Final
Groundwater Monitoring Report
for the
West Van Buren Site in Phoenix, Arizona
Water Quality Assurance Revolving Fund
Arizona Superfund Response Action Contract

Contract Number: CTR045151

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Table of Contents

1.0 INTRODUCTION 1
2.0 SUMMARY OF GROUNDWATER MONITORING 1
2.1 Field Procedures 1
2.2 Data Quality Review 2
2.3 Summary of Field Observations during Sampling 3
2.4 Investigation Derived Waste 3
3.0 GROUNDWATER MONITORING RESULTS 3
3.1 Water Table Elevation Measurements 3
3.2 Water Quality Results - VOCs 3
4.0 REFERENCES 4

Appendix A – Data Validation and Laboratory Reports

List of Tables

Table 1 Groundwater Monitoring Event Field Notes
Table 2 Groundwater Level Measurements and Elevations
Table 3 Wells with AWQS Exceedances

List of Figures

Figure 1 Groundwater Elevations – Upper Alluvial Unit 1
Figure 2 Groundwater Elevations – Upper Alluvial Unit 2
Figure 3 Groundwater Elevations – Middle Alluvial Unit
Figure 4 Wells Measured Dry, Abandoned, and/or Capped
Figure 5 Upper Alluvial Unit 1 Wells – Estimated Extent of Chlorinated Volatile Organic Compounds
Figure 6 Upper Alluvial Unit 2 Wells – Estimated Extent of Chlorinated Volatile Organic Compounds
Figure 7 Middle Alluvial Unit Wells – Estimated Extent of Chlorinated Volatile Organic Compounds

1.0 INTRODUCTION

This report describes groundwater sampling activities and laboratory analytical results from the West Van Buren Water Quality Assurance Revolving Fund (WQARF) Registry Site (Site). The Matrix-CALIBRE Team completed the work described herein in accordance with a Task Order (PO0000114664) issued under the Arizona Superfund Response Action Contract ([ASRAC] Contract number CTR045151) with the Arizona Department of Environmental Quality (ADEQ).

Due to access issues for different areas, groundwater sampling was completed between August 2019 and January 2020 to collect water level data and characterize the volatile organic compound (VOC) plume at the Site. The objectives of the sampling described in this report were to confirm the current extent and concentrations of chemicals of concern (COCs). The important COCs have been identified in prior WQARF planning documents and subsequent groundwater monitoring events. The sampling described in this report was completed in compliance with the project Sampling and Analysis Plan (SAP, Matrix-CALIBRE 2015).

Information presented as Appendices to this report includes:

Appendix A - Data Validation and Laboratory Reports

2.0 SUMMARY OF GROUNDWATER MONITORING

A total of 130 wells were included in the groundwater monitoring efforts completed between August 2019 and January 2020. A summary of the field activities is presented in Table 1. A summary of the monitoring activities follows:

- Depth-to-water measurements were collected from a total of 116 wells;
- 84 wells were sampled for VOC analysis; and
- 46 wells were found to be either dry, abandoned, were unable to be located, or access to the well was not obtained.

The well locations included in the August, September, October, November, December, and January monitoring events are shown in Figures 1 through 3. Well locations that were determined to be dry, abandoned, or no access are shown in Figure 4. Depth-to-water measurements and groundwater elevations are shown in Table 2.

2.1 Field Procedures

Depth-to-water measurements were collected and recorded during the August to December 2019 sampling events using a Heron water-level indicator to measure the distance between a marked reference point at the top of each well casing and the water level within the monitoring well. Measurements were recorded to the nearest one-hundredth of a foot. Groundwater elevation data are presented in Table 2. The end of the water-level indicator (the end of the e-tape) was decontaminated between wells.

Groundwater samples were collected for VOC analysis in wells with sufficient water column using either a previously deployed passive diffusion bag (PDB), a hydrasleeve or, in two instances, from a tap (location AZZO-05) or backflow preventer valve (location AVB101-04) at wells with dedicated pumps. Six duplicate samples were collected during the groundwater sampling events as presented in the detection summary table (Table A-

1 in Appendix A).

Pre-cleaned sampling containers, with the appropriate preservative, were supplied by the Phoenix location of Eurofins Laboratories, Inc. (Eurofins), an Arizona-certified analytical laboratory. Samples for VOC analysis were collected in 40-mL volatile organic analyte (VOA) bottles pre-preserved with hydrochloric acid. Samples were collected so that no air bubbles remained within the VOA vials once the cap had been sealed. Immediately upon collection, sample labels and chain-of-custody forms were completed and labels were affixed to the bottles. The bottles were then placed in a cooler with ice and delivered to Eurofins in Phoenix under chain-of-custody procedures specified in the project Quality Assurance Project Plan (QAPP, Matrix-CALIBRE 2014). Copies of the chain-of-custody documents are included in the laboratory data reports presented in Appendix A.

2.2 Data Quality Review

Field data were reviewed for completeness with the overall project objectives.

Eurofins analyzed the groundwater samples for VOCs by using purge and trap gas chromatograph/mass spectrometer (GC/MS) method SW8260B. The samples were analyzed in accordance with procedures described in Test Methods for Evaluating Solid Waste, Physical and Chemical Methods (EPA SW-846 3rd Edition).

Eurofins conducted an initial data and internal quality control (QC) review prior to issuing analytical laboratory reports for the samples collected during the individual sampling events. Eurofins reviewed all analytical results against the laboratory QC acceptance criteria. If any deficiencies were identified, the analysis was repeated, validated, and, if acceptance criteria were met, reported. The laboratory followed method-specific QC procedures to evaluate performance and compare results with precision and accuracy criteria (from SW-846) as minimum guidelines for data validation.

Matrix-CALIBRE completed an independent review and assessment of the data upon receipt of the laboratory data packages. The project quality assurance (QA) scope includes a Tier 1a/1b data review and application of Arizona-specific data qualifiers, where necessary. The completed data review included:

1. Verification that the chain-of-custody was complete;
2. Verification that sample preservatives were suitable and holding times were met;
3. Verification that required data and documentation are present in the data package;
4. Review of the sample results and associated laboratory QC sample summary forms (including checking method QC criteria; method blank, laboratory control samples (LCS), laboratory control sample duplicate (LCSD), matrix spike/matrix spike duplicates (MS/MSD), surrogates, and other method-specific QC, as appropriate);
5. Verification that data are in correct physical units and dilution factors have been correctly applied; and
6. Confirmation that qualifiers are applied as necessary.

The QA/QC goal for field duplicates of aqueous samples specified in the project QAPP is less than 20% relative percent difference (RPD). Results from analyses of the field duplicate pairs met the project QA/QC goals with the exception of results for acetone. There were many acetone detections. Acetone was detected in the passive diffusion bag blank (PDB Blank – 20190917) and is also a common laboratory contaminant. Based on these

considerations, acetone was considered not detected and all acetone detections were qualified. Additional information regarding the data validation can be found in the data validation summaries and checklists included in Appendix A of this report.

Matrix-CALIBRE's data review indicated that the data quality is suitable for the intended purpose and is considered usable as qualified. Electronic data deliverables (EDDs) has been received from the laboratory and the data will be formatted and submitted for upload to the ADEQ database.

2.3 Summary of Field Observations during Sampling

The PDBs which were collected as part of the groundwater monitoring activities were all intact and in good condition with the following exceptions. PDBs that were placed in monitoring wells AVB66-01, AVB66-02, and PTG-7A were removed from the wells by unknown individuals on two occasions. This resulted in PDBs being deployed three times at these locations prior to completing groundwater sample collection. Observations made while retrieving the PDBs and sampling hydrasleeves are tabulated in Table 1.

2.4 Investigation Derived Waste

Investigation-derived-waste (IDW) consisted of small amounts of water remaining within the PDB samplers and hydrasleeve samplers. IDW water that remained within the PDBs and hydrasleeves was poured back into the wells they were retrieved from.

3.0 GROUNDWATER MONITORING RESULTS

3.1 Water Table Elevation Measurements

Groundwater elevation information is presented in Table 2. Groundwater surface contours and interpretation of groundwater flow paths for the Upper Alluvial Unit 1 (UAU 1), Upper Alluvial Unit 2 (UAU 2), and Middle Alluvial Unit (MAU), respectively are presented in Figures 1 through 3. As depicted in Figure 1 the groundwater flow direction in the UAU 1 is predominately to the west. Groundwater flow in UAU 1 is toward the east near the western boundary of the Site. The groundwater flow direction in the UAU 2 and the MAU is also toward the west becoming more northerly along the western edge of the Site (Figures 2 and 3 respectively).

3.2 Water Quality Results - VOCs

As presented in Table A-1 (Appendix A) several VOCs were detected in groundwater samples collected at the Site. Compounds that were detected above their respective Aquifer Water Quality Standards (AWQS) are presented in Table 3 and include 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (c1,2-DCE), tetrachloroethene (PCE), and trichloroethene (TCE). Figures 5 through 7 present the well locations and concentration data for 22 monitoring wells exhibiting VOC concentrations exceeding their respective AWQS. The complete analytical results including all analytes reported as non-detect are included in Appendix A.

With regard to COCs, 1,1-DCE was detected at concentrations ranging from non-detect to 14 micrograms per liter (μg/l) as compared to the AWQS of 7 μg/l. PCE concentrations ranged from 0.29 to 11 μg/l as compared to the AWQS of 5 μg/l. Finally, TCE concentrations ranged from non-detect to 110 μg/l as compared to the AWQS of 5 μg/l. Monitoring wells exhibiting COC detections above the AWQS are presented in Table 3. Figures 5 to 7

present the locations of monitoring wells exhibiting COC exceedances by hydrogeologic unit (UAU 1, UAU 2, and MAU, respectively).

4.0 REFERENCES

Matrix-CALIBRE, 2014. Quality Assurance Program Plan Water Quality Assurance Revolving Fund Sites Arizona Superfund Response Action Contract. Prepared for Arizona Department of Environmental Quality. December 2014.

Matrix-CALIBRE, 2015. Sampling and Analysis Plan West Van Buren Water Quality Assurance Revolving Fund Site. Prepared for Arizona Department of Environmental Quality. January 2015.

Terranext, 2012. Remedial Investigation for West Van Buren Area Water Quality Assurance Revolving Fund Site. Prepared for Arizona Department of Environmental Quality. August 2012.

Tables

Table 1 - Groundwater Monitoring Event Field Notes
West Van Buren WQARF Site Phoenix, Arizona

Well ID	Monitoring Date	Sample Date	PDB Installed	PDB installed prior to monitoring event	Irrigation Well/ Production Well Sample	Dry Well	Notes
AVB10-01	10-1-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB10-02	10-1-19	10-15-19	X				PDB installed; PDB sample collected
AVB12-01	9-30-19	10-15-19	X				PDB installed; PDB sample collected
AVB14-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB18-01	10-2-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB20-01							Abandoned
AVB20-02	10-2-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB20-03	10-2-19						Visited site and there is dedicated pump in well; no sample; gauge only; no plan to sample
AVB25-01	9-30-19						Unable to locate
AVB26-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB37-04	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB40-08	11-5-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB53-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB60-01	10-1-19	10-15-19	X				PDB installed; PDB sample collected
AVB61-01	10-1-19	10-15-19	X				PDB installed; PDB sample collected
AVB65-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB66-01	12-12-19	1-2-20	X				PDB installed; PDB sample collected; 3 PDB's Installed 3 different times; 2 removed from well by someone before sampling
AVB66-02	12-12-19	1-2-20	X				PDB installed; PDB sample collected; 3 PDB's Installed 3 different times; 2 removed from well by someone before sampling
AVB68-01	8-29-19	9-19-19	X				PDB installed; PDB sample collected
AVB68-02	8-28-19; 9-19-19; 9-30-19	9-30-19	X				PDB in well was not installed at proper depth, lowered PDB to 119 feet; PDB sampled
AVB68-03	8-28-09	9-19-19	X				PDB stuck in well installed a Hydra Sleeve; Hydra Sleeve sample collected
AVB68-04	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB69-01	8-28-19	9-19-19	X				PDB installed; PDB sample collected
AVB69-02R	8-28-19; 9-19-19		X			X	PDB installed on 8/28/2019; Dry Well on 9/19/2019; No PDB sample collected
AVB70-01	8-28-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB71-01	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB72-01	8-28-19	8-28-19		X			PDB was installed prior to start of monitoring event; Dry well; PDB sample collected
AVB73-01	10-1-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB74-01	10-1-19	10-15-19	X				PDB Installed; PDB sample collected
AVB75-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB76-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB77-01	11-7-19			X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB77-02	11-7-19			X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB77-03	11-7-19			X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB 78-01	8-27-19	9-18-19	X				PDB stuck in well so installed Hydra Sleeve; Hydra Sleeve sample collected
AVB 78-02	8-27-19	9-18-19	X				PDB stuck in well so installed Hydra Sleeve; Hydra Sleeve sample collected
AVB 78-03	8-27-19	9-18-19	X				PDB stuck in well so installed Hydra Sleeve; Hydra Sleeve sample collected
AVB81-01	8-27-19	9-17-19	X				PDB installed; PDB sample collected

Table 1 - Groundwater Monitoring Event Field Notes
West Van Buren WQARF Site Phoenix, Arizona

