		104		72.0 - 126		
sec-Butylbenzene	25.0	27.0		108		74.0 - 121		
tert-Butylbenzene	25.0	26.0		104		75.0 - 122		
Carbon disulfide	25.0	21.6		86.5		55.0 - 127		
Carbon tetrachloride	25.0	22.1		88.2		63.0 - 122		
Chlorobenzene	25.0	25.8		103		79.0 - 121		
Chlorodibromomethane	25.0	25.9		104		75.0 - 125		
Chloroethane	25.0	19.9		79.7		47.0 - 152		
Chloroform	25.0	22.2		88.6		72.0 - 121		
Chloromethane	25.0	18.4		73.4		48.0 - 139		
Cyclohexane	25.0	22.8		91.3		70.0 - 130		
1,2-Dibromo-3-Chloropropane	25.0	21.8		87.3		64.0 - 127		
1,2-Dibromoethane	25.0	25.6		102		77.0 - 123		
1,2-Dichlorobenzene	25.0	25.0		99.9		80.0 - 120		
1,3-Dichlorobenzene	25.0	25.2		101		72.0 - 123		
1,4-Dichlorobenzene	25.0	24.2		96.8		77.0 - 120		
Dichlorodifluoromethane	25.0	24.2		96.6		49.0 - 155		
1,1-Dichloroethane	25.0	22.5		90.2		70.0 - 126		
1,2-Dichloroethane	25.0	22.3		89.0		67.0 - 126		
1,1-Dichloroethene	25.0	23.8		95.2		64.0 - 129		
cis-1,2-Dichloroethene	25.0	23.1		92.4		73.0 - 120		
trans-1,2-Dichloroethene	25.0	22.4		89.6		71.0 - 121		
1,2-Dichloropropane	25.0	24.1		96.4		75.0 - 125		
cis-1,3-Dichloropropene	25.0	24.8		99.1		79.0 - 123		
trans-1,3-Dichloropropene	25.0	24.7		98.8		74.0 - 127		
Ethylbenzene	25.0	25.8		103		77.0 - 120		
2-Hexanone	125	128		102		58.0 - 147		
Isopropylbenzene	25.0	27.6		111		75.0 - 120		
p-Isopropyltoluene	25.0	27.2		109		74.0 - 126		
2-Butanone (MEK)	125	105		84.0		37.0 - 158		
Methyl Acetate	125	103		82.6		70.0 - 130		
Methyl Cyclohexane	25.0	25.9		103		70.0 - 130		
Methylene Chloride	25.0	20.7		82.7		66.0 - 121		
4-Methyl-2-pentanone (MIBK)	125	120		95.8		59.0 - 143		
Methyl tert-butyl ether	25.0	22.8		91.1		64.0 - 123		
Naphthalene	25.0	18.7		74.7		62.0 - 128		

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
RECOVERY

L954646-01,02,03,04,05,06,07,08,09,10

LCS Sample / File ID: R3270897-1 / 1203_39
LCSD Sample / File ID: _____
Instrument ID: VOCMS7
Analytical Method: 8260C

SDG: L954646
Analytical Batch: WG1048987
Dilution Factor: 1
Matrix: GW

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	RPD	RPD Limit
	ug/l	*ug/l*		%	%	%	%	%
n-Propylbenzene	25.0	26.6		106		79.0 - 120		
Styrene	25.0	26.9		108		78.0 - 124		
1,1,2,2-Tetrachloroethane	25.0	23.7		95.0		71.0 - 122		
Tetrachloroethene	25.0	26.9		107		70.0 - 127		
Toluene	25.0	25.4		102		77.0 - 120		
1,1,2-Trichlorotrifluoroethane	25.0	23.0		92.0		61.0 - 136		
1,2,3-Trichlorobenzene	25.0	21.7		86.6		61.0 - 133		
1,2,4-Trichlorobenzene	25.0	25.1		101		69.0 - 129		
1,1,1-Trichloroethane	25.0	22.9		91.8		68.0 - 122		
1,1,2-Trichloroethane	25.0	26.2		105		78.0 - 120		
Trichloroethene	25.0	25.0		99.8		78.0 - 120		
Trichlorofluoromethane	25.0	22.4		89.6		56.0 - 137		
1,2,4-Trimethylbenzene	25.0	25.6		103		75.0 - 120		
1,3,5-Trimethylbenzene	25.0	25.9		104		75.0 - 120		
Vinyl chloride	25.0	22.0		88.0		64.0 - 133		
o-Xylene	25.0	25.3		101		78.0 - 120		
m&p-Xylenes	50.0	52.1		104		77.0 - 120		

*: Value outside the established quality control limits.
D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

ESC Sample ID:	R3271273-2	**SDG:**	L954646
Lab File ID:	1206_33	**Preparation Date/Time:**	12/06/17 23:41
Instrument ID:	VOCMS20	**Analysis Date/Time:**	12/06/17 23:41
Analytical Batch:	WG1050500	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Sample ID	ESC Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3271273-1	VOCMS20	1206_30	12/06/17 22:43
GPMW-34	L954646-03	VOCMS20	1206_35	12/07/17 00:29
OS	L955542-24	VOCMS20	1206_50	12/07/17 05:26
MS	R3271273-3	VOCMS20	1206_54	12/07/17 06:45
MSD	R3271273-4	VOCMS20	1206_55	12/07/17 07:05

ESC Sample ID:	R3270897-3	**SDG:**	L954646
Lab File ID:	1203_44	**Preparation Date/Time:**	12/03/17 23:13
Instrument ID:	VOCMS7	**Analysis Date/Time:**	12/03/17 23:13
Analytical Batch:	WG1048987	**Dilution Factor:**	1
Analytical Method:	8260C	**Matrix:**	GW

Sample ID	ESC Sample ID	Instrument	File ID	Analysis *date/time*
LCS	R3270897-1	VOCMS7	1203_39	12/03/17 21:36
DUPE	L954646-01	VOCMS7	1203_53	12/04/17 02:06
GPMW-26	L954646-02	VOCMS7	1203_54	12/04/17 02:25
GPMW-34	L954646-03	VOCMS7	1203_55	12/04/17 02:44
IW-2	L954646-04	VOCMS7	1203_56	12/04/17 03:03
IW-3	L954646-05	VOCMS7	1203_57	12/04/17 03:23
BW-4	L954646-06	VOCMS7	1203_58	12/04/17 03:42
BW-3	L954646-07	VOCMS7	1203_59	12/04/17 04:01
BW-2	L954646-08	VOCMS7	1203_60	12/04/17 04:20
IW-5	L954646-09	VOCMS7	1203_61	12/04/17 04:40
IW-4	L954646-10	VOCMS7	1203_62	12/04/17 04:59
MS	R3270897-4	VOCMS7	1203_65	12/04/17 05:56
MSD	R3270897-5	VOCMS7	1203_66	12/04/17 06:16

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 1031_02-1
Instrument ID: VOCMS7
Analysis Date/Time: 10/31/17 05:01

SDG: L954646
Analytical Method: 8260C

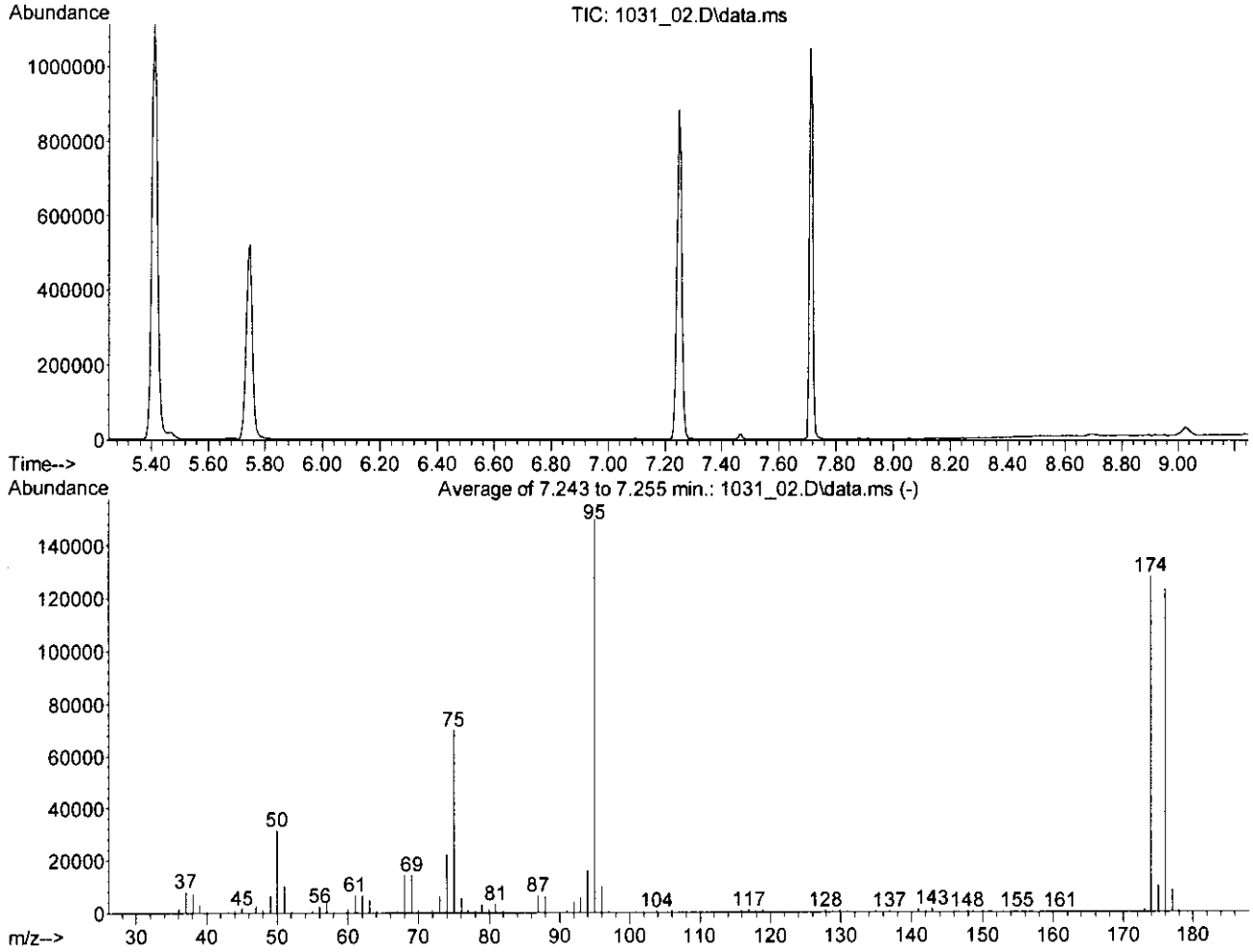
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	1
174	95	50	100	86
175	174	5	9	8
176	174	95	101	96
177	176	5	9	7
50	95	15	40	21
75	95	30	60	47
95	95	100	100	100
96	95	5	9	7

Sample ID	ESC Sample ID	File ID	Analysis date/time
STD-0.25	0.25	1031_03	10/31/17 06:23
STD-0.5	0.5	1031_04	10/31/17 06:42
STD-1	1	1031_05	10/31/17 07:55
STD-2	2	1031_06	10/31/17 08:14
STD-5.0	5.0	1031_07	10/31/17 08:33
STD-75	75	1031_09	10/31/17 09:12
STD-100	100	1031_10	10/31/17 09:31
STD-200	200	1031_11	10/31/17 09:50 ✓

Data Path : C:\msdchem\1\data\103117\
Data File : 1031 02.D
Acq On : 31 Oct 2017 5:01 am
Operator : 605
Sample : INSTBLK
Misc : water IS/SURR 17H10686
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V807J31Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS07
Last Update : Wed Nov 01 13:52:00 2017



AutoFind: Scans 1177, 1178, 1179; Background Corrected with Scan 1171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	31533	PASS
75	95	30	60	46.7	70027	PASS
95	95	100	100	100.0	150059	PASS
96	95	5	9	6.6	9914	PASS
173	174	0.00	2	0.6	749	PASS
174	95	50	100	85.6	128416	PASS
175	174	5	9	7.7	9904	PASS
176	174	95	101	96.0	123269	PASS
177	176	5	9	6.6	8176	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 1031_17-1
Instrument ID: VOCMS7
Analysis Date/Time: 11/01/17 12:17