Well ID	Monitoring Date	Sample Date	PDB Installed	PDB installed prior to monitoring event	Irrigation Well/ Production Well Sample	Dry Well	Notes
AVB81-02	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB82-01	8-30-19	10-1-19	X				PDB installed; PDB sample collected
AVB82-02	8-30-19	10-1-19	X				PDB installed; PDB sample collected
AVB83-01	8-28-19	9-19-19	X				PDB installed; PDB sample collected
AVB84-01	8-29-19; 9-19-19		X			X	PDB installed on 8/29/2019; Dry well 9/19/2019; No PDB sample
AVB85-01	8-27-19	8-27-19		X			PDB was installed prior to start of monitoring event; PDB was above water table; PDB sample collected
AVB86-01	8-30-19	8-30-19		X			PDB was installed prior to start of monitoring event; Dry well; PDB sample collected
AVB87-01	8-30-19	8-30-19		X			PDB was installed prior to start of monitoring event; Dry well; PDB sample collected
AVB88-01	8-28-19; 9-19-19		X			X	PDB installed on 8/28/2019; Dry Well on 9/19/2019; No PDB sample collected
AVB91-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB91-02	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB91-03	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB92-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB92-02	8-27-19	8-27-19		X			Hydra Sleeve was installed prior to monitoring event; Hydra Sleeve sample collected
AVB93-01	9-13-19	9-30-19	X				Monitoring well was buried; went out and located and installed PDB; PDB sample collected
AVB94-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB94-02	8-27-19	8-27-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB95-01	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB was above water table; PDB sample collected
AVB95-02	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB96-01	8-29-19					X	<2 Feet of water; Did not install PDB
AVB96-02	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB sample collected; Duplicate sample
AVB97-01	8-28-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB98-01	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB99-01	9-13-19					X	Monitoring well was buried; went out and located; Dry well; No PDB Installed; No PDB sample collected
AVB100-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample
AVB101-01							Well Abandoned
AVB101-02							Well Abandoned
AVB101-03							Well Abandoned
AVB101-04	10-2-19	10-2-19			X		Sample collected from back flow preventer valve
AVB103-02	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB104-02	10-16-19						Spent time looking for monitoring well; ADEQ arranged meeting with onsite manager; unable to locate; ADEQ confirmed well was abandoned
AVB105-01	9-30-19						Well lid bolts are welded-can't open
AVB105-02	9-30-19						Well lid bolts are welded-can't open
AVB106-01	9-30-19	10-15-19	X				PDB installed; PDB sample collected
AVB106-02	9-30-19	9-30-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB 106-03	9-30-19	9-30-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB107-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB108-01	10-1-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB108-02	10-1-19	10-15-19	X				PDB installed; PDB sample collected
AVB113-01							Denied access from property owner

Table 1 - Groundwater Monitoring Event Field Notes
West Van Buren WQARF Site Phoenix, Arizona

Well ID	Monitoring Date	Sample Date	PDB Installed	PDB installed prior to monitoring event	Irrigation Well/ Production Well Sample	Dry Well	Notes
AVB114-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB115-01	8-29-19	9-19-19	X				PDB installed; PDB sample collected
AVB116-01	8-28-19	8-28-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB116-02	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB117-01	8-27-19	8-27-19		X			PDB was hung prior to start of monitoring event; PDB sample collected
AVB 118-01	9-30-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB119-01	8-27-19					X	No PDB; Dry well; No PDB installed; No PDB sample collected
AVB120-01	8-29-19	9-19-19	X				PDB installed; PDB sample collected
AVB120-02	8-29-19	9-19-19	X				PDB installed; PDB sample collected
AVB120-03	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB121-01	8-27-19	8-27-19		X			PDB was hung prior to start of monitoring event; PDB was above water table; PDB sample collected
AVB121-02	8-27-19	9-19-19		X			PDB was hung prior to start of monitoring event; PDB sample collected
AVB122-01	8-26-19	8-26-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB122-02	8-26-19	8-26-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB122-03	8-26-19	9-17-19	X				PDB installed; PDB sample collected
AVB123-01	8-28-19	8-28-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB124-01	8-28-19	8-28-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB124-02	8-28-19	9-19-19	X				PDB installed; PDB sample collected; Duplicate sample
AVB125-01	8-28-19	8-28-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB126-01	8-28-19	9-17-19	X				PDB installed; PDB sample collected
AVB126-02	8-28-19	9-17-19	X				PDB installed; PDB sample collected
AVB126-03	8-28-19	9-17-19	X				PDB installed; PDB sample collected
AVB127-01	8-28-19	9-17-19	X				PDB installed; PDB sample collected; Duplicate Sample
AVB128-01	8-27-19	8-27-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB129-01	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB129-02	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB130-01	8-27-19	8-27-19		X			Hydra Sleeve was installed prior to monitoring event; Hydra Sleeve sample collected
AVB131-01	8-28-19	9-19-19	X				PDB installed; PDB sample collected
AVB 131-02	9-30-19	10-15-19	X				PDB installed; PDB sample collected
AVB132-01	8-29-19	8-29-19		X			PDB was installed prior to start of monitoring event; PDB sample collected
AVB132-02	8-29-19	9-19-19	X				PDB installed; PDB sample collected
AVB133-01	8-27-19	9-19-19	X				PDB installed; PDB sample collected
AVB134-01	8-28-19	8-28-19		X			PDB was hung prior to start of monitoring event; PDB was above water table; PDB sample collected
AVB134-02	8-28-19	8-28-19		X			PDB was hung previous to start of moniotoring event; PDB sample collected
AVB135-01	8-27-19	9-19-19	X				PDB installed; PDB sample collected
AVB136-01	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB137-01	8-27-19	9-17-19	X				PDB installed; PDB sample collected
AVB139-01	8-27-19	9-19-19	X				PDB installed; PDB sample collected
AVB140-01	9-30-19	10-15-19	X				PDB installed; PDB sample collected
AVB141-01	8-27-19	9-19-19	X				PDB installed; PDB sample collected
AVB142-01	8-27-19						Unable to locate; Well is paved over with asphalt

Table 1 - Groundwater Monitoring Event Field Notes
West Van Buren WQARF Site Phoenix, Arizona

Well ID	Monitoring Date	Sample Date	PDB Installed	PDB installed prior to monitoring event	Irrigation Well/ Production Well Sample	Dry Well	Notes
AVB143-01	9-30-19	10-15-19	X				PDB installed; PDB sample collected
AVB145-01	10-1-19	10-15-19	X				PDB installed; PDB sample collected
AZZO-05	10-1-19	10-1-19			X		Sample collected from tap connected to well behind main office
DIMW-5A	10-2-19	10-16-19	X				PDB installed; PDB sample collected
DIMW-6A	10-2-19	10-16-19	X				PDB installed; PDB sample collected
DIMW-7A	10-2-19	10-16-19	X				PDB installed; PDB sample collected
DIMW-8D	10-2-19	10-16-19	X				PDB installed; PDB sample collected
DIMW-9D	10-2-19	10-16-19	X				PDB installed; PDB sample collected
SRP-PTG1A	10-15-19						Unable to get large metal square well lid open; spent time attempting to open
SRP-PTG1B	10-15-19						Unable to get large metal square well lid open; spent time attempting to open
PTG-7A	12-12-19	1-2-20	X				PDB installed; PDB sample collected; 3 PDB's Installed 3 different times; 2 removed from well by someone before sampling

Notes

PDB - Passive diffusion bag

Table 2 - Groundwater Level Measurements and Elevations
West Van Buren WQARF Site Pheonix, Arizona

Monitoring Well ID	Monitoring Date	Depth to water (ft btoc)	TOC (ft amsl)	Groundwater Elevation (ft amsl)
AVB10-01	10-1-19	Dry Well	1,035.00	NA
AVB10-02	10-1-19	122.97	1,035.21	912.24
AVB12-01	9-30-19	108.13	1,076.35	968.22
AVB14-01	9-30-19	Dry Well	1,080.02	NA
AVB18-01	10-2-19	Dry Well	1,079.26	NA
AVB20-02	10-2-19	Dry Well	1,044.47	NA
AVB20-03	10-2-19	137.14	1044.47	907.33
AVB26-01	9-30-19	Dry Well	1,067.20	NA
AVB37-04	9-30-19	Dry Well	1051.12	NA
AVB40-08	11-5-19	Dry Well	1,076.99	NA
AVB53-01	9-30-19	Dry Well	1,056.08	NA
AVB60-01	10-1-19	120.12	1,028.16	908.04
AVB61-01	10-1-19	112.65	1,023.98	911.33
AVB65-01	8-27-19	Dry Well	1,055.82	NA
AVB66-01	10-15-19	117.82	1,046.71	928.89
AVB66-02	10-15-19	137.91	1,046.68	908.77
AVB68-01	8-29-19	112.9	1,075.56	962.66
AVB68-02	8-28-19	114.49	1,075.77	961.28
AVB68-03	8-28-09	114.87	1,075.91	961.04
AVB68-04	8-29-19	114.64	1,075.60	960.96
AVB69-01	8-28-19	120.15	1,057.22	937.07
AVB69-02R	8-28-19	117.17	1,057.48	940.31
AVB70-01	8-28-19	Dry Well	1064.63	NA
AVB71-01	8-27-19	117.92	1,023.30	905.38
AVB72-01	8-28-19	Dry Well	1066.90	NA
AVB73-01	10-1-19	Dry Well	1,031.04	NA
AVB74-01	10-1-19	86.10	1,025.39	939.29
AVB75-01	8-27-19	Dry Well	1035.07	NA
AVB76-01	8-27-19	Dry Well	1,026.30	NA
AVB77-01	11-7-19	107.82	Unknown	NA
AVB77-02	11-7-19	109.45	1,075.41	965.96
AVB77-03	11-7-19	109.20	1,076.12	966.92
AVB 78-01	8-27-19	159.15	1,045.31	886.16
AVB 78-02	8-27-19	160.24	1,045.30	885.06
AVB 78-03	8-27-19	157.34	1,045.28	887.94
AVB81-01	8-27-19	122.00	1,027.45	905.45
AVB81-02	8-27-19	Dry Well	1,027.45	NA
AVB82-01	8-30-19	141.35	1,041.11	899.76
AVB82-02	8-30-19	142.62	1,039.79	897.17
AVB83-01	8-28-19	112.7	1,039.79	927.09
AVB84-01	8-29-19	116.7	1,056.22	939.52

Table 2 - Groundwater Level Measurements and Elevations
West Van Buren WQARF Site Pheonix, Arizona

Monitoring Well ID	Monitoring Date	Depth to water (ft btoc)	TOC (ft amsl)	Groundwater Elevation (ft amsl)
AVB85-01	8-27-19	110.11	1,066.47	956.36
AVB86-01	8-30-19	Dry Well	1,043.06	NA
AVB87-01	8-30-19	Dry Well	1,053.75	NA
AVB88-01	8-28-19	116.56	1,048.78	932.22
AVB91-01	8-27-19	Dry Well	1,042.63	NA
AVB91-02	8-27-19	142.57	1,042.62	900.05
AVB91-03	8-27-19	144.50	1,042.92	898.42
AVB92-01	8-27-19	Dry Well	1,063.32	NA
AVB92-02	8-27-19	155.75	1063.32	907.57
AVB93-01	9-13-19	137.95	1061.46	923.51
AVB94-01	8-27-19	Dry Well	1067.29	NA
AVB94-02	8-27-19	156.68	1067.16	910.48
AVB95-01	8-29-19	139.55	1,070.48	930.93
AVB95-02	8-29-19	146.65	1,073.44	926.79
AVB96-01	8-29-19	138.10	1,049.53	911.43
AVB96-02	8-29-19	148.38	1,049.74	901.36
AVB97-01	8-28-19	119.94	1,052.80	932.86
AVB98-01	8-27-19	125.15	1,026.97	901.82
AVB99-01	9-13-19	Dry Well	1,065.44	NA
AVB100-01	9-30-19	Dry Well	1,063.10	NA
AVB103-02	9-30-19	Dry Well	1,061.64	NA
AVB106-01	9-30-19	102.05	1076.62	974.57
AVB106-02	9-30-19	107.81	1,076.99	969.18
AVB 106-03	9-30-19	107.58	1,076.33	968.75
AVB107-01	9-30-19	Dry Well	1042.00	NA
AVB108-01	10-1-19	Dry Well	1056.09	NA
AVB108-02	10-1-19	143.19	1054.41	911.22
AVB114-01	9-30-19	Dry Well	1,042.10	NA
AVB115-01	8-29-19	111.85	1,076.20	964.35
AVB116-01	8-28-19	120.89	1066.68	945.79
AVB116-02	8-29-19	120.04	1,065.26	945.22
AVB117-01	8-27-19	149.72	1,067.34	917.62
AVB 118-01	9-30-19	Dry Well	1,071.93	NA
AVB119-01	8-27-19	Dry Well	1,066.67	NA
AVB120-01	8-29-19	133.11	1,050.44	917.33
AVB120-02	8-29-19	133.69	1,050.75	917.06
AVB120-03	8-29-19	143.22	1,050.13	906.91
AVB121-01	8-27-19	115.71	1,035.59	919.88
AVB121-02	8-27-19	115.56	1,035.75	920.19
AVB122-01	8-26-19	139.96	1,046.66	906.7
AVB122-02	8-26-19	139.59	1,046.86	907.27

Table 2 - Groundwater Level Measurements and Elevations
West Van Buren WQARF Site Pheonix, Arizona

Monitoring Well ID	Monitoring Date	Depth to water (ft btoc)	TOC (ft amsl)	Groundwater Elevation (ft amsl)
AVB122-03	8-26-19	139.92	1,046.96	907.04
AVB123-01	8-28-19	112.58	1074.01	961.43
AVB124-01	8-28-19	118.11	1070.18	952.07
AVB124-02	8-28-19	109.30	1,070.26	960.96
AVB125-01	8-28-19	118.31	1056.66	938.35
AVB126-01	8-28-19	128.11	1064.28	936.17
AVB126-02	8-28-19	128.10	1064.03	935.93
AVB126-03	8-28-19	138.88	1,064.48	925.6
AVB127-01	8-28-19	133.70	1061.77	928.07
AVB128-01	8-27-19	145.92	1,055.76	909.84
AVB129-01	8-27-19	129.24	1,040.58	911.34
AVB129-02	8-27-19	141.39	1,040.58	899.19
AVB130-01	8-27-19	147.73	1074.97	927.24
AVB131-01	8-28-19	109.15	1,076.80	967.65
AVB 131-02	9-30-19	118.35	Unknown	NA
AVB132-01	8-29-19	131.75	1,067.30	935.55
AVB132-02	8-29-19	134.01	1,067.17	933.16
AVB133-01	8-27-19	117.90	1,064.71	946.81
AVB134-01	8-28-19	133.62	1060.59	926.97
AVB134-02	8-28-19	132.77	1061.03	928.26
AVB135-01	8-27-19	127.22	1,034.36	907.14
AVB136-01	8-27-19	126.14	1041.94	915.8
AVB137-01	8-27-19	117.73	1,034.09	916.36
AVB139-01	8-27-19	118.09	1,016.48	898.39
AVB140-01	9-30-19	102.57	Unknown	NA
AVB141-01	8-27-19	159.99	1,065.79	905.8
AVB143-01	9-30-19	111.23	1,069.08	957.85
AVB145-01	10-1-19	135.20	Unknown	NA
DIMW-5A	10-2-19	127.30	1,037.56	910.26
DIMW-6A	10-2-19	129.56	1,039.06	909.5
DIMW-7A	10-2-19	130.18	1,040.38	910.2
DIMW-8D	10-2-19	129.31	1,038.68	909.37
DIMW-9D	10-2-19	130.15	1,039.52	909.37
PTG-7A	9-30-19	105.39	Unknown	NA