SDG: L954646
Analytical Method: 8260C

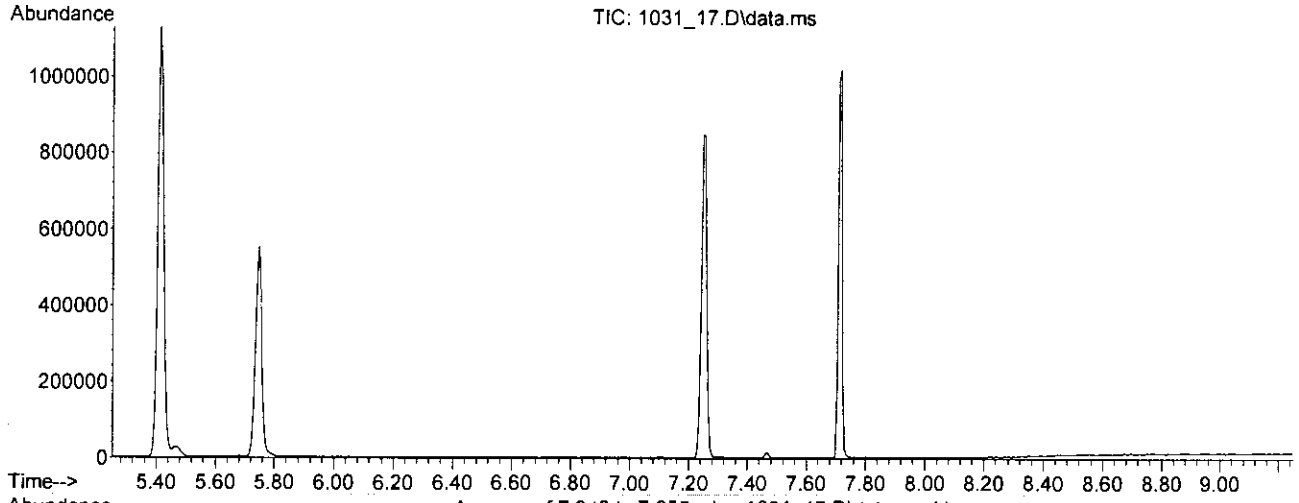
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	0
174	95	50	100	84
175	174	5	9	7
176	174	95	101	97
177	176	5	9	7
50	95	15	40	22
75	95	30	60	48
95	95	100	100	100
96	95	5	9	7

Sample ID	ESC Sample ID	File ID	Analysis date/time
STD-25	25	1031_18	11/01/17 12:39
SSCV	VOCMS71031171031_19-1439064	1031_19-1	11/01/17 12:58

Data Path : C:\msdchem\1\data\103117\
Data File : 1031 17.D
Acq On : 1 Nov 2017 12:17 pm
Operator : 605
Sample : INSTBLK
Misc : water IS/SURR 17H10686
ALS Vial : 17 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V807J31Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS07
Last Update : Tue Oct 31 14:51:22 2017



AutoFind: Scans 1177, 1178, 1179; Background Corrected with Scan 1171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	32144	PASS
75	95	30	60	48.3	70227	PASS
95	95	100	100	100.0	145507	PASS
96	95	5	9	6.9	10102	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.2	122512	PASS
175	174	5	9	7.3	8950	PASS
176	174	95	101	96.8	118552	PASS
177	176	5	9	6.6	7851	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 1102_01-1
Instrument ID: VOCMS7
Analysis Date/Time: 11/02/17 08:43

SDG: L954646
Analytical Method: 8260C

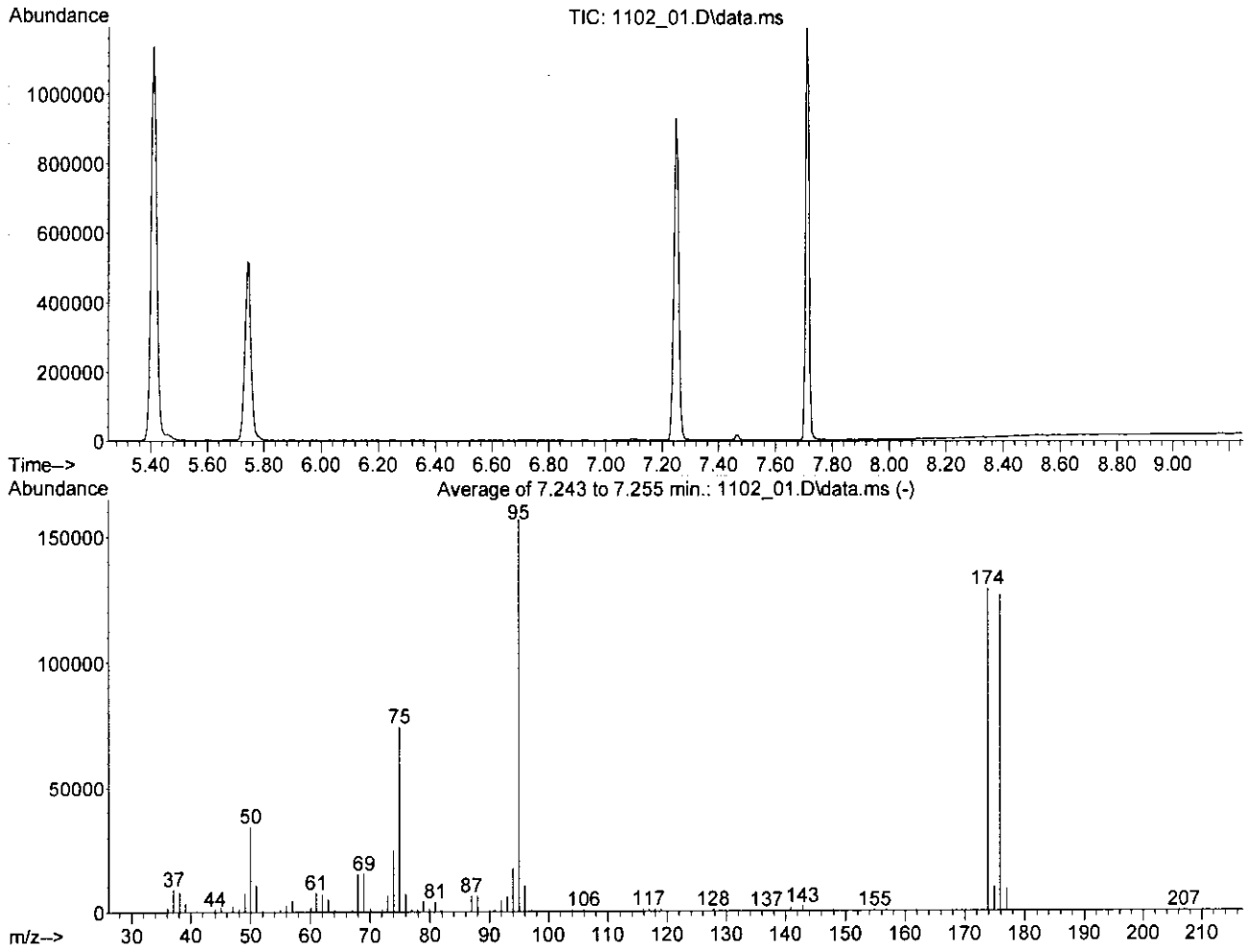
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	0
174	95	50	100	82
175	174	5	9	8
176	174	95	101	98
177	176	5	9	7
50	95	15	40	22
75	95	30	60	47
95	95	100	100	100
96	95	5	9	7

Sample ID	ESC Sample ID	File ID	Analysis date/time
STD-1A	1A	1102_03	11/02/17 10:21
STD-5A	5A	1102_04	11/02/17 10:40
STD-10A	10A	1102_05	11/02/17 10:59
STD-15A	15A	1102_06	11/02/17 11:18
STD-20A	20A	1102_07	11/02/17 11:38

Data Path : C:\msdchem\1\data\110217\
Data File : 1102 01.D
Acq On : 2 Nov 2017 8:43 am
Operator : 605
Sample : INSTBLK
Misc : water IS/SURR 17H10686
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V807K02Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS07
Last Update : Thu Nov 02 14:42:00 2017



AutoFind: Scans 1177, 1178, 1179; Background Corrected with Scan 1171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	34224	PASS
75	95	30	60	47.4	74429	PASS
95	95	100	100	100.0	157096	PASS
96	95	5	9	6.6	10338	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.2	129205	PASS
175	174	5	9	7.5	9632	PASS
176	174	95	101	98.1	126763	PASS
177	176	5	9	6.8	8637	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 1203_38T
Instrument ID: VOCMS7
Analysis Date/Time: 12/03/17 21:17

SDG: L954646
Analytical Method: 8260C

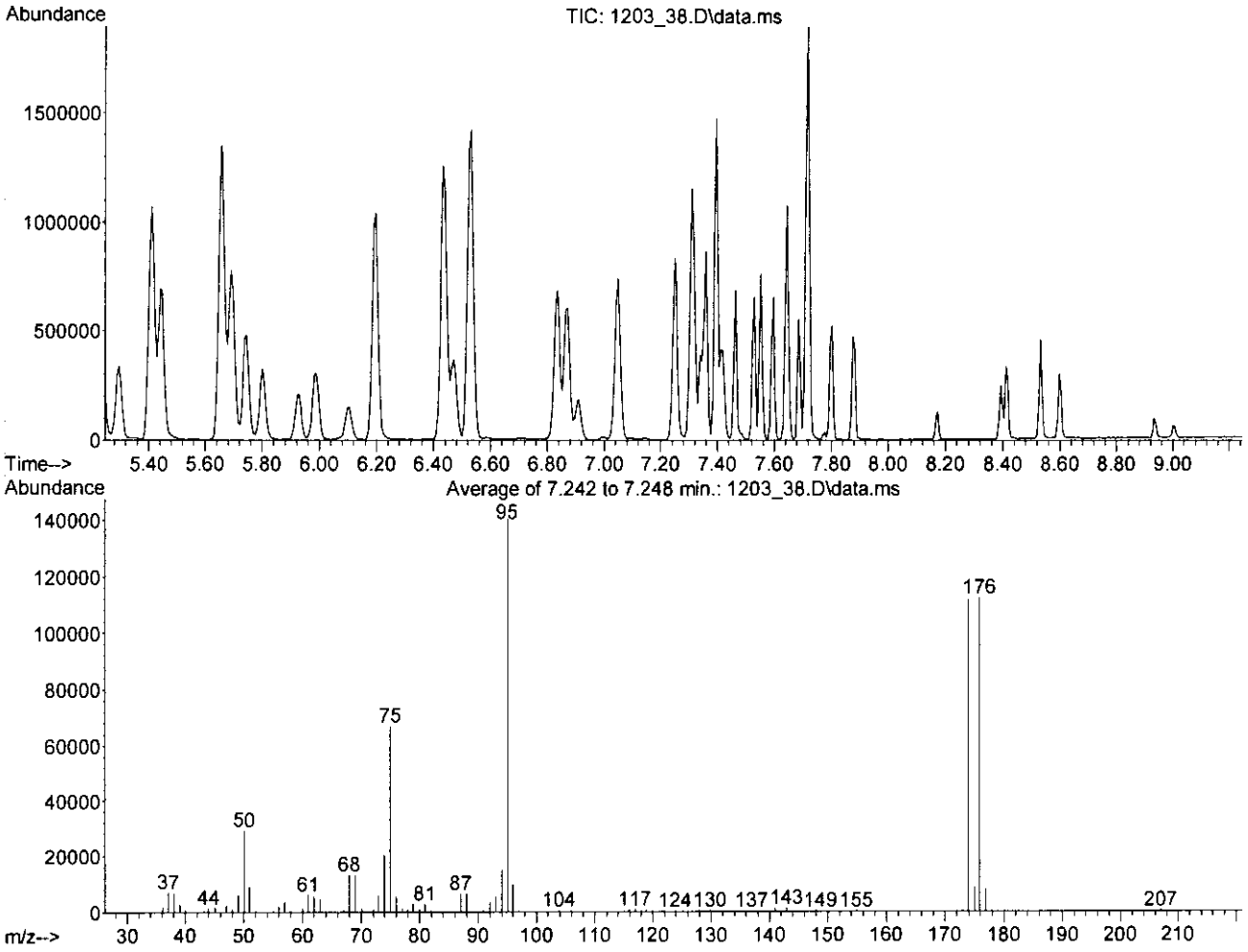
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	0
174	95	50	100	80
175	174	5	9	8
176	174	95	101	100
177	176	5	9	7
50	95	15	40	21
75	95	30	60	48
95	95	100	100	100
96	95	5	9	7

Sample ID	ESC Sample ID	File ID	Analysis date/time
ICV	VOCMS71203171203_38-2439064	1203_38-2	12/03/17 21:17
LCS	R3270897-1	1203_39	12/03/17 21:36
RL	VOCMS71203171203_43-1439064	1203_43-1	12/03/17 22:53
BLANK	R3270897-3	1203_44	12/03/17 23:13
DUPE	L954646-01	1203_53	12/04/17 02:06
GPMW-26	L954646-02	1203_54	12/04/17 02:25
GPMW-34	L954646-03	1203_55	12/04/17 02:44
IW-2	L954646-04	1203_56	12/04/17 03:03
IW-3	L954646-05	1203_57	12/04/17 03:23
OS	L954646-06	1203_58	12/04/17 03:42
BW-4	L954646-06	1203_58	12/04/17 03:42
BW-3	L954646-07	1203_59	12/04/17 04:01
BW-2	L954646-08	1203_60	12/04/17 04:20
IW-5	L954646-09	1203_61	12/04/17 04:40
IW-4	L954646-10	1203_62	12/04/17 04:59
MS	R3270897-4	1203_65	12/04/17 05:56
MSD	R3270897-5	1203_66	12/04/17 06:16 ✓

Data Path : C:\msdchem\1\data\120317\
Data File : 1203 38.D
Acq On : 3 Dec 2017 9:17 pm
Operator : 605
Sample : ICV VMS 25 ppb
Misc : water
ALS Vial : 29 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V807K02Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS07
Last Update : Thu Nov 02 14:42:00 2017



Spectrum Information: Average of 7.242 to 7.248 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	29344	PASS
75	95	30	60	47.7	66972	PASS
95	95	100	100	100.0	140468	PASS
96	95	5	9	6.9	9708	PASS
173	174	0.00	2	0.3	368	PASS
174	95	50	100	79.7	111976	PASS
175	174	5	9	7.7	8600	PASS
176	174	95	101	100.5	112568	PASS
177	176	5	9	6.9	7791	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 1124A_02-1
Instrument ID: VOCMS20
Analysis Date/Time: 11/24/17 17:41

SDG: L954646
Analytical Method: 8260C

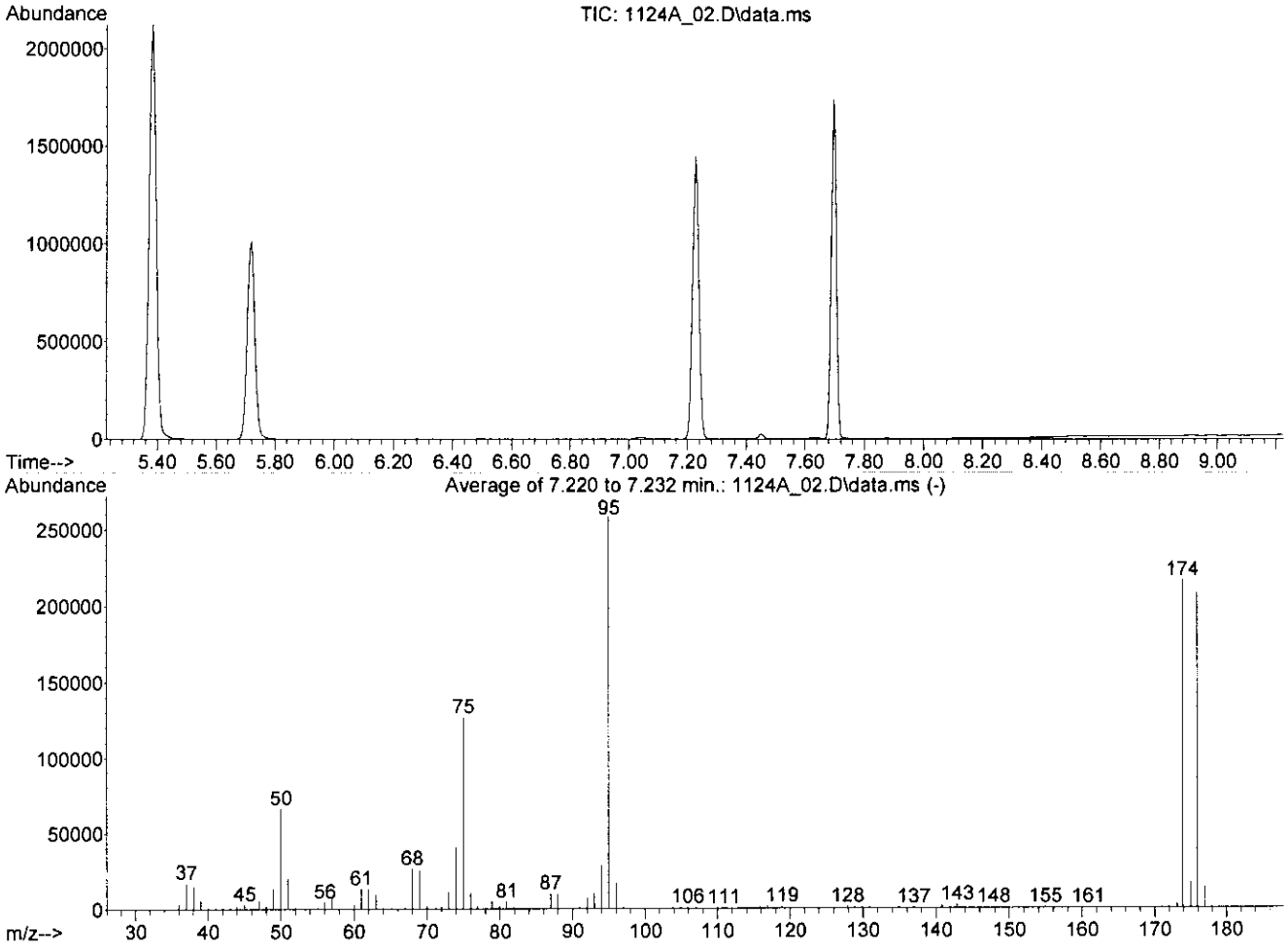
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	1
174	95	50	100	84
175	174	5	9	8
176	174	95	101	96
177	176	5	9	6
50	95	15	40	26
75	95	30	60	49
95	95	100	100	100
96	95	5	9	6

Sample ID	ESC Sample ID	File ID	Analysis date/time
STD-0.25	0.25	1124A_05	11/24/17 18:41
STD-0.5	0.5	1124A_06	11/24/17 19:00
STD-1	1	1124A_07	11/24/17 19:20
STD-2	2	1124A_08	11/24/17 19:40
STD-5.0	5.0	1124A_09	11/24/17 20:00
STD-25	25	1124A_10	11/24/17 20:20
STD-75	75	1124A_11	11/24/17 20:39
STD-100	100	1124A_12	11/24/17 20:59
STD-200	200	1124A_13	11/24/17 21:18
SSCV	VOCMS20112417A1124A_16-1440319	1124A_16-1	11/24/17 22:17 ✓

Data Path : C:\msdchem\1\data\112417A\
Data File : 1124A 02.D
Acq On : 24 Nov 2017 5:41 pm
Operator : 605
Sample : INSTBLK
Misc : water IS/Surr 17H10686
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V820K24Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS20
Last Update : Sun Nov 26 07:42:12 2017



AutoFind: Scans 1005, 1006, 1007; Background Corrected with Scan 997

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	66235	PASS
75	95	30	60	49.0	127085	PASS
95	95	100	100	100.0	259136	PASS
96	95	5	9	6.4	16697	PASS
173	174	0.00	2	1.2	2702	PASS
174	95	50	100	83.7	216789	PASS
175	174	5	9	7.6	16503	PASS
176	174	95	101	96.2	208555	PASS
177	176	5	9	6.5	13646	PASS

5A-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

Lab File ID: 1206_28T-3
Instrument ID: VOCMS20
Analysis Date/Time: 12/06/17 22:03

SDG: L954646
Analytical Method: 8260C

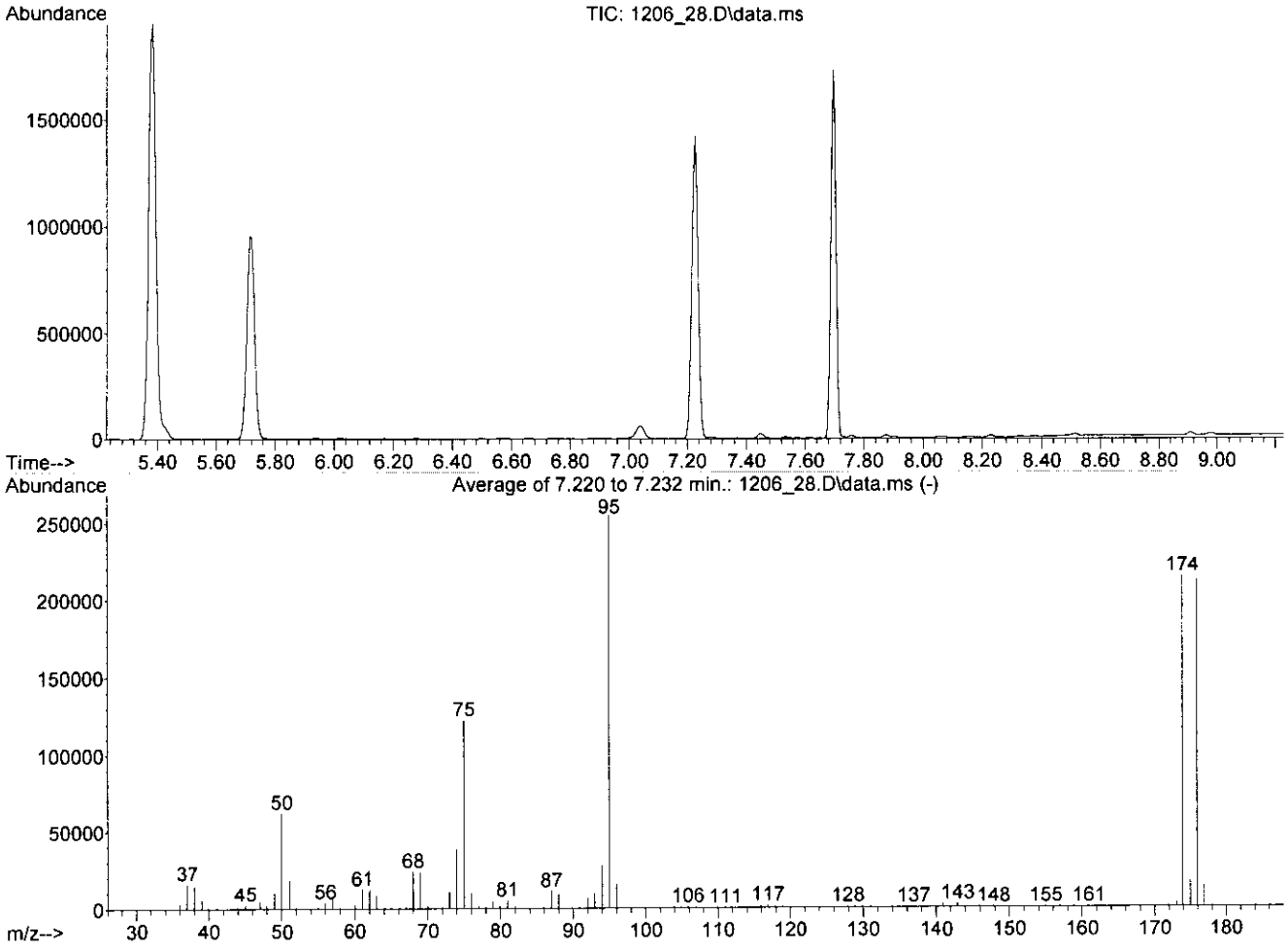
Target Mass (m/e)	Relative Mass	Low Limit	High Limit	% Relative Abundance
173	174	0	2	1
174	95	50	100	84
175	174	5	9	8
176	174	95	101	99
177	176	5	9	6
50	95	15	40	24
75	95	30	60	48
95	95	100	100	100
96	95	5	9	6