Notes:

amsl - above mean sea level
btoc - below top of casing
ft - feet
NA - Not Available
TOC - top of casing

Table 3 - Wells with AWQS Exceedances
West Van Buren WQARF Site Pheonix, Arizona

	Sample_ID		AVB 101-04-20191002	AVB106-01-20191015	AVB 115-01-20190919	AVB 120-01-20190919	AVB 120-02-20190919	AVB 120-03-20190829	AVB 124-01-20190828	AVB 125-01-20190828
	Date Sampled		10-2-19	10-15-19	9-19-19	9-19-19	9-19-19	8-29-19	8-28-19	8-28-19
Analyte (µg/L)	AWQS									
1,1-Dichloroethene	7		1.4 E4	< 5 E8	1.4 E4	3.3 E4	1.4 E4	0.52 E4	11 R6	< 5 E8
Tetrachloroethene	5		8.3	0.87 E4	0.59 E4	8.1	7.8	11	5.3	7.4
Trichloroethene	5		45	9	16	72	75	29	110	< 2 E8

Notes:
E4 - Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
E8 - Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
R6 - LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
µg/L - micrograms per liter
AWQS - Aquifer Water Quality Standards, Arizona Administrative Code, 18 A.A.C.11 Title 18, Ch.11, December 2016

Table 3 - Wells with AWQS Exceedances
West Van Buren WQARF Site Pheonix, Arizona

	Sample_ID		AVB 126-02-20190917	AVB 127-01-20190917	AVB 128-01-20190827	AVB 130-01-20190827	AVB 132-01-20190829	AVB 132-02-20190919	AVB 134-01-20190828	AVB 134-02-20190828
	Date Sampled		9-17-19	9-17-19	8-27-19	8-27-19	8-29-19	9-19-19	8-28-19	8-28-19
Analyte (µg/L)	AWQS									
1,1-Dichloroethene	7		2.3 E4	6.3	0.27 E4	1.8 E4	12	2 E4	4.3 E4	14
Tetrachloroethene	5		0.36 E4	2.9	3.2	0.29 E4	4.4	2.5	1.8 E4	5
Trichloroethene	5		6.1	60	7.9	20	94 M2	17	23	90

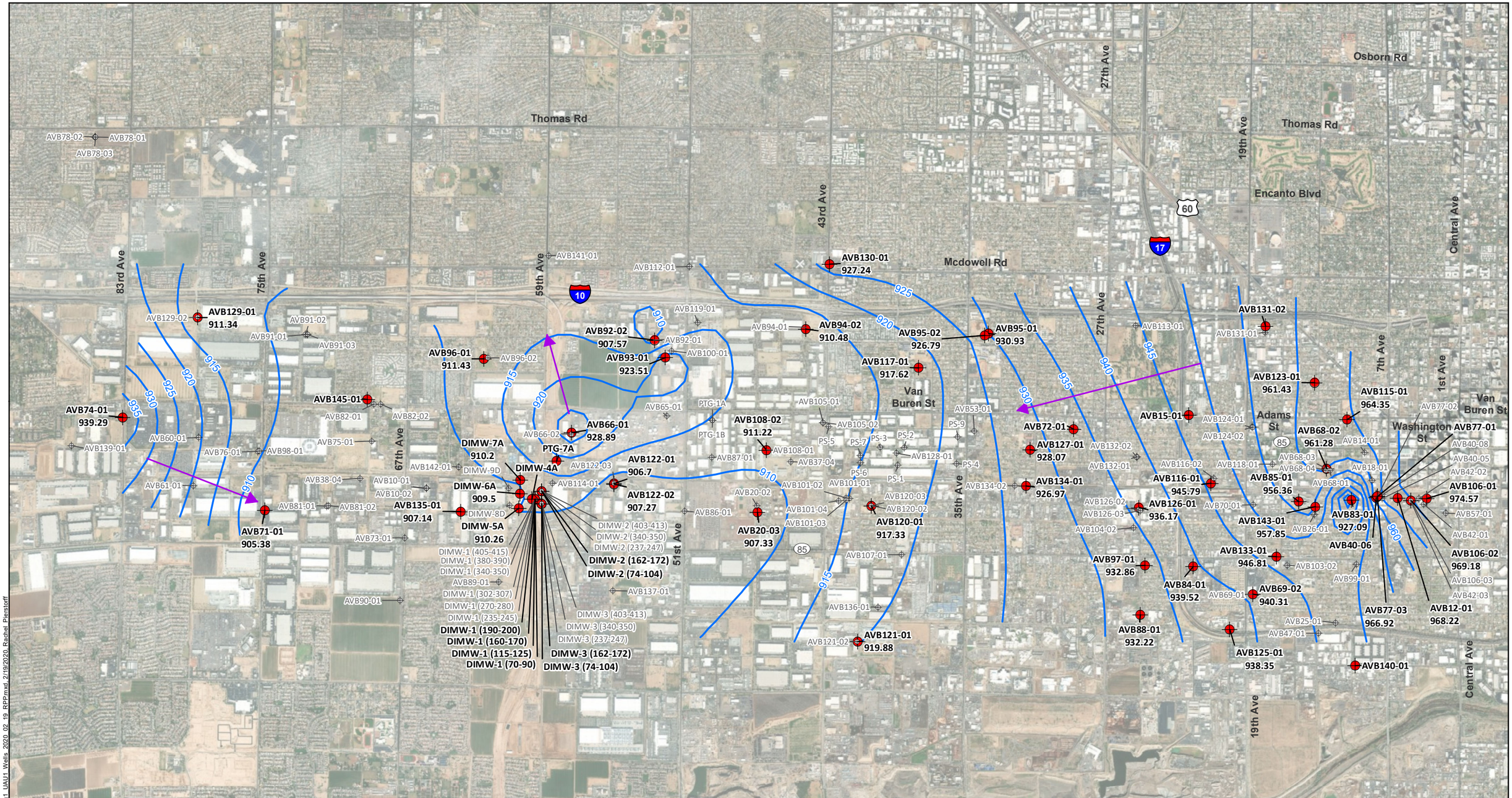
Notes:
E4 - Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
E8 - Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
R6 - LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
µg/L - micrograms per liter
AWQS - Aquifer Water Quality Standards, Arizona Administrative Code, 18 A.A.C.11 Title 18, Ch.11, December 2016

Table 3 - Wells with AWQS Exceedances
West Van Buren WQARF Site Pheonix, Arizona

	Sample_ID		AVB 136-01-20190917	AVB66-02-20200102	AVB 72-01-20190828	AVB 82-02-20191001	AVB 83-01-20190919	AVB 93-01-20190930
	Date Sampled		9-17-19	1-6-20	8-28-19	10/01/2019	9-19-19	9-30-19
Analyte (µg/L)	AWQS							
1,1-Dichloroethene	7		2.1 E4	2.2 E4	0.61 E4	2.1 E4	< 5 E8	< 5 E8
Tetrachloroethene	5		2.4	7.8	9.3	1.2 E4	5.2	5.6
Trichloroethene	5		10	9	12	6.7	3.8	< 2 E8

Notes:
E4 - Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
E8 - Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
R6 - LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
µg/L - micrograms per liter
AWQS - Aquifer Water Quality Standards, Arizona Administrative Code, 18 A.A.C.11 Title 18, Ch.11, December 2016

Figures



Drawn By: RPP

QC'd By: MG

Date: 2/19/2020

Legend

AVB86-01 Sampled Upper Alluvial Unit 1 Well Location and **ID**

Other Monitoring Well

Groundwater Elevation Contour

Groundwater Gradient Direction

Note: Groundwater samples collected from indicated wells Aug. 2019 to Jan. 2020.
Well AZZO-05 not shown (no groundwater level data).

Groundwater Elevations - Upper Alluvial Unit 1

Groundwater Monitoring Report
West Van Buren WQARF Site

0 0.25 0.5 1 Miles

ADEQ Arizona Department of Environmental Quality

Matrix ENVIRONMENTAL

CALIBRE

Figure 1

FILE: G:\gis_projects\ADEQ\active\apps\WVB\Fig1_UAU1_Wells_2020_02_19_RPP.mxd, 2/19/2020, Rachel Pierstorff

Drawn By: RPP

QC'd By: MG

Date: 2/19/2020

Legend

AVB86-01 Sampled Upper Alluvial Unit 2 Well Location and **ID**

Other Monitoring Well

Groundwater Elevation Contour

Groundwater Gradient Direction

Note: Groundwater samples collected from indicated wells Aug. 2019 to Jan. 2020.
Well AZZO-05 not shown (no groundwater level data).

Groundwater Elevations - Upper Alluvial Unit 2

Groundwater Monitoring Report
West Van Buren WQARF Site

0 0.25 0.5 1 Miles

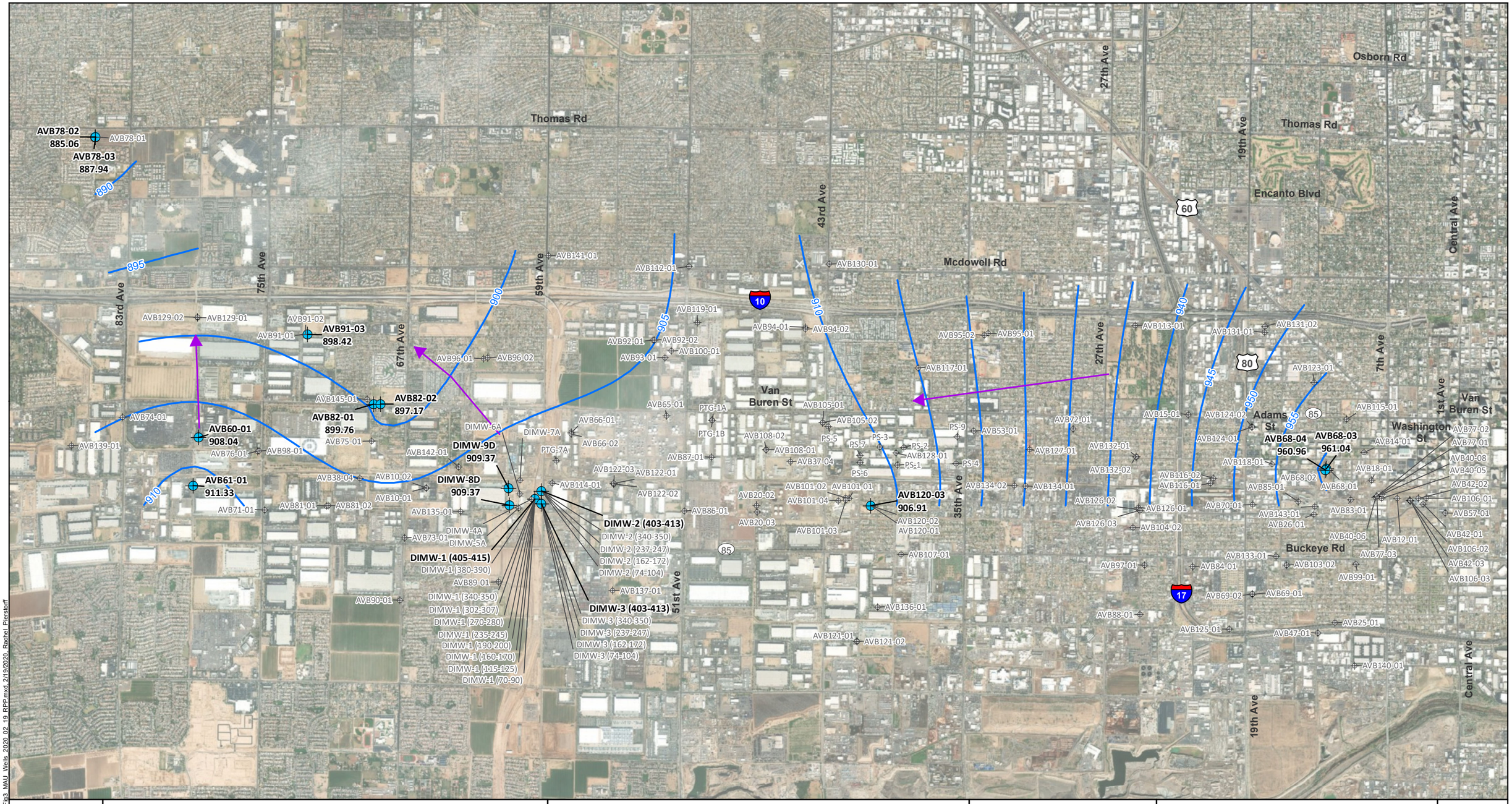
ADEQ Arizona Department of Environmental Quality