Sample ID	ESC Sample ID	File ID	Analysis date/time
ICV	VOCMS201206171206_29-4440319	1206_29-4	12/06/17 22:23
LCS	R3271273-1	1206_30	12/06/17 22:43
RL	VOCMS201206171206_32-1440319	1206_32-1	12/06/17 23:22
BLANK	R3271273-2	1206_33	12/06/17 23:41
GPMW-34	L954646-03	1206_35	12/07/17 00:29
OS	L955542-24	1206_50	12/07/17 05:26
MS	R3271273-3	1206_54	12/07/17 06:45
MSD	R3271273-4	1206_55	12/07/17 07:05 ✓

Data Path : C:\msdchem\1\data\120617\
Data File : 1206 28.D
Acq On : 6 Dec 2017 10:03 pm
Operator : 605
Sample : INSTBLK
Misc : water
ALS Vial : 28 Sample Multiplier: 1

Integration File: RTEINTLRH.P

Method : C:\msdchem\1\methods\V820K24Q.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS20
Last Update : Sun Nov 26 07:42:12 2017



AutoFind: Scans 1005, 1006, 1007; Background Corrected with Scan 997

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	62120	PASS
75	95	30	60	48.0	122595	PASS
95	95	100	100	100.0	255339	PASS
96	95	5	9	6.2	15756	PASS
173	174	0.00	2	1.2	2480	PASS
174	95	50	100	84.4	215467	PASS
175	174	5	9	7.8	16726	PASS
176	174	95	101	98.8	212800	PASS
177	176	5	9	6.5	13806	PASS

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L954646	**Analytical Method:**	8260C
Instrument ID:	VOCMS7	**Calibration Start Date:**	10/31/17 06:23
Std File:	1203_38-2	**Calibration End Date:**	11/02/17 11:38
		Std Analysis Date:	12/03/17 21:17

Sample ID	File ID	1,4-DCB		DFB		BCP		PFB	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		129817	7.72	497201	4.59	76682	5.75	336657	4.27
UPPER LIMIT		259634		994402		153364		673314	
LOWER LIMIT		64909		248601		38341		168329	
LCS R3270897-1 WG1048987 1x	1203_39	133020	7.72	506074	4.59	79174	5.75	344354	4.27
BLANK R3270897-3 WG1048987 1x	1203_44	130452	7.71	498663	4.59	76066	5.75	335967	4.27
L954646-01 WG1048987 1x	1203_53	129655	7.72	487623	4.59	74351	5.75	331853	4.27
L954646-02 WG1048987 1x	1203_54	128591	7.72	497862	4.59	76186	5.74	338104	4.27
L954646-03 WG1048987 1x	1203_55	128693	7.72	507229	4.59	78944	5.75	347433	4.27
L954646-04 WG1048987 1x	1203_56	128427	7.71	498191	4.59	75733	5.75	336842	4.27
L954646-05 WG1048987 1x	1203_57	131315	7.72	485639	4.59	75011	5.75	331902	4.27
L954646-06 WG1048987 1x	1203_58	132797	7.71	492099	4.59	75212	5.75	333687	4.27
OS L954646-06 WG1048987 1x	1203_58	132797	7.71	492099	4.59	75212	5.75	333687	4.27
L954646-07 WG1048987 1x	1203_59	132814	7.71	496238	4.59	75985	5.75	335931	4.27
L954646-08 WG1048987 1x	1203_60	129945	7.72	496154	4.59	75801	5.75	333818	4.27
L954646-09 WG1048987 1x	1203_61	133341	7.71	498579	4.59	76256	5.75	338942	4.27
L954646-10 WG1048987 1x	1203_62	131240	7.72	489519	4.59	76679	5.75	334881	4.27
MS R3270897-4 WG1048987 1x	1203_65	130204	7.71	497250	4.59	76886	5.75	336677	4.27
MSD R3270897-5 WG1048987 1x	1203_66	125522	7.72	493540	4.59	77610	5.75	330370	4.27

1,4-DCB - 8260-1,4-DICHLOROBENZENE-D4 DFB - 8260-1,4-DIFLUOROBENZENE
BCP - 8260-2-BROMO-1-CHLOROPROPANE PFB - 8260-PENTAFLUOROBENZENE

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

8A-OR

INTERNAL STANDARD AND RETENTION TIME

SDG:	L954646	**Analytical Method:**	8260C
Instrument ID:	VOCMS20	**Calibration Start Date:**	10/12/17 06:49
Std File:	1206_29-4	**Calibration End Date:**	11/24/17 21:18
		Std Analysis Date:	12/06/17 22:23

Sample ID	File ID	1,4-DCB		DFB		BCP		PFB	
		Response	*RT*	*Response*	*RT*	*Response*	*RT*	*Response*	*RT*
STANDARD		354315	7.70	1032500	4.57	162709	5.72	698249	4.24
UPPER LIMIT		708630		2065000		325418		1396498	
LOWER LIMIT		177158		516250		81355		349125	
LCS R3271273-1 WG1050500 1x	1206_30	344998 ✓	7.70	1038545 ✓	4.57	162936 ✓	5.72	684666 ✓	4.24
BLANK R3271273-2 WG1050500 1x	1206_33	340049	7.70	1042294	4.57	160045	5.72	698782	4.24
L954646-03 WG1050500 10x	1206_35	332920	7.70	1023534	4.57	158672	5.72	682600	4.24
OS L955542-24 WG1050500 1x	1206_50	298867	7.70	927231	4.57	142163	5.72	617862	4.24
MS R3271273-3 WG1050500 1x	1206_54	305295	7.70	914771	4.57	142303	5.72	620152	4.24
MSD R3271273-4 WG1050500 1x	1206_55	293246	7.70	902984	4.57	139180	5.72	612517	4.24

1,4-DCB - 8260-1,4-DICHLOROBENZENE-D4 DFB - 8260-1,4-DIFLUOROBENZENE
BCP - 8260-2-BROMO-1-CHLOROPROPANE PFB - 8260-PENTAFLUOROBENZENE

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

DATA USABILITY SUMMARY REPORT

for

LABELLA ASSOCIATES, P.C.

300 State Street

Rochester, NY 14614

MICHELSON BCP SITE
Project 214539
Aqueous Samples
SDG: L900611
Sampled April 2017

VOLATILE ORGANICS

DUPE	(L900611-01)	IW-2	(L900611-02)
IW-3	(L900611-03)	BW-2	(L900611-04)
BW-3	(L900611-05)	BW-4	(L900611-06)
IW-5	(L900611-07)	IW-4	(L900611-08)
GPMW-26	(L900611-09)	GPMW-34	(L900611-10)

DATA ASSESSMENT

An ASP Category B data package containing analytical results for ten aqueous samples was received from Labella Associates, P.C. on 25Apr17. The deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Michelson BCP Site, were identified by Chain of Custody documents and traceable through the work of ESC Lab Sciences, the laboratory contracted for analysis. Analyses, performed according to SW-846 Method 8260, addressed determinations of volatile organics. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation) was used as a technical reference.

The acetone results from this project and the trichloroethene results from every sample except GPMW-34 have been qualified as estimations due to poor calibration performance.

The presence of methyl cyclohexane in BW-3, BW-4 and GPMW-34 could not be verified based on the mass spectra references included in the raw data. Methyl cyclohexane should be interpreted as undetected in these samples.

CORRECTNESS AND USABILITY

The data package supporting the results from this group of samples was found to be complete and well organized. Reported data is felt to be completely usable in its present form. Data presenting a usable estimation of the conditions being measured has been flagged "J", "U" or "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed strict QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: James B. Baldwin Date: 25 Apr 17

James B. Baldwin
DATAVAL Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the time of sample collection. Samples must remain chilled to 4±2°C between the time of collection and the time of analysis. Acid preserved VOC samples must be analyzed within 14 days, unpreserved VOC samples within 7 days. The holding time for VOC soils is 14 days. Aqueous semivolatile organics, pesticides and PCB samples must be extracted within seven days of collection. Soils must be extracted within 14 days. The extracts must then be analyzed within forty days of extraction. The holding times for cyanide and mercury samples are 14 and 28 days, respectively. Metals samples must be analyzed within six months.

This delivery group contained ten aqueous samples that were collected from the Michelson BCP Site and shipped to the laboratory, via FedEx, on 04Apr17. The shipment was received the following morning. At the time of receipt, the cooler of samples was found to be intact and properly chilled, with custody seals in place. A cooler temperature of 3.1°C was recorded in the laboratory.

Proper sample preservation was documented in the field custody record and verified in the laboratory at the time of analysis. These checks verified that each sample was properly stabilized at a pH<2.

VOLATILE ORGANICS

This group of samples was analyzed for volatile organics on 10Apr17 and 12Apr17. The SW-846 holding time requirements were satisfied.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

One method blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

It is noted that a blank was not analyzed on 12Apr17 with the 1:10 dilutions of BW-4 and GPMW-34. This pair of samples was only analyzed for cis-1,2-dichloroethene and trichloroethene which were know to be present.

MS Tuning

Mass spectrometer tuning and performance criteria are established

to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence that included samples from this program. An Instrument Performance Check Form is present for each BFB evaluation. The BFB tunes associated with this group of samples satisfied the program acceptance criteria.

Calibrations

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

Initial instrument calibrations for VOC were performed on 30Mar17 and 06Apr17. Standards of 0.25, 0.5, 1.0, 2.0, 5.0, 10, 25, 40, 75 100 and 200 µg/l were included. With the exception of methyl cyclohexane, each analyte targeted by this program produced the required levels of instrument response and demonstrated an acceptable degree of linearity during both calibrations. Although methyl cyclohexane standards produced the required levels of instrument response, they demonstrated poor linearity on 06Apr17. Although errors might be expected in measurements of this analyte, it may be assumed that methyl cyclohexane would be detected if present in samples. Because methyl cyclohexane was not found in this group of samples, data qualifications are not required.

Calibration check standards were analyzed on 10Apr17 and 11Apr17, prior to the 12-hour periods of instrument operation that included samples from this program. When compared to the initial calibrations, unacceptable shifts were observed in the instrument response of acetone (65%) on 10Apr17. The acetone results from this delivery group have been qualified as estimations based on this performance.

During the 10Apr17 check, the trichloroethene standard failed to produce the required minimum level of instrument response. The trichloroethene result from every sample except GPMW-34 has been qualified as an estimation based on this performance.

Surrogates

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the ASP requirements, acceptable recoveries were reported for each surrogate addition to this group of samples.

Internal Standards

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, acceptable performance was reported for the internal standard additions to each program sample.

Matrix Spikes

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

IW-2 was selected for matrix spiking. The entire list of targeted analytes was added to two aliquots of this sample. The recoveries reported for these spikes demonstrated acceptable levels of measurement precision and accuracy.

A pair of aqueous spiked blanks (LCS/LCSD) was also analyzed with this group of samples. The recoveries reported from this LCS pair included high acetone results of 145% and 158%. These indications of positive bias, however, warrant no concern because acetone was not found in this group of samples.

Duplicates

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

The field split duplicate sample that was included in this delivery group was not identified.

Reported Analytes

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Reference mass spectra were provided to confirm the identification of each analyte that was found in this group of

samples. Tentatively Identified Compounds (TIC) were not reported.

The presence of methyl cyclohexane in BW-3, BW-4 and GPMW-34 could not be verified based on the mass spectra references included in the raw data. Methyl cyclohexane (METHCYCLO) should be interpreted as undetected in these samples.