Matrix ENVIRONMENTAL

CALIBRE

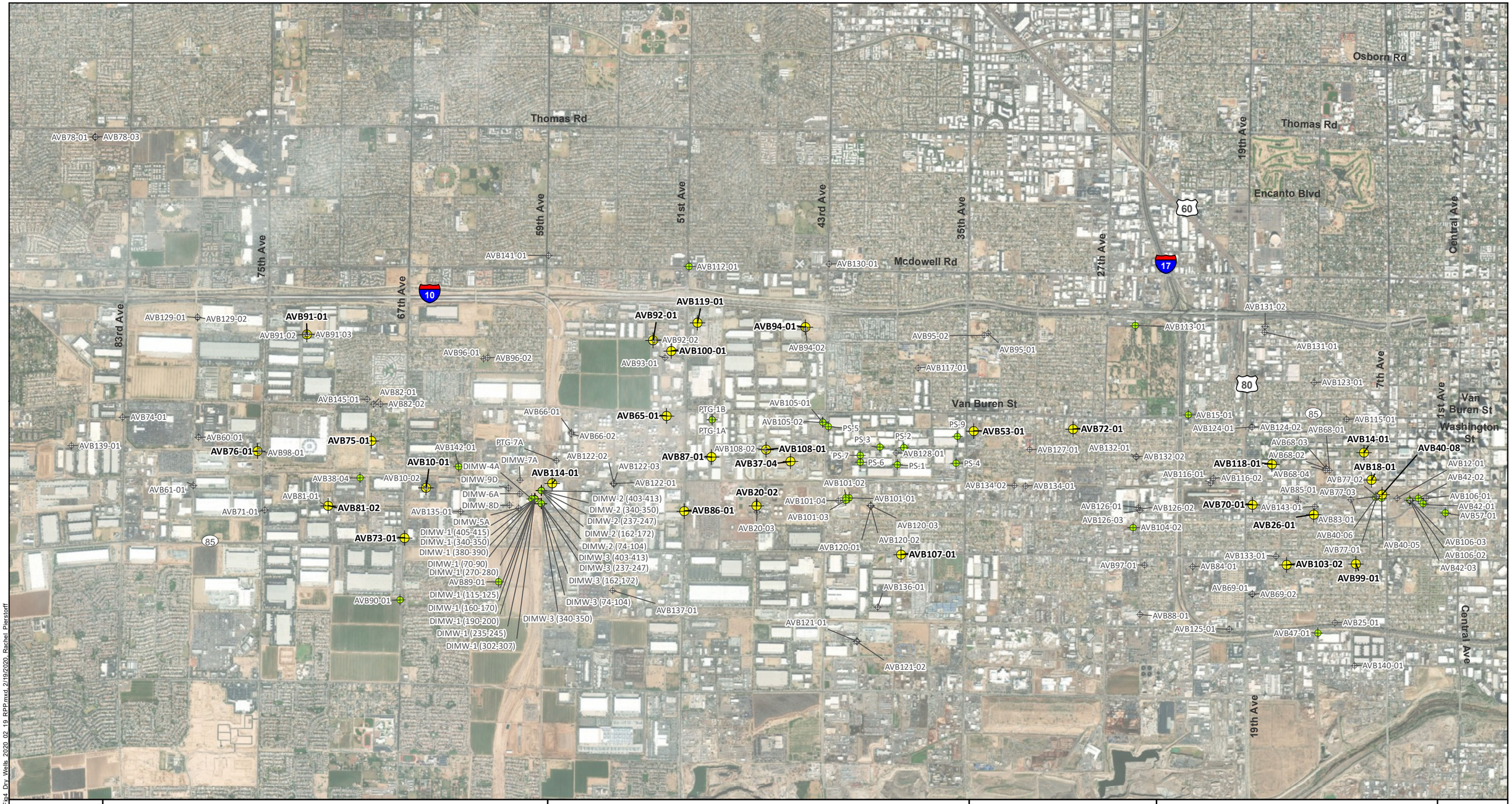
Figure 2

FILE: G:\gis_projects\ADEQ\active\apps\WVBIFs2_UAU2_Wells_2020_02_19_RPP.mxd, 2/19/2020, Rachel Pierstorff



Drawn By: RPP QC'd By: MG Date: 2/19/2020	**Legend** AVB86-01 Sampled Middle Alluvial Unit Well Location and **ID** Other Monitoring Well Groundwater Elevation Contour Groundwater Gradient Direction Note: Groundwater samples collected from indicated wells Aug. 2019 to Jan. 2020. Well AZZ0-05 not shown (no groundwater level data).	**Groundwater Elevations - Middle Alluvial Unit** Groundwater Monitoring Report West Van Buren WQARF Site	0 0.25 0.5 1 Miles	ADEQ Arizona Department of Environmental Quality Matrix ENVIRONMENTAL CALIBRE	Figure 3

FILE: G:\gis_projects\ADEQ\active\wpa\WVBFig3_MAU_Wells_2020_02_19_RPP.mxd, 2/19/2020, Rachel Pierstorff



Drawn By: RPP

QC'd By: MG

Date: 2/19/2020

Legend

AVB86-01 Well Location and **ID**, Measured Dry

Well Abandoned or Capped

Other Monitoring Well

Note: Groundwater samples collected from Aug. 2019 to Jan. 2020.
Well AZZ0-05 not shown (no groundwater level data).

Wells Measured Dry, Abandoned and/or Capped

Groundwater Monitoring Report
West Van Buren WQARF Site

0 0.25 0.5 1 Miles

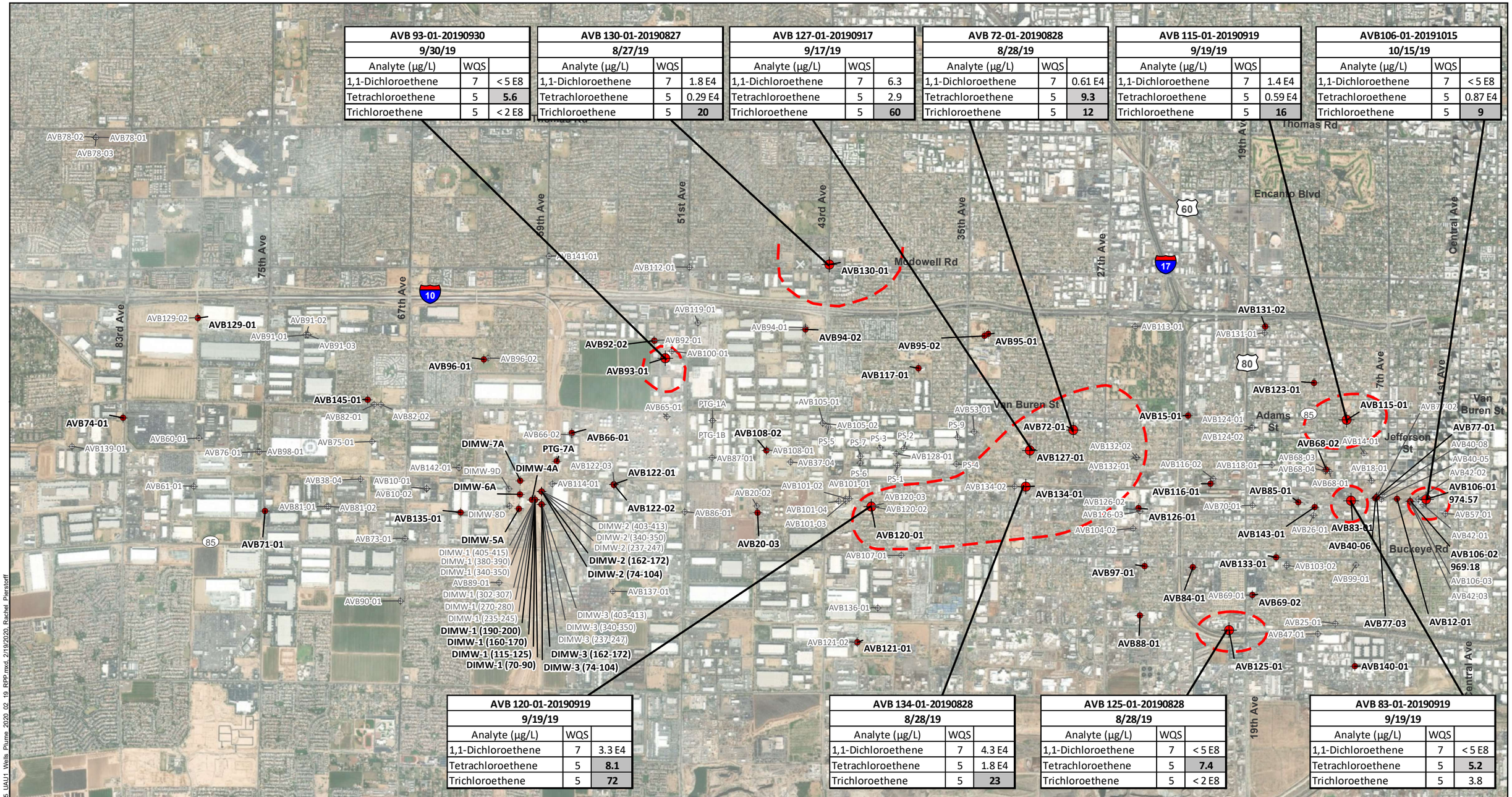
ADEQ Arizona Department of Environmental Quality

Matrix ENVIRONMENTAL

CALIBRE

Figure 4

FILE: G:\gis_projects\ADEQ\active\apps\WVB\Fig4_Dry_Wells_2020_02_19_RPP.mxd, 2/19/2020, Rachel Pierstorff



Drawn By: RPP

QC'd By: MG

Date: 2/19/2020

Legend

- Sampled Upper Alluvial Unit (UAU) 1 Well Location and **ID** (Notable detections flagged)
- Sampled UAU1 Well Location and **ID** Chlorinated volatile organic compounds not detected or below AWQS
- Other Monitoring Well
- Estimated VOC Plume Boundary above Aquifer Water Quality Standard (AWQS)

Note: Groundwater sampled collected from indicated wells from Aug. 2019 to Jan. 2020. µg/L: micrograms per liter. Well AZZ0-05 not shown (no groundwater level data).

Upper Alluvial Unit 1 Wells Estimated Extent of Chlorinated Volatile Organic Compounds

Groundwater Monitoring Report
West Van Buren WQARF Site

0 0.25 0.5 1 Miles

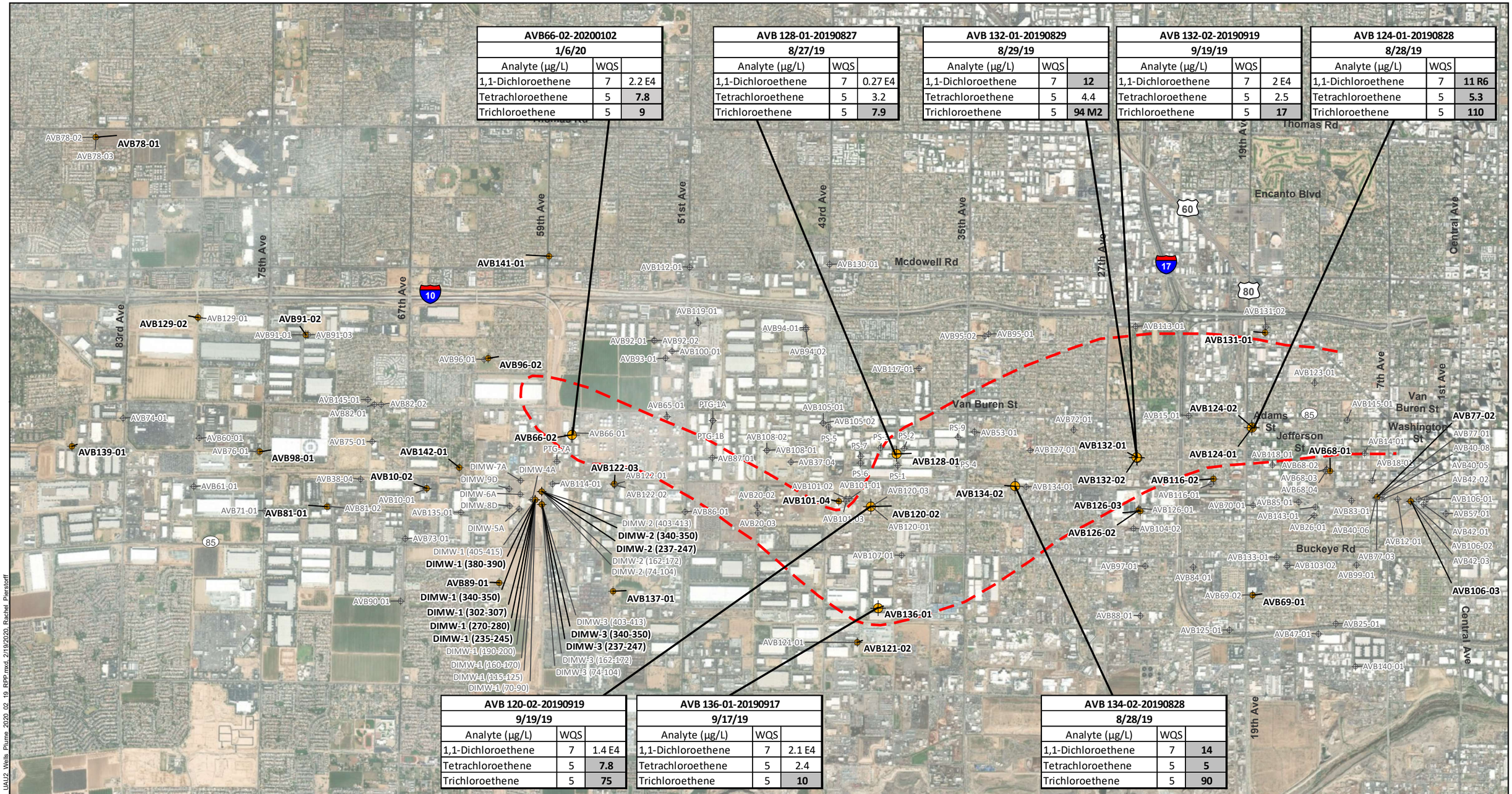
ADEQ Arizona Department of Environmental Quality

Matrix ENVIRONMENTAL

CALIBRE

Figure 5

FILE: G:\gis_projects\ADEQ\active\apps\WVB\Fig5_UAU1_Wells_Plume_2020_02_19_RPP.mxd, 2/19/2020, Rachel Pierstorff



Drawn By: RPP

QC'd By: MG

Date: 2/19/2020

Legend

- Sampled Upper Alluvial Unit (UAU) 2 Well Location and **ID** (Notable detections flagged)
- Sampled UAU2 Well Location and **ID** Chlorinated volatile organic compounds not detected or below AWQS
- Other Monitoring Well
- Estimated VOC Plume Boundary above Aquifer Water Quality Standard (AWQS)

Note: Groundwater samples collected from indicated wells from Aug. 2019 to Jan. 2020.
µg/L: micrograms per liter. Well AZ0-05 not shown (no groundwater level data).