SUMMARY OF QUALIFIED DATA

MICHELSON BCP SITE

SAMPLED: APRIL 2017

		CALIBRATE ACETONE	CALIBRATE TCE	MS ID METHCYCLO
DUPE	(L900611-01)	50UJ	124J	
IW-2	(L900611-02)	50UJ	129J	
IW-3	(L900611-03)	50UJ	123J	
BW-2	(L900611-04)	50UJ	72.5J	
BW-3	(L900611-05)	50UJ	12.1J	1.0U
BW-4	(L900611-06)	50UJ	139J	1.0U
IW-5	(L900611-07)	50UJ	1.0UJ	
IW-4	(L900611-08)	50UJ	15.7J	
GPMW-26	(L900611-09)	50UJ	57.6J	
GPMW-34	(L900611-10)	50UJ		1.0U

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50 UJ		50.0	1	04/10/2017 11:18	WG968208
Benzene	ND		1.00	1	04/10/2017 11:18	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 11:18	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 11:18	WG968208
Bromoform	ND		1.00	1	04/10/2017 11:18	WG968208
Bromomethane	ND		5.00	1	04/10/2017 11:18	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 11:18	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 11:18	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 11:18	WG968208
Chloroethane	ND		5.00	1	04/10/2017 11:18	WG968208
Chloroform	ND		5.00	1	04/10/2017 11:18	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 11:18	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 11:18	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 11:18	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 11:18	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 11:18	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
1,1-Dichloroethene	1.05		1.00	1	04/10/2017 11:18	WG968208
cis-1,2-Dichloroethene	87.5		1.00	1	04/10/2017 11:18	WG968208
trans-1,2-Dichloroethene	1.76		1.00	1	04/10/2017 11:18	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 11:18	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:18	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:18	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 11:18	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 11:18	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 11:18	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 11:18	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 11:18	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 11:18	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 11:18	WG968208
Naphthalene	ND		5.00	1	04/10/2017 11:18	WG968208
Styrene	ND		1.00	1	04/10/2017 11:18	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 11:18	WG968208
Toluene	ND		1.00	1	04/10/2017 11:18	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,1,1-Trichloroethane	4.74		1.00	1	04/10/2017 11:18	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 11:18	WG968208
Trichloroethene	124	J	1.00	1	04/10/2017 11:18	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 11:18	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 11:18	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 11:18	WG968208
o-Xylene	ND		1.00	1	04/10/2017 11:18	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 11:18	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208

Cp
Tc
Ss
Cn
Sr
Qc
Gl
Al
Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 11:18	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 11:18	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 11:18*	WG968208
(S) Dibromofluoromethane	*102*		*76.0-123*		*04/10/2017 11:18*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 11:18*	WG968208
(S) 4-Bromofluorobenzene	*99.4*		*80.0-120*		*04/10/2017 11:18*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50UJ		50.0	1	04/10/2017 11:35	WG968208
Benzene	ND		1.00	1	04/10/2017 11:35	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 11:35	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 11:35	WG968208
Bromoform	ND		1.00	1	04/10/2017 11:35	WG968208
Bromomethane	ND		5.00	1	04/10/2017 11:35	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 11:35	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 11:35	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 11:35	WG968208
Chloroethane	ND		5.00	1	04/10/2017 11:35	WG968208
Chloroform	ND		5.00	1	04/10/2017 11:35	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 11:35	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 11:35	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 11:35	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 11:35	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 11:35	WG968208
1,1-Dichloroethane	1.46		1.00	1	04/10/2017 11:35	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 11:35	WG968208
1,1-Dichloroethene	3.89		1.00	1	04/10/2017 11:35	WG968208
cis-1,2-Dichloroethene	57.2		1.00	1	04/10/2017 11:35	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 11:35	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:35	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 11:35	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 11:35	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 11:35	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 11:35	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 11:35	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 11:35	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 11:35	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 11:35	WG968208
Naphthalene	ND		5.00	1	04/10/2017 11:35	WG968208
Styrene	ND		1.00	1	04/10/2017 11:35	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 11:35	WG968208
Tetrachloroethene	1.54		1.00	1	04/10/2017 11:35	WG968208
Toluene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,1,1-Trichloroethane	32.6		1.00	1	04/10/2017 11:35	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 11:35	WG968208
Trichloroethene	129	J	1.00	1	04/10/2017 11:35	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 11:35	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 11:35	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 11:35	WG968208
o-Xylene	ND		1.00	1	04/10/2017 11:35	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 11:35	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 11:35	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 11:35	WG968208
(S) Toluene-d8	*101*		*80.0-120*		*04/10/2017 11:35*	WG968208
(S) Dibromofluoromethane	*97.4*		*76.0-123*		*04/10/2017 11:35*	WG968208
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*04/10/2017 11:35*	WG968208
(S) 4-Bromofluorobenzene	*99.2*		*80.0-120*		*04/10/2017 11:35*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50 UJ		50.0	1	04/10/2017 12:42	WG968208
Benzene	ND		1.00	1	04/10/2017 12:42	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 12:42	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 12:42	WG968208
Bromoform	ND		1.00	1	04/10/2017 12:42	WG968208
Bromomethane	ND		5.00	1	04/10/2017 12:42	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 12:42	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 12:42	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 12:42	WG968208
Chloroethane	ND		5.00	1	04/10/2017 12:42	WG968208
Chloroform	ND		5.00	1	04/10/2017 12:42	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 12:42	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 12:42	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 12:42	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 12:42	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 12:42	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
1,1-Dichloroethene	1.04		1.00	1	04/10/2017 12:42	WG968208
cis-1,2-Dichloroethene	86.2		1.00	1	04/10/2017 12:42	WG968208
trans-1,2-Dichloroethene	1.86		1.00	1	04/10/2017 12:42	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 12:42	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:42	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:42	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 12:42	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 12:42	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 12:42	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 12:42	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 12:42	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 12:42	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 12:42	WG968208
Naphthalene	ND		5.00	1	04/10/2017 12:42	WG968208
Styrene	ND		1.00	1	04/10/2017 12:42	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 12:42	WG968208
Toluene	ND		1.00	1	04/10/2017 12:42	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,1,1-Trichloroethane	4.92		1.00	1	04/10/2017 12:42	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 12:42	WG968208
Trichloroethene	123	J	1.00	1	04/10/2017 12:42	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 12:42	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 12:42	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 12:42	WG968208
o-Xylene	ND		1.00	1	04/10/2017 12:42	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 12:42	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 12:42	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 12:42	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 12:42*	WG968208
(S) Dibromofluoromethane	*102*		*76.0-123*		*04/10/2017 12:42*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 12:42*	WG968208
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*04/10/2017 12:42*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 500J		50.0	1	04/10/2017 12:59	WG968208
Benzene	ND		1.00	1	04/10/2017 12:59	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 12:59	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 12:59	WG968208
Bromoform	ND		1.00	1	04/10/2017 12:59	WG968208
Bromomethane	ND		5.00	1	04/10/2017 12:59	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 12:59	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 12:59	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 12:59	WG968208
Chloroethane	ND		5.00	1	04/10/2017 12:59	WG968208
Chloroform	ND		5.00	1	04/10/2017 12:59	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 12:59	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 12:59	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 12:59	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 12:59	WG968208
cis-1,2-Dichloroethene	10.9		1.00	1	04/10/2017 12:59	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 12:59	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:59	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 12:59	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 12:59	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 12:59	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 12:59	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 12:59	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 12:59	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 12:59	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 12:59	WG968208
Naphthalene	ND		5.00	1	04/10/2017 12:59	WG968208
Styrene	ND		1.00	1	04/10/2017 12:59	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
Tetrachloroethene	1.01		1.00	1	04/10/2017 12:59	WG968208
Toluene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 12:59	WG968208
Trichloroethene	72.5	J	1.00	1	04/10/2017 12:59	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 12:59	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 12:59	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 12:59	WG968208
o-Xylene	ND		1.00	1	04/10/2017 12:59	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 12:59	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 12:59	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 12:59	WG968208
(S) Toluene-d8	*103*		*80.0-120*		*04/10/2017 12:59*	WG968208
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*04/10/2017 12:59*	WG968208
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*04/10/2017 12:59*	WG968208
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*04/10/2017 12:59*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50U		50.0	1	04/10/2017 13:16	WG968208
Benzene	ND		1.00	1	04/10/2017 13:16	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 13:16	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 13:16	WG968208
Bromoform	ND		1.00	1	04/10/2017 13:16	WG968208
Bromomethane	ND		5.00	1	04/10/2017 13:16	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 13:16	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 13:16	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 13:16	WG968208
Chloroethane	ND		5.00	1	04/10/2017 13:16	WG968208
Chloroform	ND		5.00	1	04/10/2017 13:16	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 13:16	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 13:16	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 13:16	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 13:16	WG968208
cis-1,2-Dichloroethene	6.84		1.00	1	04/10/2017 13:16	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 13:16	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:16	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:16	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 13:16	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 13:16	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 13:16	WG968208
Methyl Cyclohexane	~~1.28~~ 1.0 U		1.00	1	04/10/2017 13:16	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 13:16	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 13:16	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 13:16	WG968208
Naphthalene	ND		5.00	1	04/10/2017 13:16	WG968208
Styrene	ND		1.00	1	04/10/2017 13:16	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 13:16	WG968208
Toluene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 13:16	WG968208
Trichloroethene	12.1	J	1.00	1	04/10/2017 13:16	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 13:16	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 13:16	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 13:16	WG968208
o-Xylene	ND		1.00	1	04/10/2017 13:16	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 13:16	WG968208
n-Butylbenzene	1.40		1.00	1	04/10/2017 13:16	WG968208
sec-Butylbenzene	3.92		1.00	1	04/10/2017 13:16	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 13:16	WG968208
p-Isopropyltoluene	1.32		1.00	1	04/10/2017 13:16	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 13:16*	WG968208
(S) Dibromofluoromethane	*97.2*		*76.0-123*		*04/10/2017 13:16*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 13:16*	WG968208
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*04/10/2017 13:16*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50U		50.0	1	04/10/2017 13:33	WG968208
Benzene	ND		1.00	1	04/10/2017 13:33	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 13:33	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 13:33	WG968208
Bromoform	ND		1.00	1	04/10/2017 13:33	WG968208
Bromomethane	ND		5.00	1	04/10/2017 13:33	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 13:33	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 13:33	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 13:33	WG968208
Chloroethane	ND		5.00	1	04/10/2017 13:33	WG968208
Chloroform	ND		5.00	1	04/10/2017 13:33	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 13:33	WG968208
Cyclohexane	1.57		1.00	1	04/10/2017 13:33	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 13:33	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 13:33	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,1-Dichloroethene	1.80		1.00	1	04/10/2017 13:33	WG968208
cis-1,2-Dichloroethene	654		10.0	10	04/12/2017 04:56	WG968208
trans-1,2-Dichloroethene	3.19		1.00	1	04/10/2017 13:33	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 13:33	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:33	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:33	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 13:33	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 13:33	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 13:33	WG968208
Methyl Cyclohexane	~~2.21~~ 1.0U		1.00	1	04/10/2017 13:33	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 13:33	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 13:33	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 13:33	WG968208
Naphthalene	ND		5.00	1	04/10/2017 13:33	WG968208
Styrene	ND		1.00	1	04/10/2017 13:33	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
Tetrachloroethene	1.58		1.00	1	04/10/2017 13:33	WG968208
Toluene	ND		1.00	1	04/10/2017 13:33	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 13:33	WG968208
Trichloroethene	139	J	1.00	1	04/10/2017 13:33	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 13:33	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 13:33	WG968208
Vinyl chloride	53.5		1.00	1	04/10/2017 13:33	WG968208
o-Xylene	ND		1.00	1	04/10/2017 13:33	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 13:33	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 13:33	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 13:33	WG968208
(S) Toluene-d8	*101*		*80.0-120*		*04/10/2017 13:33*	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/12/2017 04:56*	WG968208
(S) Dibromofluoromethane	*100*		*76.0-123*		*04/10/2017 13:33*	WG968208
(S) Dibromofluoromethane	*106*		*76.0-123*		*04/12/2017 04:56*	WG968208
(S) a,a,a-Trifluorotoluene	*99.8*		*80.0-120*		*04/12/2017 04:56*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 13:33*	WG968208
(S) 4-Bromofluorobenzene	*96.7*		*80.0-120*		*04/12/2017 04:56*	WG968208
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*04/10/2017 13:33*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50 UJ		50.0	1	04/10/2017 13:50	WG968208
Benzene	ND		1.00	1	04/10/2017 13:50	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 13:50	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 13:50	WG968208
Bromoform	ND		1.00	1	04/10/2017 13:50	WG968208
Bromomethane	ND		5.00	1	04/10/2017 13:50	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 13:50	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 13:50	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 13:50	WG968208
Chloroethane	ND		5.00	1	04/10/2017 13:50	WG968208
Chloroform	ND		5.00	1	04/10/2017 13:50	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 13:50	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 13:50	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 13:50	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
cis-1,2-Dichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 13:50	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:50	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 13:50	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 13:50	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 13:50	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 13:50	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 13:50	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 13:50	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 13:50	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 13:50	WG968208
Naphthalene	ND		5.00	1	04/10/2017 13:50	WG968208
Styrene	ND		1.00	1	04/10/2017 13:50	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
Tetrachloroethene	ND		1.00	1	04/10/2017 13:50	WG968208
Toluene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 13:50	WG968208
Trichloroethene	~~ND~~ 1.00 UJ		1.00	1	04/10/2017 13:50	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 13:50	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 13:50	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 13:50	WG968208
o-Xylene	ND		1.00	1	04/10/2017 13:50	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 13:50	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 13:50	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 13:50	WG968208
(S) Toluene-d8	*103*		*80.0-120*		*04/10/2017 13:50*	WG968208
(S) Dibromofluoromethane	*98.4*		*76.0-123*		*04/10/2017 13:50*	WG968208
(S) a,a,a-Trifluorotoluene	*107*		*80.0-120*		*04/10/2017 13:50*	WG968208
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*04/10/2017 13:50*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 500J		50.0	1	04/10/2017 14:07	WG968208
Benzene	ND		1.00	1	04/10/2017 14:07	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 14:07	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 14:07	WG968208
Bromoform	ND		1.00	1	04/10/2017 14:07	WG968208
Bromomethane	ND		5.00	1	04/10/2017 14:07	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 14:07	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 14:07	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 14:07	WG968208
Chloroethane	ND		5.00	1	04/10/2017 14:07	WG968208
Chloroform	ND		5.00	1	04/10/2017 14:07	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 14:07	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 14:07	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 14:07	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 14:07	WG968208
cis-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:07	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 14:07	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:07	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:07	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 14:07	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 14:07	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 14:07	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 14:07	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 14:07	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 14:07	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 14:07	WG968208
Naphthalene	ND		5.00	1	04/10/2017 14:07	WG968208
Styrene	ND		1.00	1	04/10/2017 14:07	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
Tetrachloroethene	4.22		1.00	1	04/10/2017 14:07	WG968208
Toluene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 14:07	WG968208
Trichloroethene	15.7	J	1.00	1	04/10/2017 14:07	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 14:07	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 14:07	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 14:07	WG968208
o-Xylene	ND		1.00	1	04/10/2017 14:07	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 14:07	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208

Cp
Tc
Ss
Cn
Sr
Qc
Gl
Al
Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 14:07	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 14:07	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/10/2017 14:07*	WG968208
(S) Dibromofluoromethane	*101*		*76.0-123*		*04/10/2017 14:07*	WG968208
(S) a,a,a-Trifluorotoluene	*105*		*80.0-120*		*04/10/2017 14:07*	WG968208
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*04/10/2017 14:07*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50UJ		50.0	1	04/10/2017 14:23	WG968208
Benzene	ND		1.00	1	04/10/2017 14:23	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 14:23	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 14:23	WG968208
Bromoform	ND		1.00	1	04/10/2017 14:23	WG968208
Bromomethane	ND		5.00	1	04/10/2017 14:23	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 14:23	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 14:23	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 14:23	WG968208
Chloroethane	ND		5.00	1	04/10/2017 14:23	WG968208
Chloroform	ND		5.00	1	04/10/2017 14:23	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 14:23	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 14:23	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 14:23	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 14:23	WG968208
cis-1,2-Dichloroethene	1.76		1.00	1	04/10/2017 14:23	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 14:23	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:23	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:23	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 14:23	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 14:23	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 14:23	WG968208
Methyl Cyclohexane	ND		1.00	1	04/10/2017 14:23	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 14:23	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 14:23	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 14:23	WG968208
Naphthalene	ND		5.00	1	04/10/2017 14:23	WG968208
Styrene	ND		1.00	1	04/10/2017 14:23	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
Tetrachloroethene	2.68		1.00	1	04/10/2017 14:23	WG968208
Toluene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 14:23	WG968208
Trichloroethene	57.6 J		1.00	1	04/10/2017 14:23	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 14:23	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 14:23	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 14:23	WG968208
o-Xylene	ND		1.00	1	04/10/2017 14:23	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 14:23	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 14:23	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 14:23	WG968208
(S) Toluene-d8	*101*		*80.0-120*		*04/10/2017 14:23*	WG968208
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*04/10/2017 14:23*	WG968208
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*04/10/2017 14:23*	WG968208
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*04/10/2017 14:23*	WG968208

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	~~ND~~ 50 UJ		50.0	1	04/10/2017 14:40	WG968208
Benzene	ND		1.00	1	04/10/2017 14:40	WG968208
Bromochloromethane	ND	J0	1.00	1	04/10/2017 14:40	WG968208
Bromodichloromethane	ND		1.00	1	04/10/2017 14:40	WG968208
Bromoform	ND		1.00	1	04/10/2017 14:40	WG968208
Bromomethane	ND		5.00	1	04/10/2017 14:40	WG968208
Carbon disulfide	ND		1.00	1	04/10/2017 14:40	WG968208
Carbon tetrachloride	ND		1.00	1	04/10/2017 14:40	WG968208
Chlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
Chlorodibromomethane	ND		1.00	1	04/10/2017 14:40	WG968208
Chloroethane	ND		5.00	1	04/10/2017 14:40	WG968208
Chloroform	ND		5.00	1	04/10/2017 14:40	WG968208
Chloromethane	ND	J0	2.50	1	04/10/2017 14:40	WG968208
Cyclohexane	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/10/2017 14:40	WG968208
1,2-Dibromoethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,3-Dichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,4-Dichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
Dichlorodifluoromethane	ND		5.00	1	04/10/2017 14:40	WG968208
1,1-Dichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,1-Dichloroethene	ND		1.00	1	04/10/2017 14:40	WG968208
cis-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:40	WG968208
trans-1,2-Dichloroethene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2-Dichloropropane	ND		1.00	1	04/10/2017 14:40	WG968208
cis-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:40	WG968208
trans-1,3-Dichloropropene	ND		1.00	1	04/10/2017 14:40	WG968208
Ethylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
2-Hexanone	ND		10.0	1	04/10/2017 14:40	WG968208
Isopropylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
2-Butanone (MEK)	ND		10.0	1	04/10/2017 14:40	WG968208
Methyl Acetate	ND		20.0	1	04/10/2017 14:40	WG968208
Methyl Cyclohexane	~~4.12~~ 1.0 U		1.00	1	04/10/2017 14:40	WG968208
Methylene Chloride	ND		5.00	1	04/10/2017 14:40	WG968208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/10/2017 14:40	WG968208
Methyl tert-butyl ether	ND		1.00	1	04/10/2017 14:40	WG968208
Naphthalene	ND		5.00	1	04/10/2017 14:40	WG968208
Styrene	ND		1.00	1	04/10/2017 14:40	WG968208
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
Tetrachloroethene	3.22		1.00	1	04/10/2017 14:40	WG968208
Toluene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2,3-Trichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2,4-Trichlorobenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,1,1-Trichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
1,1,2-Trichloroethane	ND		1.00	1	04/10/2017 14:40	WG968208
Trichloroethene	397		10.0	10	04/12/2017 05:09	WG968208
Trichlorofluoromethane	ND		5.00	1	04/10/2017 14:40	WG968208
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/10/2017 14:40	WG968208
Vinyl chloride	ND		1.00	1	04/10/2017 14:40	WG968208
o-Xylene	ND		1.00	1	04/10/2017 14:40	WG968208
m&p-Xylenes	ND		2.00	1	04/10/2017 14:40	WG968208
n-Butylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
sec-Butylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
tert-Butylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
1,2,4-Trimethylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208

Cp Tc Ss Cn Sr Qc Gl Al Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
n-Propylbenzene	ND		1.00	1	04/10/2017 14:40	WG968208
p-Isopropyltoluene	ND		1.00	1	04/10/2017 14:40	WG968208
(S) Toluene-d8	*97.8*		*80.0-120*		*04/10/2017 14:40*	WG968208
(S) Toluene-d8	*102*		*80.0-120*		*04/12/2017 05:09*	WG968208
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*04/10/2017 14:40*	WG968208
(S) Dibromofluoromethane	*106*		*76.0-123*		*04/12/2017 05:09*	WG968208
(S) a,a,a-Trifluorotoluene	*99.4*		*80.0-120*		*04/12/2017 05:09*	WG968208
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*04/10/2017 14:40*	WG968208
(S) 4-Bromofluorobenzene	*97.7*		*80.0-120*		*04/12/2017 05:09*	WG968208
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*04/10/2017 14:40*	WG968208

Method Blank (MB)

(MB) R3209565-3 04/10/17 06:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
p-Isopropyltoluene	U		0.350	1.00
Isopropylbenzene	U		0.326	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

Method Blank (MB)

(MB) R3209565-3 04/10/17 06:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
Trichloroethene	U		0.398	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Trichlorofluoromethane	U		1.20	5.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
Vinyl chloride	U		0.259	1.00
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*76.0-123*
(S) α,α,α-Trifluorotoluene	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3209565-1 04/10/17 05:57 • (LCSD) R3209565-2 04/10/17 06:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	125	182	198	145	158	10.0-160			8.58	23
Benzene	25.0	19.9	20.1	79.7	80.4	69.0-123			0.950	20
Bromodichloromethane	25.0	23.9	23.6	95.6	94.6	76.0-120			1.12	20
Bromochloromethane	25.0	21.6	21.0	86.4	83.9	76.0-122			2.98	20
Bromoform	25.0	20.2	21.0	81.0	84.1	67.0-132			3.82	20
Bromomethane	25.0	27.7	26.1	111	104	18.0-160			5.97	20
n-Butylbenzene	25.0	21.9	22.6	87.4	90.2	72.0-126			3.12	20
sec-Butylbenzene	25.0	22.1	23.4	88.5	93.7	74.0-121			5.65	20
tert-Butylbenzene	25.0	20.0	21.7	79.9	86.8	75.0-122			8.31	20
Carbon disulfide	25.0	23.4	24.0	93.7	96.1	55.0-127			2.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3209565-1 04/10/17 05:57 • (LCSD) R3209565-2 04/10/17 06:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	25.0	20.7	21.5	82.8	86.0	63.0-122			3.80	20
Chlorobenzene	25.0	22.8	23.4	91.1	93.7	79.0-121			2.79	20
Chlorodibromomethane	25.0	22.7	23.3	90.7	93.1	75.0-125			2.54	20
Chloroethane	25.0	21.8	22.3	87.4	89.3	47.0-152			2.17	20
Chloroform	25.0	22.9	23.2	91.8	92.7	72.0-121			1.00	20
Chloromethane	25.0	18.9	19.7	75.7	78.6	48.0-139			3.80	20
Cyclohexane	25.0	20.5	20.9	82.0	83.6	70.0-130			1.93	20
1,2-Dibromo-3-Chloropropane	25.0	19.9	21.1	79.5	84.5	64.0-127			6.13	20
1,2-Dibromoethane	25.0	23.2	23.5	93.0	93.9	77.0-123			0.930	20
1,2-Dichlorobenzene	25.0	23.5	23.8	93.8	95.3	80.0-120			1.54	20
1,3-Dichlorobenzene	25.0	22.9	23.7	91.6	94.6	72.0-123			3.28	20
1,4-Dichlorobenzene	25.0	22.0	22.6	88.1	90.5	77.0-120			2.60	20
Dichlorodifluoromethane	25.0	25.0	25.6	99.9	102	49.0-155			2.50	20
1,1-Dichloroethane	25.0	22.5	22.8	90.0	91.3	70.0-126			1.49	20
1,2-Dichloroethane	25.0	25.5	25.0	102	100	67.0-126			1.84	20
1,1-Dichloroethene	25.0	23.6	24.1	94.3	96.4	64.0-129			2.21	20
cis-1,2-Dichloroethene	25.0	23.4	23.4	93.5	93.7	73.0-120			0.150	20
trans-1,2-Dichloroethene	25.0	22.3	23.0	89.3	92.1	71.0-121			3.12	20
1,2-Dichloropropane	25.0	23.2	22.8	92.7	91.4	75.0-125			1.44	20
cis-1,3-Dichloropropene	25.0	25.5	24.7	102	98.8	79.0-123			3.35	20
trans-1,3-Dichloropropene	25.0	24.1	24.2	96.3	96.8	74.0-127			0.440	20
Ethylbenzene	25.0	19.8	20.7	79.2	82.9	77.0-120			4.52	20
2-Hexanone	125	126	134	101	107	58.0-147			5.99	20
Isopropylbenzene	25.0	19.9	20.9	79.5	83.6	75.0-120			5.06	20
p-Isopropyltoluene	25.0	23.5	24.3	94.1	97.4	74.0-126			3.46	20
2-Butanone (MEK)	125	110	116	88.1	93.0	37.0-158			5.46	20
Methyl Acetate	125	125	131	100	105	70.0-130			4.12	20
Methyl Cyclohexane	25.0	23.0	23.6	92.2	94.3	70.0-130			2.34	20
Methylene Chloride	25.0	21.9	22.1	87.8	88.5	66.0-121			0.830	20
4-Methyl-2-pentanone (MIBK)	125	116	118	92.9	94.5	59.0-143			1.74	20
Methyl tert-butyl ether	25.0	23.0	22.6	91.8	90.5	64.0-123			1.47	20
Naphthalene	25.0	18.8	19.2	75.2	76.8	62.0-128			2.07	20
n-Propylbenzene	25.0	20.4	21.3	81.5	85.1	79.0-120			4.34	20
Styrene	25.0	21.4	21.8	85.4	87.1	78.0-124			1.97	20
1,1,2,2-Tetrachloroethane	25.0	22.7	22.7	90.7	90.6	71.0-122			0.140	20
Tetrachloroethene	25.0	23.0	23.9	92.2	95.8	70.0-127			3.84	20
Toluene	25.0	21.1	21.0	84.5	83.9	77.0-120			0.700	20
1,1,2-Trichlorotrifluoroethane	25.0	21.7	22.4	86.8	89.7	61.0-136			3.35	20
1,2,3-Trichlorobenzene	25.0	22.2	22.6	89.0	90.6	61.0-133			1.79	20
1,2,4-Trichlorobenzene	25.0	23.0	23.6	91.9	94.5	69.0-129			2.77	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3209565-1 04/10/17 05:57 • (LCSD) R3209565-2 04/10/17 06:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	25.0	23.5	24.1	94.0	96.4	68.0-122			2.54	20
1,1,2-Trichloroethane	25.0	22.1	22.5	88.3	90.1	78.0-120			1.95	20
Trichloroethene	25.0	23.8	24.5	95.1	98.1	78.0-120			3.15	20
Trichlorofluoromethane	25.0	24.1	25.0	96.4	99.9	56.0-137			3.59	20
1,2,4-Trimethylbenzene	25.0	23.0	23.8	92.2	95.1	75.0-120			3.16	20
1,3,5-Trimethylbenzene	25.0	22.7	23.2	90.6	92.8	75.0-120			2.38	20
Vinyl chloride	25.0	22.8	23.4	91.1	93.6	64.0-133			2.75	20
o-Xylene	25.0	20.3	20.9	81.4	83.6	78.0-120			2.68	20
m&p-Xylenes	50.0	40.1	41.0	80.3	81.9	77.0-120			2.02	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*99.3*	*98.5*	*76.0-123*				
(S) α,α,α-Trifluorotoluene				*104*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*101*	*80.0-120*				