Upper Aquifer Unit 2 Wells Estimated Extent of Chlorinated Volatile Organic Compounds

Groundwater Monitoring Report
West Van Buren WQARF Site

0 0.25 0.5 1 Miles

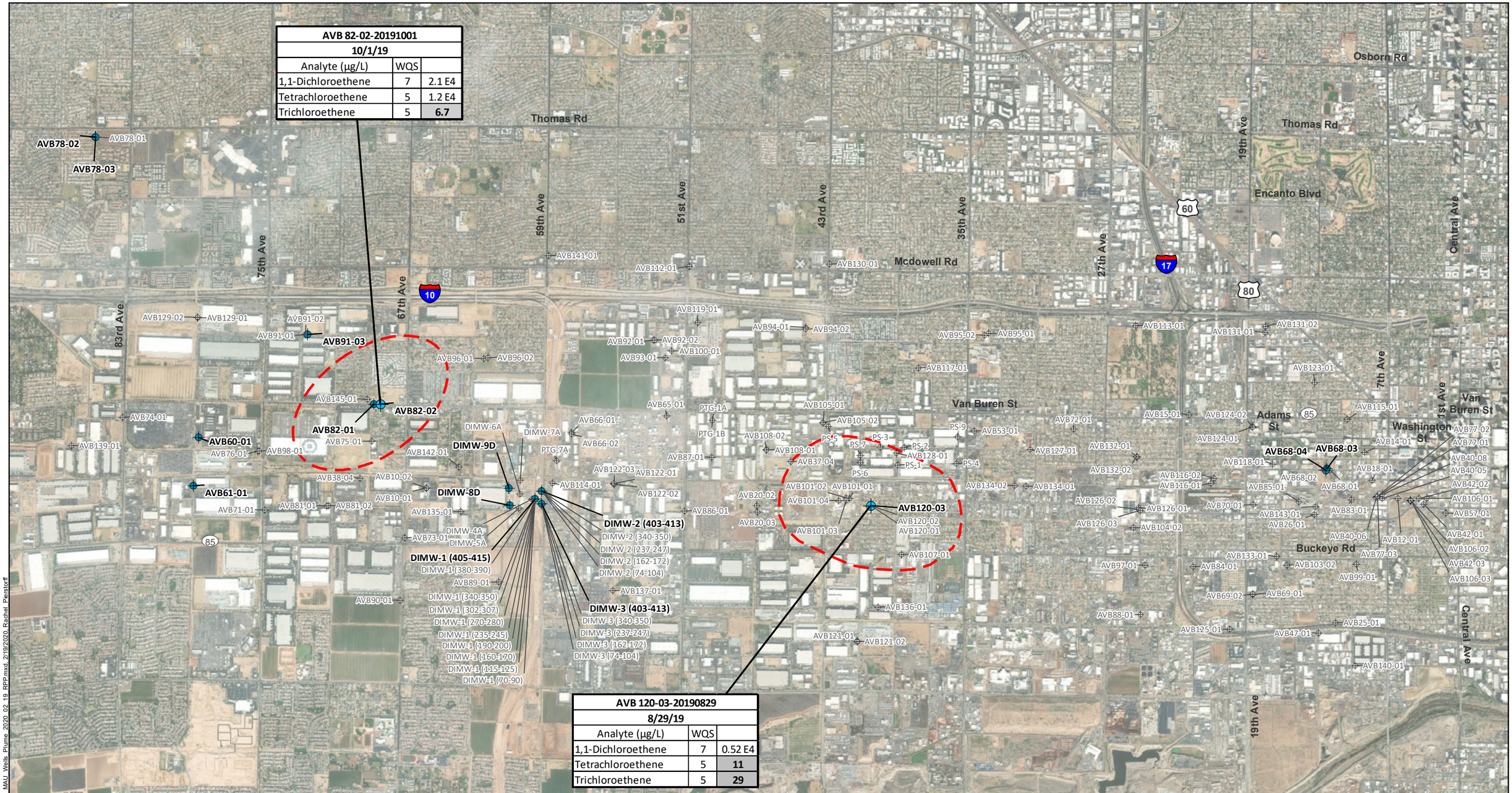
ADEQ Arizona Department of Environmental Quality

Matrix ENVIRONMENTAL

CALIBRE

Figure 6

FILE: G:\gis_projects\ADEQ\active\apps\WB\Fig6_UAU2_Wells_Plume_2020_02_19_RPP mod. 2/19/2020, Rachel_Pierstorff



Drawn By: RPP

QC'd By: MG

Date: 2/19/2020

Legend

- Sampled Middle Alluvial Unit (MAU) Well Location and **ID** (Notable detections flagged)
- Sampled MAU Well Location and **ID** Chlorinated volatile organic compounds not detected or below AWQS
- Other Monitoring Well
- Estimated VOC Plume Boundary above Aquifer Water Quality Standard (AWQS)

Note: Groundwater smaples collected from indicated wells from Aug. 2019 to Jan. 2020. µg/L: micrograms per liter. Well AZZ0-05 not shown (no groundwater level data).

Middle Alluvial Unit Wells Estimated Extent of Chlorinated Volatile Organic Compounds

Groundwater Monitoring Report
West Van Buren WQARF Site

0 0.25 0.5 1 Miles

ADEQ Arizona Department of Environmental Quality

Matrix ENVIRONMENTAL

CALIBRE

Figure 7

FILE: G:\ds_projects\ADEQ\active\apps\WVB\Fig7_MAU_Wells_Plume_2020_02_19_RPP.mxd, 2/19/2020, Rachel Pierstorff

APPENDIX A

DATA VALIDATION AND LABORATORY REPORTS

Table A-1: Detection Summary
West Van Buren WQARF Site Phoenix, AZ

Sample_ID	Date Sampled	Method	Analyte	AWQS	**Results**	Units	AZ_QUAL_1	AZ_QUAL2	Dup Parent
AVB 122-02-20190826	8-26-19	SW8260B	Chloroform	NA	0.8	ug/L	E4		
AVB 122-02-20190826	8-26-19	SW8260B	Tetrachloroethene	5	1.4	ug/L	E4		
AVB 122-02-20190826	8-26-19	SW8260B	Trichloroethene	5	**0.65**	ug/L	E4		
AVB 85-01-20190828	8-28-19	SW8260B	Methyl tert-butyl ether	NA	0.97	ug/L	E4	R6	
AVB 124-01-20190828	8-28-19	SW8260B	1,1-Dichloroethane	NA	4.5	ug/L	R6		
AVB 124-01-20190828	8-28-19	SW8260B	1,1-Dichloroethene	7	**11**	ug/L	R6		
AVB 124-01-20190828	8-28-19	SW8260B	cis-1,2-Dichloroethene	70	18	ug/L			
AVB 124-01-20190828	8-28-19	SW8260B	Tetrachloroethene	5	**5.3**	ug/L			
AVB 124-01-20190828	8-28-19	SW8260B	Trichloroethene	5	**110**	ug/L			
AVB 124-01-20190828	8-28-19	SW8260B	Trichlorofluoromethane	NA	0.81	ug/L	E4	R6	
AVB 123-01-20190828	8-28-19	SW8260B	Chloroform	NA	2.7	ug/L			
AVB 123-01-20190828	8-28-19	SW8260B	Tetrachloroethene	5	3.2	ug/L			
AVB 123-01-20190828	8-28-19	SW8260B	Trichloroethene	5	**1.1**	ug/L	E4		
AVB 116-01-20190828	8-28-19	SW8260B	1,1-Dichloroethane	NA	0.27	ug/L	E4		
AVB 116-01-20190828	8-28-19	SW8260B	1,1-Dichloroethene	7	0.52	ug/L	E4		
AVB 116-01-20190828	8-28-19	SW8260B	Chloroform	NA	1.2	ug/L	E4		
AVB 116-01-20190828	8-28-19	SW8260B	cis-1,2-Dichloroethene	70	0.29	ug/L	E4		
AVB 116-01-20190828	8-28-19	SW8260B	Tetrachloroethene	5	0.49	ug/L	E4		
AVB 116-01-20190828	8-28-19	SW8260B	Trichloroethene	5	**1.5**	ug/L	E4		
AVB 134-01-20190828	8-28-19	SW8260B	1,1-Dichloroethane	NA	1.6	ug/L	E4		
AVB 134-01-20190828	8-28-19	SW8260B	1,1-Dichloroethene	7	4.3	ug/L	E4		
AVB 134-01-20190828	8-28-19	SW8260B	Bromodichloromethane	NA	7.3	ug/L			
AVB 134-01-20190828	8-28-19	SW8260B	Chloroform	NA	14	ug/L			
AVB 134-01-20190828	8-28-19	SW8260B	cis-1,2-Dichloroethene	70	3	ug/L			
AVB 134-01-20190828	8-28-19	SW8260B	Methylene Chloride	5	0.83	ug/L	E4		
AVB 134-01-20190828	8-28-19	SW8260B	Tetrachloroethene	5	1.8	ug/L	E4		
AVB 134-01-20190828	8-28-19	SW8260B	Trichloroethene	5	**23**	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	1,1-Dichloroethane	NA	7.8	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	1,1-Dichloroethene	7	**14**	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	Chloroform	NA	2.5	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	cis-1,2-Dichloroethene	70	19	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	Tetrachloroethene	5	**5**	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	Trichloroethene	5	**90**	ug/L			
AVB 134-02-20190828	8-28-19	SW8260B	Trichlorofluoromethane	NA	0.67	ug/L	E4		
AVB 72-01-20190828	8-28-19	SW8260B	1,1-Dichloroethane	NA	0.37	ug/L	E4		
AVB 72-01-20190828	8-28-19	SW8260B	1,1-Dichloroethene	7	0.61	ug/L	E4		
AVB 72-01-20190828	8-28-19	SW8260B	Chloroform	NA	2.9	ug/L			
AVB 72-01-20190828	8-28-19	SW8260B	cis-1,2-Dichloroethene	70	1.9	ug/L	E4		
AVB 72-01-20190828	8-28-19	SW8260B	Tetrachloroethene	5	**9.3**	ug/L			
AVB 72-01-20190828	8-28-19	SW8260B	Trichloroethene	5	**12**	ug/L			
AVB 132-01-20190829	8-29-19	SW8260B	1,1-Dichloroethane	NA	7	ug/L			
AVB 132-01-20190829	8-29-19	SW8260B	1,1-Dichloroethene	7	**12**	ug/L			
AVB 132-01-20190829	8-29-19	SW8260B	Chloroform	NA	2.2	ug/L			
AVB 132-01-20190829	8-29-19	SW8260B	cis-1,2-Dichloroethene	70	20	ug/L			
AVB 132-01-20190829	8-29-19	SW8260B	Tetrachloroethene	5	4.4	ug/L			
AVB 132-01-20190829	8-29-19	SW8260B	Trichloroethene	5	**94**	ug/L	M2		
AVB 95-01-20190829	8-29-19	SW8260B	Chloroform	NA	19	ug/L			
AVB 122-01-20190826	8-26-19	SW8260B	Chloroform	NA	0.76	ug/L	E4		
AVB 122-01-20190826	8-26-19	SW8260B	Tetrachloroethene	5	2	ug/L			
AVB 122-01-20190826	8-26-19	SW8260B	Trichloroethene	5	**0.95**	ug/L	E4		
AVB 120-03-20190829	8-29-19	SW8260B	1,1-Dichloroethene	7	0.52	ug/L	E4		
AVB 120-03-20190829	8-29-19	SW8260B	Chloroform	NA	4.3	ug/L			
AVB 120-03-20190829	8-29-19	SW8260B	Dichlorodifluoromethane	NA	0.86	ug/L	E4		
AVB 120-03-20190829	8-29-19	SW8260B	Tetrachloroethene	5	**11**	ug/L			
AVB 120-03-20190829	8-29-19	SW8260B	Trichloroethene	5	**29**	ug/L			
AVB 96-02-20190829	8-29-19	SW8260B	Chloroform	NA	0.13	ug/L	E4		
AVB 96-02-20190829	8-29-19	SW8260B	Tetrachloroethene	5	0.22	ug/L	E4		
AVB 96-02-20190829	8-29-19	SW8260B	Trichloroethene	5	**2.4**	ug/L			
DUP-01-20190829	8-29-19	SW8260B	Trichloroethene	5	**1.9**	ug/L	E4		AVB 96-02
AVB 68-04-20190829	8-29-19	SW8260B	1,1-Dichloroethene	7	0.88	ug/L	E4		
AVB 68-04-20190829	8-29-19	SW8260B	Chloroform	NA	0.48	ug/L	E4		
AVB 68-04-20190829	8-29-19	SW8260B	Trichloroethene	5	**2.6**	ug/L			
AVB 86-01-20190830	8-30-19	SW8260B	Chloroform	NA	0.39	ug/L	E4		
AVB 86-01-20190830	8-30-19	SW8260B	Tetrachloroethene	5	0.26	ug/L	E4		
AVB 86-01-20190830	8-30-19	SW8260B	Trichloroethene	5	**0.71**	ug/L	E4		
AVB 87-01-20190830	8-30-19	SW8260B	1,1-Dichloroethene	7	0.29	ug/L	E4		
AVB 87-01-20190830	8-30-19	SW8260B	Chloroform	NA	2.1	ug/L			
AVB 87-01-20190830	8-30-19	SW8260B	Tetrachloroethene	5	**5.4**	ug/L			
AVB 87-01-20190830	8-30-19	SW8260B	Trichloroethene	5	**1.6**	ug/L	E4		
AVB 128-01-20190827	8-27-19	SW8260B	1,1-Dichloroethene	7	0.27	ug/L	E4		
AVB 128-01-20190827	8-27-19	SW8260B	Chloroform	NA	4.6	ug/L			
AVB 128-01-20190827	8-27-19	SW8260B	cis-1,2-Dichloroethene	70	0.71	ug/L	E4		

Table A-1: Detection Summary
West Van Buren WQARF Site Phoenix, AZ

Sample_ID	Date Sampled	Method	Analyte	AWQS	**Results**	Units	AZ_QUAL_1	AZ_QUAL2	Dup Parent
AVB 128-01-20190827	8-27-19	SW8260B	Tetrachloroethene	5	3.2	ug/L			
AVB 128-01-20190827	8-27-19	SW8260B	Trichloroethene	5	**7.9**	ug/L			
AVB 117-01-20190827	8-27-19	SW8260B	Chloroform	NA	2.7	ug/L			
AVB 117-01-20190827	8-27-19	SW8260B	Tetrachloroethene	5	1.5	ug/L	E4		
AVB 117-01-20190827	8-27-19	SW8260B	Trichloroethene	5	**0.44**	ug/L	E4		
AVB 94-02-20190827	8-27-19	SW8260B	Chloroform	NA	0.16	ug/L	E4		
AVB 94-02-20190827	8-27-19	SW8260B	Tetrachloroethene	5	0.77	ug/L	E4		
AVB 94-02-20190827	8-27-19	SW8260B	Trichloroethene	5	**0.91**	ug/L	E4		
AVB 130-01-20190827	8-27-19	SW8260B	1,1-Dichloroethene	7	1.8	ug/L	E4		
AVB 130-01-20190827	8-27-19	SW8260B	Chloroform	NA	0.94	ug/L	E4		
AVB 130-01-20190827	8-27-19	SW8260B	cis-1,2-Dichloroethene	70	0.28	ug/L	E4		
AVB 130-01-20190827	8-27-19	SW8260B	Dichlorodifluoromethane	NA	13	ug/L			
AVB 130-01-20190827	8-27-19	SW8260B	Tetrachloroethene	5	0.29	ug/L	E4		
AVB 130-01-20190827	8-27-19	SW8260B	Trichloroethene	5	**20**	ug/L			
AVB 92-02-20190827	8-27-19	SW8260B	Tetrachloroethene	5	0.34	ug/L	E4		
AVB 92-02-20190827	8-27-19	SW8260B	Trichloroethene	5	**1.7**	ug/L	E4		
AVB 125-01-20190828	8-28-19	SW8260B	Tetrachloroethene	5	**7.4**	ug/L			
AVB 137-01-20190917	9-17-19	SW8260B	Acetone	NA	43	ug/L			
AVB 122-03-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	7.3	ug/L	E4		
AVB 122-03-20190917	9-17-19	SW8260B	Acetone	NA	64	ug/L			
AVB 122-03-20190917	9-17-19	SW8260B	Tetrachloroethene	5	0.82	ug/L	E4		
AVB 122-03-20190917	9-17-19	SW8260B	Trichloroethene	5	1.1	ug/L	E4		
AVB 136-01-20190917	9-17-19	SW8260B	1,1-Dichloroethane	NA	0.78	ug/L	E4		
AVB 136-01-20190917	9-17-19	SW8260B	1,1-Dichloroethene	7	2.1	ug/L	E4		
AVB 136-01-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	5.3	ug/L	E4		
AVB 136-01-20190917	9-17-19	SW8260B	Acetone	NA	64	ug/L			
AVB 136-01-20190917	9-17-19	SW8260B	Chloroform	NA	0.71	ug/L	E4		
AVB 136-01-20190917	9-17-19	SW8260B	cis-1,2-Dichloroethene	70	1.9	ug/L	E4		
AVB 136-01-20190917	9-17-19	SW8260B	Tetrachloroethene	5	2.4	ug/L			
AVB 136-01-20190917	9-17-19	SW8260B	Trichloroethene	5	10	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	1,1-Dichloroethane	NA	3.8	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	1,1-Dichloroethene	7	6.3	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	Acetone	NA	69	ug/L		B4	
AVB 127-01-20190917	9-17-19	SW8260B	Chloroform	NA	2.2	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	cis-1,2-Dichloroethene	70	9.7	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	Tetrachloroethene	5	2.9	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	Trichloroethene	5	60	ug/L			
AVB 127-01-20190917	9-17-19	SW8260B	Trichlorofluoromethane	NA	0.42	ug/L	E4		
AVB 126-03-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	5.5	ug/L	E4		
AVB 126-03-20190917	9-17-19	SW8260B	Acetone	NA	94	ug/L			
AVB 126-02-20190917	9-17-19	SW8260B	1,1-Dichloroethane	NA	1.2	ug/L	E4		
AVB 126-02-20190917	9-17-19	SW8260B	1,1-Dichloroethene	7	2.3	ug/L	E4		
AVB 126-02-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	6.1	ug/L	E4		
AVB 126-02-20190917	9-17-19	SW8260B	Acetone	NA	89	ug/L	N1	D2	
AVB 126-02-20190917	9-17-19	SW8260B	Chloroform	NA	0.9	ug/L	E4		
AVB 126-02-20190917	9-17-19	SW8260B	cis-1,2-Dichloroethene	70	1.2	ug/L	E4		
AVB 126-02-20190917	9-17-19	SW8260B	Tetrachloroethene	5	0.36	ug/L	E4		
AVB 126-02-20190917	9-17-19	SW8260B	Trichloroethene	5	6.1	ug/L			
AVB 126-01-20190917	9-17-19	SW8260B	Acetone	NA	63	ug/L			
AVB 126-01-20190917	9-17-19	SW8260B	Chloroform	NA	1.1	ug/L	E4		
AVB 126-01-20190917	9-17-19	SW8260B	cis-1,2-Dichloroethene	70	0.6	ug/L	E4		
AVB 126-01-20190917	9-17-19	SW8260B	Tetrachloroethene	5	1.8	ug/L	E4		
AVB 126-01-20190917	9-17-19	SW8260B	Trichloroethene	5	3	ug/L			
DUP-02-20190917	9-17-19	SW8260B	1,1-Dichloroethane	NA	4	ug/L			AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	1,1-Dichloroethene	7	6.3	ug/L			AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	5.3	ug/L	E4		AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	Acetone	NA	73	ug/L		B4	AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	Chloroform	NA	2.2	ug/L			AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	cis-1,2-Dichloroethene	70	10	ug/L			AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	Tetrachloroethene	5	2.7	ug/L			AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	Trichloroethene	5	59	ug/L			AVB-127-01
DUP-02-20190917	9-17-19	SW8260B	Trichlorofluoromethane	NA	0.41	ug/L	E4		AVB-127-01
PDB Blank-20190917	9-17-19	SW8260B	Acetone	NA	82	ug/L			
AVB 141-01-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	6.6	ug/L	E4		
AVB 141-01-20190917	9-17-19	SW8260B	Acetone	NA	47	ug/L			
AVB 141-01-20190917	9-17-19	SW8260B	Chloroform	NA	0.15	ug/L	E4		
AVB 141-01-20190917	9-17-19	SW8260B	Trichloroethene	5	0.93	ug/L	E4		
AVB 139-01-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	7.8	ug/L	E4		
AVB 139-01-20190919	9-19-19	SW8260B	Acetone	NA	94	ug/L			
AVB 135-01-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	7.9	ug/L	E4		
AVB 135-01-20190919	9-19-19	SW8260B	Acetone	NA	80	ug/L			
AVB 120-02-20190919	9-19-19	SW8260B	1,1-Dichloroethene	7	1.4	ug/L	E4		

Table A-1: Detection Summary
West Van Buren WQARF Site Phoenix, AZ

Sample_ID	Date Sampled	Method	Analyte	AWQS	**Results**	Units	AZ_QUAL_1	AZ_QUAL2	Dup Parent
AVB 120-02-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	5.4	ug/L	E4		
AVB 120-02-20190919	9-19-19	SW8260B	Acetone	NA	57	ug/L			
AVB 120-02-20190919	9-19-19	SW8260B	Chloroform	NA	3	ug/L			
AVB 120-02-20190919	9-19-19	SW8260B	cis-1,2-Dichloroethene	70	0.41	ug/L	E4		
AVB 120-02-20190919	9-19-19	SW8260B	Dichlorodifluoromethane	NA	1.6	ug/L	E4		
AVB 120-02-20190919	9-19-19	SW8260B	Tetrachloroethene	5	**7.8**	ug/L			
AVB 120-02-20190919	9-19-19	SW8260B	Trichloroethene	5	75	ug/L			
AVB 120-01-20190919	9-19-19	SW8260B	1,1-Dichloroethane	NA	2	ug/L			
AVB 120-01-20190919	9-19-19	SW8260B	1,1-Dichloroethene	7	3.3	ug/L	E4		
AVB 120-01-20190919	9-19-19	SW8260B	Acetone	NA	10	ug/L	E4	V1	
AVB 120-01-20190919	9-19-19	SW8260B	Chloroform	NA	3.9	ug/L			
AVB 120-01-20190919	9-19-19	SW8260B	cis-1,2-Dichloroethene	70	9.4	ug/L			
AVB 120-01-20190919	9-19-19	SW8260B	Tetrachloroethene	5	**8.1**	ug/L			
AVB 120-01-20190919	9-19-19	SW8260B	Trichloroethene	5	72	ug/L			
AVB 121-02-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	8.4	ug/L	E4		
AVB 121-02-20190919	9-19-19	SW8260B	Acetone	NA	75	ug/L			
AVB 132-02-20190919	9-19-19	SW8260B	1,1-Dichloroethane	NA	0.53	ug/L	E4		
AVB 132-02-20190919	9-19-19	SW8260B	1,1-Dichloroethene	7	2	ug/L	E4		
AVB 132-02-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	4.1	ug/L	E4		
AVB 132-02-20190919	9-19-19	SW8260B	Acetone	NA	52	ug/L			
AVB 132-02-20190919	9-19-19	SW8260B	Chloroform	NA	0.39	ug/L	E4		
AVB 132-02-20190919	9-19-19	SW8260B	cis-1,2-Dichloroethene	70	1.7	ug/L	E4		
AVB 132-02-20190919	9-19-19	SW8260B	Tetrachloroethene	5	2.5	ug/L			
AVB 132-02-20190919	9-19-19	SW8260B	Trichloroethene	5	17	ug/L			
AVB 115-01-20190919	9-19-19	SW8260B	1,1-Dichloroethane	NA	0.73	ug/L	E4		
AVB 115-01-20190919	9-19-19	SW8260B	1,1-Dichloroethene	7	1.4	ug/L	E4		
AVB 115-01-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	5.8	ug/L	E4		
AVB 115-01-20190919	9-19-19	SW8260B	Acetone	NA	92	ug/L			
AVB 115-01-20190919	9-19-19	SW8260B	Chloroform	NA	2.1	ug/L			
AVB 115-01-20190919	9-19-19	SW8260B	cis-1,2-Dichloroethene	70	2.6	ug/L			
AVB 115-01-20190919	9-19-19	SW8260B	Tetrachloroethene	5	0.59	ug/L	E4		
AVB 115-01-20190919	9-19-19	SW8260B	Trichloroethene	5	16	ug/L			
AVB 124-02-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	3.8	ug/L	E4		
AVB 124-02-20190919	9-19-19	SW8260B	Acetone	NA	51	ug/L			
AVB 124-02-20190919	9-19-19	SW8260B	Trichloroethene	5	0.42	ug/L	E4		
AVB 129-02-20190917	9-17-19	SW8260B	2-Butanone (MEK)	NA	5.9	ug/L	E4	N1	
AVB 129-02-20190917	9-17-19	SW8260B	Acetone	NA	54	ug/L	N1		
AVB 129-02-20190917	9-17-19	SW8260B	Bromodichloromethane	NA	5.6	ug/L	M2	R13	
AVB 129-02-20190917	9-17-19	SW8260B	Chlorodibromomethane	NA	3.7	ug/L	M2	R13	
AVB 129-02-20190917	9-17-19	SW8260B	Chloroform	NA	6.5	ug/L	M2	R13	
AVB 133-01-20190919	9-19-19	SW8260B	Acetone	NA	51	ug/L			
AVB 133-01-20190919	9-19-19	SW8260B	Chloroform	NA	0.34	ug/L	E4		
DUP-03-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	4.9	ug/L	E4		AVB-124-02
DUP-03-20190919	9-19-19	SW8260B	Acetone	NA	46	ug/L			AVB-124-02
DUP-03-20190919	9-19-19	SW8260B	Trichloroethene	5	0.43	ug/L	E4		AVB-124-02
AVB 83-01-20190919	9-19-19	SW8260B	Acetone	NA	46	ug/L			
AVB 83-01-20190919	9-19-19	SW8260B	Chloroform	NA	0.73	ug/L	E4		
AVB 83-01-20190919	9-19-19	SW8260B	Tetrachloroethene	5	**5.2**	ug/L			
AVB 83-01-20190919	9-19-19	SW8260B	Trichloroethene	5	3.8	ug/L			
AVB 69-01-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	6.4	ug/L	E4		
AVB 69-01-20190919	9-19-19	SW8260B	Acetone	NA	110	ug/L	N1	D2	
AVB 68-01-20190919	9-19-19	SW8260B	1,1-Dichloroethane	NA	0.76	ug/L	E4		
AVB 68-01-20190919	9-19-19	SW8260B	1,1-Dichloroethene	7	0.68	ug/L	E4		
AVB 68-01-20190919	9-19-19	SW8260B	2-Butanone (MEK)	NA	4.7	ug/L	E4		
AVB 68-01-20190919	9-19-19	SW8260B	Acetone	NA	61	ug/L			
AVB 68-01-20190919	9-19-19	SW8260B	cis-1,2-Dichloroethene	70	0.3	ug/L	E4		
AVB 131-01-20190919	9-19-19	SW8260B	Acetone	NA	39	ug/L			
AVB 131-01-20190919	9-19-19	SW8260B	Chloroform	NA	5.1	ug/L			
AVB 131-01-20190919	9-19-19	SW8260B	Tetrachloroethene	5	0.27	ug/L	E4		
AVB 131-01-20190919	9-19-19	SW8260B	Trichloroethene	5	0.41	ug/L	E4		
AVB 129-01-20190917	9-17-19	SW8260B	Acetone	NA	41	ug/L			
AVB 91-03-20190917	9-17-19	SW8260B	Acetone	NA	31	ug/L			
AVB 91-02-20190917	9-17-19	SW8260B	1,1-Dichloroethene	7	0.69	ug/L	E4		
AVB 91-02-20190917	9-17-19	SW8260B	Acetone	NA	33	ug/L			
AVB 91-02-20190917	9-17-19	SW8260B	Chloroform	NA	0.64	ug/L	E4		
AVB 91-02-20190917	9-17-19	SW8260B	cis-1,2-Dichloroethene	70	0.29	ug/L	E4		
AVB 91-02-20190917	9-17-19	SW8260B	Tetrachloroethene	5	4.1	ug/L			
AVB 91-02-20190917	9-17-19	SW8260B	Trichloroethene	5	2.4	ug/L			
AVB 98-01-20190917	9-17-19	SW8260B	Acetone	NA	43	ug/L			
AVB 71-01-20190917	9-17-19	SW8260B	Acetone	NA	38	ug/L			
AVB 81-01-20190917	9-17-19	SW8260B	Acetone	NA	45	ug/L			
AVB 106-02-20190930	09/30/2019	SW8260B	Methylene Chloride	5	0.93	ug/L	E4	B4	