L900611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L900611-02 04/10/17 11:35 • (MS) R3209565-4 04/10/17 11:52 • (MSD) R3209565-5 04/10/17 12:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	101	106	80.9	84.9	1	10.0-139			4.87	25
Benzene	25.0	ND	22.0	22.1	88.1	88.6	1	34.0-147			0.530	20
Bromodichloromethane	25.0	ND	24.8	25.4	99.0	102	1	52.0-135			2.71	20
Bromochloromethane	25.0	ND	23.1	23.4	92.3	93.7	1	53.0-138			1.46	20
Bromoform	25.0	ND	20.8	20.6	83.3	82.6	1	50.0-146			0.930	20
Bromomethane	25.0	ND	32.8	32.9	131	132	1	10.0-160			0.170	23
n-Butylbenzene	25.0	ND	23.5	24.0	93.9	95.9	1	50.0-144			2.11	20
sec-Butylbenzene	25.0	ND	24.5	24.4	98.0	97.8	1	48.0-143			0.250	20
tert-Butylbenzene	25.0	ND	22.4	22.3	89.5	89.4	1	50.0-142			0.170	20
Carbon disulfide	25.0	ND	25.8	26.2	103	105	1	10.0-147			1.60	20
Carbon tetrachloride	25.0	ND	24.4	23.4	97.6	93.5	1	41.0-138			4.24	20
Chlorobenzene	25.0	ND	24.4	25.2	97.5	101	1	52.0-141			3.19	20
Chlorodibromomethane	25.0	ND	23.2	24.1	92.8	96.6	1	54.0-142			4.01	20
Chloroethane	25.0	ND	23.8	23.7	95.1	94.8	1	23.0-160			0.380	20
Chloroform	25.0	ND	24.6	25.3	98.4	101	1	50.0-139			2.94	20
Chloromethane	25.0	ND	20.2	21.1	80.7	84.3	1	14.0-151			4.29	20
Cyclohexane	25.0	ND	23.4	23.7	93.5	94.8	1	70.0-130			1.40	20
1,2-Dibromo-3-Chloropropane	25.0	ND	20.2	20.7	80.9	82.9	1	49.0-144			2.46	24
1,2-Dibromoethane	25.0	ND	23.7	24.2	94.8	97.0	1	54.0-140			2.21	20
1,2-Dichlorobenzene	25.0	ND	23.9	24.6	95.6	98.4	1	56.0-139			2.92	20

L900611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L900611-02 04/10/17 11:35 • (MS) R3209565-4 04/10/17 11:52 • (MSD) R3209565-5 04/10/17 12:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3-Dichlorobenzene	25.0	ND	24.0	24.4	95.9	97.5	1	50.0-141			1.68	20
1,4-Dichlorobenzene	25.0	ND	23.2	23.8	92.9	95.1	1	53.0-136			2.29	20
Dichlorodifluoromethane	25.0	ND	26.3	26.3	105	105	1	20.0-160			0.0100	21
1,1-Dichloroethane	25.0	1.46	26.1	26.5	98.4	100	1	47.0-143			1.62	20
1,2-Dichloroethane	25.0	ND	26.6	27.5	107	110	1	47.0-141			3.09	20
1,1-Dichloroethene	25.0	3.89	29.4	30.3	102	106	1	31.0-148			3.22	20
cis-1,2-Dichloroethene	25.0	57.2	83.7	82.0	106	99.3	1	43.0-142			2.06	20
trans-1,2-Dichloroethene	25.0	ND	24.9	25.2	99.7	101	1	36.0-141			1.19	20
1,2-Dichloropropane	25.0	ND	24.2	24.4	96.9	97.4	1	51.0-141			0.520	20
cis-1,3-Dichloropropene	25.0	ND	26.0	26.2	104	105	1	53.0-139			0.690	20
trans-1,3-Dichloropropene	25.0	ND	24.7	25.1	98.9	100	1	51.0-143			1.54	20
Ethylbenzene	25.0	ND	22.0	22.0	88.0	88.1	1	42.0-147			0.0800	20
2-Hexanone	125	ND	106	107	84.5	85.8	1	36.0-145			1.49	23
Isopropylbenzene	25.0	ND	21.7	22.5	86.7	89.9	1	48.0-141			3.59	20
p-Isopropyltoluene	25.0	ND	25.4	25.7	102	103	1	49.0-146			1.13	20
2-Butanone (MEK)	125	ND	83.8	85.1	67.0	68.0	1	12.0-149			1.50	24
Methyl Acetate	125	ND	122	123	97.8	98.4	1	70.0-130			0.550	20.8
Methyl Cyclohexane	25.0	ND	26.8	26.8	107	107	1	70.0-130			0.0100	20.8
Methylene Chloride	25.0	ND	23.7	24.3	94.7	97.4	1	42.0-135			2.81	20
4-Methyl-2-pentanone (MIBK)	125	ND	114	114	91.0	91.3	1	44.0-160			0.340	22
Methyl tert-butyl ether	25.0	ND	23.7	23.6	94.8	94.4	1	42.0-142			0.380	20
Naphthalene	25.0	ND	18.6	19.5	74.3	78.1	1	42.0-146			4.98	24
n-Propylbenzene	25.0	ND	22.1	22.7	88.6	90.8	1	47.0-144			2.53	20
Styrene	25.0	ND	22.3	22.8	89.3	91.2	1	47.0-147			2.10	20
1,1,2,2-Tetrachloroethane	25.0	ND	22.4	23.2	89.4	92.8	1	46.0-149			3.73	20
Tetrachloroethene	25.0	1.54	27.0	27.2	102	103	1	38.0-147			0.790	20
Toluene	25.0	ND	22.3	22.4	89.3	89.8	1	42.0-141			0.560	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	24.9	25.5	99.5	102	1	40.0-151			2.38	21
1,2,3-Trichlorobenzene	25.0	ND	22.3	23.3	89.4	93.1	1	45.0-145			4.11	22
1,2,4-Trichlorobenzene	25.0	ND	23.7	24.6	94.9	98.4	1	49.0-147			3.61	21
1,1,1-Trichloroethane	25.0	32.6	59.5	58.4	108	103	1	46.0-140			1.95	20
1,1,2-Trichloroethane	25.0	ND	23.1	24.0	92.5	95.9	1	54.0-139			3.55	20
Trichloroethene	25.0	129	156	153	107	94.9	1	32.0-156			1.92	20
Trichlorofluoromethane	25.0	ND	27.1	27.9	108	111	1	32.0-152			2.72	20
1,2,4-Trimethylbenzene	25.0	ND	24.7	25.3	98.9	101	1	41.0-146			2.28	20
1,3,5-Trimethylbenzene	25.0	ND	23.8	24.7	95.4	98.6	1	44.0-143			3.34	20
Vinyl chloride	25.0	ND	25.4	25.6	102	102	1	24.0-153			0.600	20
o-Xylene	25.0	ND	21.5	22.1	85.9	88.4	1	44.0-146			2.94	20
m&p-Xylenes	50.0	ND	43.0	44.0	86.1	88.1	1	41.0-147			2.28	20
(S) Toluene-d8					*100*	*99.6*		*80.0-120*				

L900611-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L900611-02 04/10/17 11:35 • (MS) R3209565-4 04/10/17 11:52 • (MSD) R3209565-5 04/10/17 12:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Dibromofluoromethane					*101*	*101*		*76.0-123*				
(S) α,α,α-Trifluorotoluene					*102*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*101*	*101*		*80.0-120*				

Cp
1 Tc
2 Ss
3 Cn
4 Sr
5 Qc
6 Gl
7 Al
8 Sc
9

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Quality Control Summary
SDG: L900611
LaBella Associates, P.C.

Test: Volatile Organic Compounds by Method 8260C
Project No: 2161282
Project: Michelsen PDB April 2017
Collection Date: 4/4/2017
Analysis Date: 4/10/2017
Instrument ID: VOCMS28
Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG968208
Analyst: 178
Sample Numbers: L900611-01, -02, -03, -04, -05, -06, -07, -08, -09, -10

Method Blank Summary

Instrument	Client Sample ID	Lab Sample ID	File Name	Analysis Date	Analysis Time
VOCMS28	LCS WG968208	LCS WG968208	0410_03.D	4/10/2017	5:57 AM
VOCMS28	LCSD WG968208	LCSD WG968208	0410_04.D	4/10/2017	6:14 AM
VOCMS28	Blank WG968208	Blank WG968208	0410_06.D	4/10/2017	6:47 AM
VOCMS28	DUPE	L900611-01	0410_17.D	4/10/2017	11:18 AM
VOCMS28	IW-2	L900611-02	0410_18.D	4/10/2017	11:35 AM
VOCMS28	MS WG968208	MS WG968208	0410_19.D	4/10/2017	11:52 AM
VOCMS28	MSD WG968208	MSD WG968208	0410_20.D	4/10/2017	12:09 PM
VOCMS28	IW-3	L900611-03	0410_22.D	4/10/2017	12:42 PM
VOCMS28	BW-2	L900611-04	0410_23.D	4/10/2017	12:59 PM
VOCMS28	BW-3	L900611-05	0410_24.D	4/10/2017	1:16 PM
VOCMS28	BW-4	L900611-06	0410_25.D	4/10/2017	1:33 PM
VOCMS28	IW-5	L900611-07	0410_26.D	4/10/2017	1:50 PM
VOCMS28	IW-4	L900611-08	0410_27.D	4/10/2017	2:07 PM
VOCMS28	GPMW-26	L900611-09	0410_28.D	4/10/2017	2:23 PM
VOCMS28	GPMW-34	L900611-10	0410_29.D	4/10/2017	2:40 PM

Method Blank Summary

Instrument	Client Sample ID	Lab Sample ID	File Name	Analysis Date	Analysis Time
VOCMS38	BW-4	L900611-06	0411_67.D	4/12/2017	4:56 AM
VOCMS38	GPMW-34	L900611-10	0411_68.D	4/12/2017	5:09 AM

Parameters in bold text are reported in this SDG

ESC
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(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L900611
LaBella Associates, P.C.