Table A-1: Detection Summary
West Van Buren WQARF Site Phoenix, AZ

Sample_ID	Date Sampled	Method	Analyte	AWQS	**Results**	Units	AZ_QUAL_1	AZ_QUAL2	Dup Parent
AVB 106-02-20190930	09/30/2019	SW8260B	Trichloroethene	5	**1.5**	ug/L	E4		
AVB 106-03-20190930	09/30/2019	SW8260B	Chloromethane	NA	0.42	ug/L	E4		
AVB 68-02-20190930	09/30/2019	SW8260B	1,1-Dichloroethane	NA	0.47	ug/L	E4		
AVB 68-02-20190930	09/30/2019	SW8260B	1,1-Dichloroethene	7	0.55	ug/L	E4		
AVB 68-02-20190930	09/30/2019	SW8260B	Acetone	NA	71	ug/L	B4		
AVB 68-02-20190930	09/30/2019	SW8260B	Chloroform	NA	2.5	ug/L			
AVB 68-02-20190930	09/30/2019	SW8260B	cis-1,2-Dichloroethene	70	0.27	ug/L	E4		
AVB 68-02-20190930	09/30/2019	SW8260B	Tetrachloroethene	5	0.43	ug/L	E4		
AVB 68-02-20190930	09/30/2019	SW8260B	Trichloroethene	5	**2.1**	ug/L			
AVB 93-01-20190930	09/30/2019	SW8260B	Acetone	NA	72	ug/L	B4		
AVB 93-01-20190930	09/30/2019	SW8260B	Tetrachloroethene	5	**5.6**	ug/L			
AVB 82-01-20191001	10/01/2019	SW8260B	Acetone	NA	51	ug/L	B4		
AVB 82-01-20191001	10/01/2019	SW8260B	Tetrachloroethene	5	1	ug/L	E4		
AVB 82-01-20191001	10/01/2019	SW8260B	Trichloroethene	5	**0.59**	ug/L	E4		
AVB 82-02-20191001	10/01/2019	SW8260B	1,1-Dichloroethene	7	2.1	ug/L	E4		
AVB 82-02-20191001	10/01/2019	SW8260B	Acetone	NA	40	ug/L	B4		
AVB 82-02-20191001	10/01/2019	SW8260B	cis-1,2-Dichloroethene	70	1.2	ug/L	E4		
AVB 82-02-20191001	10/01/2019	SW8260B	Tetrachloroethene	5	1.2	ug/L	E4		
AVB 82-02-20191001	10/01/2019	SW8260B	Trichloroethene	5	**6.7**	ug/L			
AZZ0-05-20191001	10/01/2019	SW8260B	Chloromethane	NA	0.41	ug/L	E4		
AZZ0-05-20191001	10/01/2019	SW8260B	Methylene Chloride	5	0.8	ug/L	E4	B4	
AVB 101-04-20191002	10/02/2019	SW8260B	1,1-Dichloroethane	NA	1.1	ug/L	E4		
AVB 101-04-20191002	10/02/2019	SW8260B	1,1-Dichloroethene	7	1.4	ug/L	E4		
AVB 101-04-20191002	10/02/2019	SW8260B	Chloroform	NA	4.5	ug/L			
AVB 101-04-20191002	10/02/2019	SW8260B	cis-1,2-Dichloroethene	70	6	ug/L			
AVB 101-04-20191002	10/02/2019	SW8260B	Tetrachloroethene	5	**8.3**	ug/L			
AVB 101-04-20191002	10/02/2019	SW8260B	Trichloroethene	5	**45**	ug/L			
AVB131-02-20191015	10/15/2019	SW8260B	Acetone	NA	47	ug/L	B4		
AVB131-02-20191015	10/15/2019	SW8260B	Bromodichloromethane	NA	0.35	ug/L	E4		
AVB131-02-20191015	10/15/2019	SW8260B	Chlorodibromomethane	NA	0.35	ug/L	E4		
AVB131-02-20191015	10/15/2019	SW8260B	Chloroform	NA	3.8	ug/L			
AVB131-02-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	1.7	ug/L	E4		
AVB12-01-20191015	10/15/2019	SW8260B	Acetone	NA	37	ug/L	B4		
AVB12-01-20191015	10/15/2019	SW8260B	Chloroform	NA	0.49	ug/L	E4		
AVB12-01-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	0.47	ug/L	E4		AVB 106-01
AVB12-01-20191015	10/15/2019	SW8260B	Toluene	1000	0.32	ug/L	E4		
AVB12-01-20191015	10/15/2019	SW8260B	Trichloroethene	5	2.3	ug/L			
AVB106-01-20191015	10/15/2019	SW8260B	Acetone	NA	45	ug/L	B4		
AVB106-01-20191015	10/15/2019	SW8260B	Chloroform	NA	1.3	ug/L	E4		
AVB106-01-20191015	10/15/2019	SW8260B	Styrene	100	0.21	ug/L	E4		
AVB106-01-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	0.87	ug/L	E4		
AVB106-01-20191015	10/15/2019	SW8260B	Trichloroethene	5	9.0	ug/L			
PDB Blank-20191016	10/16/2019	SW8260B	Acetone	NA	48	ug/L	B4		
DIMW-7A-20191016	10/16/2019	SW8260B	Acetone	NA	46	ug/L	B4		
DIMW-7A-20191016	10/16/2019	SW8260B	Chloroform	NA	0.59	ug/L	E4		
DIMW-7A-20191016	10/16/2019	SW8260B	Tetrachloroethene	5	1.9	ug/L	E4		
DIMW-7A-20191016	10/16/2019	SW8260B	Trichloroethene	5	2.8	ug/L			
DIMW-6A-20191016	10/16/2019	SW8260B	1,1-Dichloroethene	7	0.66	ug/L	E4		
DIMW-6A-20191016	10/16/2019	SW8260B	Acetone	NA	43	ug/L	B4		
DIMW-6A-20191016	10/16/2019	SW8260B	Chloroform	NA	0.32	ug/L	E4		
DIMW-6A-20191016	10/16/2019	SW8260B	Chloromethane	NA	0.51	ug/L	E4		
DIMW-6A-20191016	10/16/2019	SW8260B	Tetrachloroethene	5	1.9	ug/L	E4		
DIMW-6A-20191016	10/16/2019	SW8260B	Trichloroethene	5	2.4	ug/L			
DIMW-5A-20191016	10/16/2019	SW8260B	Acetone	NA	41	ug/L	B4		
DIMW-8D-20191016	10/16/2019	SW8260B	Acetone	NA	58	ug/L	B4		
DIMW-9D-20191016	10/16/2019	SW8260B	2-Butanone (MEK)	NA	6.4	ug/L	E4		AVB66-02
DIMW-9D-20191016	10/16/2019	SW8260B	Acetone	NA	60	ug/L	B4		AVB66-02
AVB140-01-20191015	10/15/2019	SW8260B	Acetone	NA	53	ug/L	B4		AVB66-02
Dup-04-20191015	10/15/2019	SW8260B	Acetone	NA	43	ug/L	B4		AVB66-02
Dup-04-20191015	10/15/2019	SW8260B	Chloroform	NA	1.3	ug/L	E4		AVB66-02
Dup-04-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	0.78	ug/L	E4		AVB66-02
Dup-04-20191015	10/15/2019	SW8260B	Trichloroethene	5	8.7	ug/L			AVB66-02
AVB74-01-20191015	10/15/2019	SW8260B	Acetone	NA	41	ug/L	B4		
AVB74-01-20191015	10/15/2019	SW8260B	Chloroform	NA	0.74	ug/L	E4		
AVB74-01-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	0.45	ug/L	E4		
AVB74-01-20191015	10/15/2019	SW8260B	Trichloroethene	5	0.42	ug/L	E4		
AVB60-01-20191015	10/15/2019	SW8260B	Acetone	NA	31	ug/L	B4		
AVB61-01-20191015	10/15/2019	SW8260B	Acetone	NA	32	ug/L	B4		
AVB10-02-20191015	10/15/2019	SW8260B	Acetone	NA	45	ug/L	B4		
AVB10-02-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	2.3	ug/L			
AVB10-02-20191015	10/15/2019	SW8260B	Trichloroethene	5	0.83	ug/L	E4		
AVB108-02-20191015	10/15/2019	SW8260B	Acetone	NA	32	ug/L	B4		

Table A-1: Detection Summary
West Van Buren WQARF Site Phoenix, AZ

Sample_ID	Date Sampled	Method	Analyte	AWQS	**Results**	Units	AZ_QUAL_1	AZ_QUAL2	Dup Parent
AVB108-02-20191015	10/15/2019	SW8260B	Chloroform	NA	6.5	ug/L			
AVB108-02-20191015	10/15/2019	SW8260B	Dichlorodifluoromethane	NA	1.0	ug/L		E4	
AVB108-02-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	1.1	ug/L	E4		
AVB108-02-20191015	10/15/2019	SW8260B	Trichloroethene	5	1.8	ug/L	E4		
AVB145-01-20191015	10/15/2019	SW8260B	Acetone	NA	41	ug/L		B4	
AVB145-01-20191015	10/15/2019	SW8260B	Chloroform	NA	0.75	ug/L	E4		
AVB145-01-20191015	10/15/2019	SW8260B	Tetrachloroethene	5	2.5	ug/L			
AVB145-01-20191015	10/15/2019	SW8260B	Trichloroethene	5	1.1	ug/L	E4		
AVB143-01-20191015	10/15/2019	SW8260B	Acetone	NA	51	ug/L		B4	
AVB143-01-20191015	10/15/2019	SW8260B	Chloroform	NA	0.55	ug/L	E4		
PDB Blank-20191016	10/16/2019	SW8260B	Acetone	NA	48	ug/L		B4	
DIMW-7A-20191016	10/16/2019	SW8260B	Acetone	NA	46	ug/L		B4	
DIMW-6A-20191016	10/16/2019	SW8260B	Acetone	NA	43	ug/L		B4	
DIMW-5A-20191016	10/16/2019	SW8260B	Acetone	NA	41	ug/L		B4	
DIMW-8D-20191016	10/16/2019	SW8260B	Acetone	NA	58	ug/L		B4	
DIMW-9D-20191016	10/16/2019	SW8260B	Acetone	NA	60	ug/L		B4	
AVB-77-01	11-7-2019	SW8260B	Tetrachloroethene	5	0.71	ug/L		E4	
AVB-77-01	11-7-2019	SW8260B	Trichloroethene	5	1.1	ug/L		E4	
AVB-77-03	11-7-2019	SW8260B	Chloroform	NA	0.36	ug/L		E4	
AVB-77-03	11-7-2019	SW8260B	Chloromethane	NA	0.38	ug/L		E4	
AVB-77-03	11-7-2019	SW8260B	cis-1,2-Dichloroethene	70	0.23	ug/L		E4	
AVB-77-03	11-7-2019	SW8260B	Tetrachloroethene	5	0.98	ug/L		E4	
AVB-77-03	11-7-2019	SW8260B	Trichloroethene	5	1.8	ug/L		E4	
PTG-7A-20200102	01/06/2020	SW8260B	2-Butanone (MEK)	NA	85	ug/L			
PTG-7A-20200102	01/07/2020	SW8260B	Acetone	NA	380	ug/L		D2	
PTG-7A-20200102	01/06/2020	SW8260B	cis-1,2-Dichloroethene	70	4.2	ug/L			
AVB66-02-20200102	01/06/2020	SW8260B	1,1-Dichloroethene	7	2.2	ug/L		E4	
AVB66-02-20200102	01/06/2020	SW8260B	2-Butanone (MEK)	NA	86	ug/L			
AVB66-02-20200102	01/07/2020	SW8260B	Acetone	NA	370	ug/L		D2	
AVB66-02-20200102	01/06/2020	SW8260B	Chloroform	NA	3.1	ug/L			
AVB66-02-20200102	01/06/2020	SW8260B	Tetrachloroethene	5	**7.8**	ug/L			
AVB66-02-20200102	01/06/2020	SW8260B	Trichloroethene	5	9	ug/L			
AVB66-02-20200102	01/06/2020	SW8260B	Trichlorofluoromethane	NA	0.8	ug/L		E4	
AVB66-01-20200102	01/06/2020	SW8260B	2-Butanone (MEK)	NA	78	ug/L			
AVB66-01-20200102	01/07/2020	SW8260B	Acetone	NA	360	ug/L		D2	
AVB66-01-20200102	01/06/2020	SW8260B	Dichlorodifluoromethane	NA	4.5	ug/L		E4	
DUP-01-20200102	01/06/2020	SW8260B	1,1-Dichloroethene	7	2.2	ug/L		E4	
DUP-01-20200102	01/06/2020	SW8260B	2-Butanone (MEK)	NA	88	ug/L			
DUP-01-20200102	01/07/2020	SW8260B	Acetone	NA	390	ug/L		D2	
DUP-01-20200102	01/06/2020	SW8260B	Chloroform	NA	3.1	ug/L			
DUP-01-20200102	01/06/2020	SW8260B	Tetrachloroethene	5	**8.3**	ug/L			
DUP-01-20200102	01/06/2020	SW8260B	Trichloroethene	5	9.2	ug/L			
DUP-01-20200102	01/06/2020	SW8260B	Trichlorofluoromethane	NA	0.83	ug/L		E4	

Notes:
B4 - Target analyte detected in blank at or above method acceptance criteria.
D2 - Sample required dilution due to high concentration of target analyte.
E4 - Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).
E8 - Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
M2 - Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1 - See case narrative. Reanalysis analyzed with headspace. Both runs confirm.
R6 - LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
R13 - MS/MSD RPD exceeded the method acceptance limit. Matrix spike recovery was outside acceptance criteria. Batch precision and accuracy were demonstrated.
V1 - CCV recovery was above accept and limits. This target analyte was not detected in the sample.
µg/L - micrograms per liter
AWQS - Aquifer Water Quality Standards, Arizona Administrative Code, 18 A.A.C.11 Title 18, Ch.11, December 2016

Data Validation Summary
Groundwater Sampling
West Van Buren Site, Phoenix, Arizona

Matrix Environmental Services (MES) reviewed the analytical data in accordance with the Remedial Projects Section Quality Assurance Project Plan (QAPP), Arizona Department of Environmental Quality (AZDEQ)(AZDEQ, February 2017, Revision A), and Standard Operating Procedures, Data Validation Procedures for Routine Volatile Organic Analysis, Response Engineering and Analytical Contract (SERAS) laboratory (SERAS, 2004). The data review process included reviewing and evaluating 100 percent of the hard copy data for (1) extraction and analysis holding times, (2) surrogate recoveries, (3) blank detections, (4) laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries and relative percent differences (RPDs), (5) matrix spike/matrix spike duplicate (MS/MSD) recoveries and RPDs, (6) field duplicate (FD) RPDs, (7) initial and continuing calibrations, (8) instrument tuning and performance, (9) internal standards, (10) cooler temperature, and (11) overall assessment.

Eurofins TestAmerica Laboratories, Inc. (TA) of Phoenix, Arizona analyzed the samples for CALIBRE Systems, Inc of Bellevue Washington. Samples were collected at the West Van Buren Site in Phoenix, Arizona between August 26, 2019 ad October 16, 2019. There were many Acetone detections. Acetone is a common laboratory contaminant. It was detected in the passive diffusion bag blank (PDB Blank-20190917) and is often detected in passive diffusion bag blanks. Acetone is considered not detected and all acetone detections are qualified. Based on this review, the analytical data generated for the sampling event are acceptable and adequate to fulfill program objectives.