Test: Volatile Organic Compounds by Method 8260C
Project No: 2161282
Project: Michelsen PDB April 2017
Collection Date: 4/4/2017
Analysis Date: 4/10/2017
Instrument ID: VOCMS28
Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG968208
Analyst: 178
Sample Numbers: L900611-01, -02, -03, -04, -05, -06, -07, -08, -09, -10

Internal Standard Response and Retention Time Summary

File ID: 0410_02
Analyzed: 04/10/17 054000

	IS1		IS2		IS3		IS4	
	Response	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
12 Hr. Std	333486	4.18	526824	4.50	96624	5.65	249613	8.03
Upper Limit	667000	4.68	1050000	5.00	193000	6.15	499000	8.53
Lower Limit	167000	3.68	263000	4.00	48300	5.15	125000	7.53
Sample ID	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
L900611-01	314525	4.18	511650	4.50	92098	5.65	218584	8.03
L900611-02	314760	4.18	506752	4.50	89793	5.65	218962	8.03
L900611-06	319134	4.18	511049	4.50	88944	5.65	216981	8.03
L900611-10	315120	4.18	532653	4.50	91432	5.65	222053	8.03
L900611-03	303082	4.18	492757	4.50	87336	5.65	212804	8.03
L900611-04	316192	4.18	508951	4.50	90999	5.65	221758	8.03
L900611-05	311688	4.18	497569	4.50	87680	5.65	216498	8.03
L900611-07	316673	4.18	502992	4.50	89937	5.65	223357	8.03
L900611-08	307672	4.18	499773	4.50	87669	5.65	216514	8.03
L900611-09	312605	4.18	506522	4.50	89648	5.65	219911	8.03
MSD WG968208	322911	4.18	526724	4.50	94594	5.65	235864	8.03
MS WG968208	319218	4.18	518867	4.50	93786	5.65	235637	8.03
LCSD WG968208	332109	4.17	538177	4.50	95767	5.65	241713	8.03
LCS WG968208	336621	4.17	536364	4.50	97865	5.65	245846	8.03
BLANK WG968208	311698	4.18	503450	4.50	90184	5.65	217610	8.03

Legend:
IS1 -- PENTAFLUOROBENZENE
IS2 -- 1,4-DIFLUOROBENZENE
IS3 -- 2-BROMO-1-CHLOROPROPANE
IS4 -- 1,4-DICHLOROBENZENE-D4

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L900611
LaBella Associates, P.C.

Test:	Volatile Organic Compounds by Method 8260C		
Project No:	2161282	Matrix:	Water - mg/L
Project:	Michelsen PDB April 2017	EPA ID:	TN00003
Collection Date:	4/4/2017	**Analytic Batch:**	**WG968208**
Analysis Date:	4/10/2017	Analyst:	178
Instrument ID:	VOCMS38		

Sample Numbers: L900611-01, -02, -03, -04, -05, -06, -07, -08, -09, -10

Internal Standard Response and Retention Time Summary

File ID: 0411_33
Analyzed: 04/11/17 201600

	IS1		IS2		IS3		IS4	
	Response	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
12 Hr. Std	454540	4.42	834643	4.75	154061	5.93	334036	7.99
Upper Limit	909000	4.92	1670000	5.25	308000	6.43	668000	8.49
Lower Limit	227000	3.92	417000	4.25	77000	5.43	167000	7.49
Sample ID	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
L900611-06	418680 ✓	4.42	772503 ✓	4.75	140870 ✓	5.93	291202 ✓	7.99
L900611-10	425462	4.42	790530	4.75	144533	5.93	303688	7.99

Legend:
IS1 -- PENTAFLUOROBENZENE
IS2 -- 1,4-DIFLUOROBENZENE
IS3 -- 2-BROMO-1-CHLOROPROPANE
IS4 -- 1,4-DICHLOROBENZENE-D4

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L900611
LaBella Associates, P.C.

Test: Volatile Organic Compounds by Method 8260C
Project No: 2161282
Project: Michelsen PDB April 2017
Collection Date: 4/4/2017
Analysis Date: 4/10/2017
Instrument ID: VOCMS28
Matrix: Water - mg/L
EPA ID: TN00003
Analytic Batch: WG968208
Analyst: 178
Sample Numbers: L900611-01, -02, -03, -04, -05, -06, -07, -08, -09, -10

Surrogate Summary

			BFB		TFT		DFM		TD8	
Laboratory Sample ID	Instrument	File ID	ppm	% Rec	ppm	% Rec	ppm	% Rec	ppm	% Rec
L900611-01	VOCMS28	0410_17	0.0398	99.4	0.0415	104	0.0407	102	0.0407	102
L900611-02	VOCMS28	0410_18	0.0397	99.2	0.0418	105	0.0390	97.4	0.0403	101
L900611-03	VOCMS28	0410_22	0.0401	100	0.0416	104	0.0408	102	0.0406	102
L900611-04	VOCMS28	0410_23	0.0404	101	0.0420	105	0.0395	98.7	0.0414	103
L900611-05	VOCMS28	0410_24	0.0406	102	0.0417	104	0.0389	97.2	0.0407	102
L900611-06	VOCMS28	0410_25	0.0408	102	0.0416	104	0.0402	100	0.0403	101
L900611-06	VOCMS38	0411_67	0.0387	96.7	0.0399	99.8	0.0426	106	0.0410	102
L900611-07	VOCMS28	0410_26	0.0403	101	0.0427	107	0.0394	98.4	0.0412	103
L900611-08	VOCMS28	0410_27	0.0406	101	0.0419	105	0.0403	101	0.0409	102
L900611-09	VOCMS28	0410_28	0.0401	100	0.0415	104	0.0397	99.2	0.0404	101
L900611-10	VOCMS38	0411_68	0.0391	97.7	0.0398	99.4	0.0426	106	0.0409	102
L900611-10	VOCMS28	0410_29	0.0398	99.6	0.0405	101	0.0395	98.7	0.0391	97.8
LCS WG968208	VOCMS28	0410_03	0.0405	101	0.0415	104	0.0397	99.3	0.0410	103
LCSD WG968208	VOCMS28	0410_04	0.0404	101	0.0416	104	0.0394	98.5	0.0408	102
BLANK WG968208	VOCMS28	0410_06	0.0406	102	0.0417	104	0.0393	98.2	0.0408	102
MS WG968208	VOCMS28	0410_19	0.0404	101	0.0408	102	0.0402	101	0.0401	100
MSD WG968208	VOCMS28	0410_20	0.0403	101	0.0409	102	0.0405	101	0.0398	99.6

BFB --4-BROMOFLUOROBENZENE	True Value: 0.04 ppm	Limits: 80 - 120
TFT --A,A,A-TRIFLUOROTOLUENE	True Value: 0.04 ppm	Limits: 80 - 120
DFM --DIBROMOFLUOROMETHANE	True Value: 0.04 ppm	Limits: 76 - 123
TD8 --TOLUENE-D8	True Value: 0.04 ppm	Limits: 80 - 120

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Quality Control Summary
SDG: L900611
LaBella Associates, P.C.

Test: Volatile Organic Compounds by Method 8260C
Project No: 2161282
Project: Michelsen PDB April 2017 EPA ID: TN00003
Collection Date: 4/4/2017
Instrument ID: VOCMS28

Instrument Performance Summary

FileID: 0410_02.D Date: 4/10/2017 Time: 5:40 AM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	25.3
75	30 - 60% of mass 95	56.8
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	6.8
173	0 - 2% of mass 174	0
174	50 - 100% of mass 95	77.1
175	5 - 9% of mass 174	8.6
176	95 - 101% of mass 174	96.8
177	5 - 9% of mass 176	6.8

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG968208	LCS WG968208	0410_03.D	4/10/2017	5:57 AM
LCSD WG968208	LCSD WG968208	0410_04.D	4/10/2017	6:14 AM
Blank WG968208	Blank WG968208	0410_06.D	4/10/2017	6:47 AM
DUPE	L900611-01	0410_17.D	4/10/2017	11:18 AM
IW-2	L900611-02	0410_18.D	4/10/2017	11:35 AM
MS WG968208	MS WG968208	0410_19.D	4/10/2017	11:52 AM
MSD WG968208	MSD WG968208	0410_20.D	4/10/2017	12:09 PM
IW-3	L900611-03	0410_22.D	4/10/2017	12:42 PM
BW-2	L900611-04	0410_23.D	4/10/2017	12:59 PM
BW-3	L900611-05	0410_24.D	4/10/2017	1:16 PM
BW-4	L900611-06	0410_25.D	4/10/2017	1:33 PM
IW-5	L900611-07	0410_26.D	4/10/2017	1:50 PM
IW-4	L900611-08	0410_27.D	4/10/2017	2:07 PM
GPMW-26	L900611-09	0410_28.D	4/10/2017	2:23 PM
GPMW-34	L900611-10	0410_29.D	4/10/2017	2:40 PM

** - *calibrated by linear regression*

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Quality Control Summary
SDG: L900611
LaBella Associates, P.C.

Test: Volatile Organic Compounds by Method 8260C
Project No: 2161282
Project: Michelsen PDB April 2017 EPA ID: TN00003
Collection Date: 4/4/2017
Instrument ID: VOCMS38

Instrument Performance Summary

FileID: 0411_33.D Date: 4/11/2017 Time: 8:16 PM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	21.7
75	30 - 60% of mass 95	51.7
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	6.6
173	0 - 2% of mass 174	1
174	50 - 100% of mass 95	68.4
175	5 - 9% of mass 174	7.4
176	95 - 101% of mass 174	96.6
177	5 - 9% of mass 176	6.5

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
BW-4	L900611-06	0411_67.D	4/12/2017	4:56 AM
GPMW-34	L900611-10	0411_68.D	4/12/2017	5:09 AM

** - *calibrated by linear regression*

LaBella Associates, D.P.C.

300 State Street
Rochester, New York 14614

Appendix C

Site Inspection Form

LABELLA
Associates, D.P.C.
300 State Street
Rochester, New York 14614
Phone: 585-454-6110
Fax: 585-454-3066

Site Wide Inspection Form

Project Name: Former Michelsen Furniture Co. Site

Location: 182 Avenue D & 374 Conkey Avenue

LaBella Project No.: 2161282

Inspected By: Dave Engert

Date of Inspection: 10/26/17

Weather Conditions: Partly cloudy ~50°F

	Comments
Compliance with SMP/Environmental Easement	Yes
Condition of SSDS	Working, all alarms tested
Condition of groundwater monitoring wells to be used for long-term monitoring as indicated in SMP.	Good
General site conditions at time of inspection	No deviations from prior
Site management activities currently being conducted (if any)	N/A
Site records up to date?	Yes.

Additional Notes/Comments:

LaBella Associates, D.P.C.

300 State Street
Rochester, New York 14614

Appendix D

Institutional Controls/Engineering Controls Certification Form

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. **C828189**

Site Name Former Michelsen Furniture Co. Site

Site Address: 182 Avenue D & 374 Conkey Avenue Zip Code: 14621
City/Town: Rochester
County: Monroe
Site Acreage: 0.6

Reporting Period: March 31, 2017 to March 31, 2018

	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.		
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? Restricted-Residential, 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?		X
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)	X	
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. C828189 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
091.77-2-31.001	M M Housing Dev. & Mills and Michelsen	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

A Site Management Plan which includes a soil excavation plan and IC/EC plan.

An environmental easement that requires compliance with SMP; provides for periodic certification; limits site use to restricted residential, commercial or industrial uses; and restricts the use of groundwater as a potable source.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
091.77-2-31.001	Groundwater Treatment System Vapor Mitigation Cover System

Cover System: The sitewide cover system consists either of the on-site buildings, pavement, sidewalks or two feet of clean soil.

Sub-slab Depressurization system: Continued operation of the SSDS in the main occupied building is required.

Groundwater Remediation System: Continued monitoring and operation of the groundwater treatment 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. C828189

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 Carolyn Vitale at 312 State St., Rochester NY
print name print business address

am certifying as 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

4/30/2018
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 DANIEL P. NOLL (print name) at LaBella Associates, D.P.C. 300 STATE STREET ROCHESTER NY (print business address)

am certifying as a Professional Engineer for the OWNER (Owner or Remedial Party)

STATE OF NEW YORK DANIEL P. NOLL No. 091995 LICENSED PROFESSIONAL ENGINEER

D P. N

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

Stamp (Required for PE)

4/30/18

Date