ADEQ QAPP 2017) Partial Data Validation Checklist (from Table D1 of QAPP)
http://static.azdeq.gov/wqarf/qaprp.pdf

West Van Buren Data Package J128836-1, Report Dated 9/16/2019 27 groundwater samples analyzed for volatile organic compounds by EPA Method 8260B
Reviewed by Colin Wagoner, CALIBRE Systems Inc. 9/18/2019

Criteria	**Notes**	**Result**
Holding times	Check Case Narrative	Samples collected on 8/26 through 8/30, delivered to lab on 8/30, therefor met holding times.
Calibration	Check Case Narrative, review calibration data	The continuing calibration verification (CCVIS) for analytical batch 550-188379 had surrogate outside criteria; all data associated are N1 qualified.
Blanks	Check Case Narrative, review blanks data	Method blanks samples within limits with the exception of 1,2,3-trichlorobenzene 0.453 E4 µg/L and naphthalene 0.865 E4 µg/L; not detected in samples so no qualifiers. No detections in the trip blank. PDB Blank-20190917 Acetone 82 ug/L Not detected in samples.
Surrogate recovery	Check Case Narrative, review surrogate data	Within limits for all samples.
Matrix spike and matrix spike duplicate recovery	Check Case Narrative, review MS/MSDs	Several of the MS/MSDs were out of control limits and qualifiers were applied as indicated on the case narrative.
Laboratory control sample or blank spike	Check Case Narrative, review LCS and or blank spikes	Lab control samples within limits with a few exceptions in batch 550-188311 as indicated on the case narrative. Chloroethane, chlroromethane, MTBE, triclorofluoroethane recovered below criteria. RPD above criteria in 1,1-dichloroethane, 1,1-dichlorethene, chloroethane, chloromethane, iodomethane, methylene chloride, MTBE, trans-1,2-dichloroethene, trichlorofluoromethane, vinyl acetate, vinyl chloride. Data qualified in samples AVB 85-01 and AVB 124-01.
Internal standard performance	Check Case Narrative	The internal standards for 3 compounds fell outside the laboratory control limits for the MSD for batch 550-188311 and were flagged as indicated on the case narrative.
Field duplicate sample analysis	Calculate relative percent difference for all field dupes	The original sample was AVB-96-02, the duplicate sample is DUP-01. The only analyte detected in both samples was TCE.

		Sample **Analyte** **Result** **Units** AVB 96-02-20190829 TCE 2.4 µg/L L DUP-01-20190829 TCE 1.9 µg/L E4 RPD = C1 - C2 / (C1+ C2)/2 X 100% = 23% The RPD is considered acceptable because the concentrations were near and just below the reporting limit of 2.0 µg/L
Temperature	Check Case Narrative	Samples received at 1.8 degrees C, below the criteria of 4 degrees C.
Overall assessment of data for an SDG	Any reason to reject data or perform full validation?	The data are acceptable for site characterization purposes.

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ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-128836-1
Client Project/Site: West Van Buren

For:
Calibre Systems, Inc.
16935 South East 39th Street
Bellevue, Washington 98008

Attn: Mr. Tom McKeon

Authorized for release by:
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 10
Surrogate Summary 54
QC Sample Results 56
QC Association Summary 105
Lab Chronicle 107
Certification Summary 111
Method Summary 112
Chain of Custody 113
Receipt Checklists 116

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
L4	The associated blank spike recovery was below method acceptance limits.
L5	The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike was acceptable.
N1	See case narrative.
R13	MS/MSD RPD exceeded the method acceptance limit. Matrix spike recovery was outside acceptance criteria. Batch precision and accuracy were demonstrated.
R4	MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R6	LFB/LFBD RPD exceeded method control limit. Recovery met acceptance criteria.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
V9	CCV Recovery was below method acceptance limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 550-128836-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-128836-1

Comments
No additional comments.

Receipt
The samples were received on 8/30/2019 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8º C.

GC/MS VOA
Method(s) 624.1, 8260B: Internal standard (ISTD): 1,4-Dichlorobenzene-d4, Fluorobenzene and Chlorobenzene-d5 failed outside of laboratory limits in the following QC: (550-128728-A-1 MSD) (MSD). All other QC and samples recovered within acceptance limits. The sample will be reported with an N1 qualifier, see analytical batch 550-188311.

Method(s) 8260B: The surrogate 4-Bromofluorobenzene recovered outside control limits the CCVIS for batch 550-188379 . Associated QC and samples had acceptable recoveries. The data have been qualified and reported with a N1 qualifier.

Method(s) 8260B: The Dibromofluoromethane (Surr) and 4-Bromofluorobenzene (Surr) surrogate recovery for (550-129035-A-1) and (550-129035-C-1 MSD) (source sample) and MSD with analytical batch 550-188655 was outside the control limits. All associated sample surrogates were within acceptance criteria; therefore, the data have been reported with an N1 qualifier.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-128836-1	AVB 122-02-20190826	Water	08/26/19 13:49	08/30/19 11:20	
550-128836-2	AVB 122-01-20190826	Water	08/26/19 14:00	08/30/19 11:20	
550-128836-3	AVB 121-01-20190827	Water	08/27/19 09:00	08/30/19 11:20	
550-128836-4	AVB 128-01-20190827	Water	08/27/19 10:30	08/30/19 11:20	
550-128836-5	AVB 117-01-20190827	Water	08/27/19 11:00	08/30/19 11:20	
550-128836-6	AVB 94-02-20190827	Water	08/27/19 11:30	08/30/19 11:20	
550-128836-7	AVB 130-01-20190827	Water	08/27/19 12:00	08/30/19 11:20	
550-128836-8	AVB 92-02-20190827	Water	08/27/19 12:45	08/30/19 11:20	
550-128836-9	AVB 125-01-20190828	Water	08/28/19 06:53	08/30/19 11:20	
550-128836-10	AVB 85-01-20190828	Water	08/28/19 07:57	08/30/19 11:20	
550-128836-11	AVB 124-01-20190828	Water	08/28/19 08:40	08/30/19 11:20	
550-128836-12	AVB 123-01-20190828	Water	08/28/19 09:06	08/30/19 11:20	
550-128836-13	AVB 116-01-20190828	Water	08/28/19 09:40	08/30/19 11:20	
550-128836-14	AVB 134-01-20190828	Water	08/28/19 12:05	08/30/19 11:20	
550-128836-15	AVB 134-02-20190828	Water	08/28/19 12:15	08/30/19 11:20	
550-128836-16	AVB 72-01-20190828	Water	08/28/19 12:47	08/30/19 11:20	
550-128836-17	AVB 116-02-20190829	Water	08/29/19 06:12	08/30/19 11:20	
550-128836-18	AVB 132-01-20190829	Water	08/29/19 07:00	08/30/19 11:20	
550-128836-19	AVB 95-01-20190829	Water	08/29/19 07:30	08/30/19 11:20	
550-128836-20	AVB 95-02-20190829	Water	08/29/19 07:40	08/30/19 11:20	
550-128836-21	AVB 120-03-20190829	Water	08/29/19 08:15	08/30/19 11:20	
550-128836-22	AVB 96-02-20190829	Water	08/29/19 09:00	08/30/19 11:20	
550-128836-23	DUP-01-20190829	Water	08/29/19 10:00	08/30/19 11:20	
550-128836-24	AVB 68-04-20190829	Water	08/29/19 11:10	08/30/19 11:20	
550-128836-25	Trip Blank	Water	08/26/19 08:00	08/30/19 11:20	
550-128836-26	AVB 86-01-20190830	Water	08/30/19 08:30	08/30/19 11:20	
550-128836-27	AVB 87-01-20190830	Water	08/30/19 09:40	08/30/19 11:20	

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 122-02-20190826 — Lab Sample ID: 550-128836-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.80	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.4	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.65	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 122-01-20190826 — Lab Sample ID: 550-128836-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.76	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.0		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.95	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 121-01-20190827 — Lab Sample ID: 550-128836-3

No Detections.

Client Sample ID: AVB 128-01-20190827 — Lab Sample ID: 550-128836-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.27	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	4.6		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.71	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.2		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	7.9		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 117-01-20190827 — Lab Sample ID: 550-128836-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.7		2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.5	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.44	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 94-02-20190827 — Lab Sample ID: 550-128836-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.16	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.77	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.91	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 130-01-20190827 — Lab Sample ID: 550-128836-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.8	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	0.94	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.28	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	13		5.0	0.15	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.29	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	20		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 92-02-20190827 — Lab Sample ID: 550-128836-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.34	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.7	E4	2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 125-01-20190828 — Lab Sample ID: 550-128836-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.4		2.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 85-01-20190828 — Lab Sample ID: 550-128836-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.97	E4	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 124-01-20190828 — Lab Sample ID: 550-128836-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.5	R6	2.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	11	R6	5.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	18		2.0		ug/L	1		8260B	Total/NA
Tetrachloroethene	5.3		2.0		ug/L	1		8260B	Total/NA
Trichloroethene	110		2.0		ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.81	E4	5.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 123-01-20190828 — Lab Sample ID: 550-128836-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.7		2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.2		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.1	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 116-01-20190828 — Lab Sample ID: 550-128836-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.27	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.52	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	1.2	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.29	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.49	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.5	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 134-01-20190828 — Lab Sample ID: 550-128836-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.6	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	4.3	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Bromodichloromethane	7.3		2.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	14		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.0		2.0	0.21	ug/L	1		8260B	Total/NA
Methylene Chloride	0.83	E4	5.0	0.67	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.8	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	23		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 134-02-20190828 — Lab Sample ID: 550-128836-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.8		2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	14		5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	2.5		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	19		2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.0		2.0	0.18	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AVB 134-02-20190828 (Continued) — Lab Sample ID: 550-128836-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	90		2.0	0.24	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.67	E4	5.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 72-01-20190828 — Lab Sample ID: 550-128836-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.37	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.61	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	2.9		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.9	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	9.3		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	12		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 116-02-20190829 — Lab Sample ID: 550-128836-17

No Detections.

Client Sample ID: AVB 132-01-20190829 — Lab Sample ID: 550-128836-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.0		2.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	12		5.0		ug/L	1		8260B	Total/NA
Chloroform	2.2		2.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	20		2.0		ug/L	1		8260B	Total/NA
Tetrachloroethene	4.4		2.0		ug/L	1		8260B	Total/NA
Trichloroethene	94	M2	2.0		ug/L	1		8260B	Total/NA

Client Sample ID: AVB 95-01-20190829 — Lab Sample ID: 550-128836-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	19		2.0		ug/L	1		8260B	Total/NA

Client Sample ID: AVB 95-02-20190829 — Lab Sample ID: 550-128836-20

No Detections.

Client Sample ID: AVB 120-03-20190829 — Lab Sample ID: 550-128836-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.52	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	4.3		2.0	0.13	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	0.86	E4	5.0	0.15	ug/L	1		8260B	Total/NA
Tetrachloroethene	11		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	29		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 96-02-20190829 — Lab Sample ID: 550-128836-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.13	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.22	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.4		2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: DUP-01-20190829 — Lab Sample ID: 550-128836-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.9	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 68-04-20190829 — Lab Sample ID: 550-128836-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.88	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	0.48	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Trichloroethene	2.6		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 550-128836-25

No Detections.

Client Sample ID: AVB 86-01-20190830 — Lab Sample ID: 550-128836-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.39	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.26	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.71	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 87-01-20190830 — Lab Sample ID: 550-128836-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.29	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	2.1		2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.4		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.6	E4	2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 122-02-20190826

Lab Sample ID: 550-128836-1

Date Collected: 08/26/19 13:49

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 10:08	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 10:08	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 10:08	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 10:08	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 10:08	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 10:08	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 10:08	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 10:08	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 10:08	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 10:08	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 10:08	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 10:08	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 10:08	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 10:08	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 10:08	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 10:08	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 10:08	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 10:08	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 10:08	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 10:08	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 10:08	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 10:08	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 10:08	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 10:08	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 10:08	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 10:08	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 10:08	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 10:08	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 10:08	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 10:08	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 10:08	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 10:08	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 10:08	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 10:08	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 10:08	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 10:08	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 10:08	1
Chloroform	**0.80**	**E4**	2.0	0.13	ug/L			09/05/19 10:08	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 10:08	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 10:08	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 10:08	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 10:08	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 10:08	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 10:08	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 10:08	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 10:08	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 10:08	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 10:08	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 10:08	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 122-02-20190826

Lab Sample ID: 550-128836-1

Date Collected: 08/26/19 13:49
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 10:08	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 10:08	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 10:08	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 10:08	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 10:08	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 10:08	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 10:08	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 10:08	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 10:08	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 10:08	1
Tetrachloroethene	**1.4**	**E4**	2.0	0.18	ug/L			09/05/19 10:08	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 10:08	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 10:08	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 10:08	1
Trichloroethene	**0.65**	**E4**	2.0	0.24	ug/L			09/05/19 10:08	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 10:08	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 10:08	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 10:08	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 10:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/05/19 10:08*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/05/19 10:08*	*1*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*09/05/19 10:08*	*1*

Client Sample ID: AVB 122-01-20190826

Lab Sample ID: 550-128836-2

Date Collected: 08/26/19 14:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 11:05	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 11:05	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 11:05	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 11:05	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 11:05	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 11:05	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 11:05	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 11:05	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 11:05	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 11:05	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 11:05	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 11:05	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 11:05	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 11:05	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 11:05	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 11:05	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 11:05	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 11:05	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 11:05	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 122-01-20190826

Lab Sample ID: 550-128836-2

Date Collected: 08/26/19 14:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 11:05	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 11:05	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 11:05	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 11:05	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 11:05	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 11:05	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 11:05	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 11:05	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 11:05	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 11:05	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 11:05	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 11:05	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 11:05	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 11:05	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 11:05	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 11:05	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 11:05	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 11:05	1
Chloroform	**0.76**	**E4**	2.0	0.13	ug/L			09/05/19 11:05	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 11:05	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 11:05	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 11:05	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 11:05	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 11:05	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 11:05	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 11:05	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 11:05	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 11:05	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 11:05	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 11:05	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 11:05	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 11:05	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 11:05	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 11:05	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 11:05	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 11:05	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 11:05	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 11:05	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 11:05	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 11:05	1
Tetrachloroethene	**2.0**		2.0	0.18	ug/L			09/05/19 11:05	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 11:05	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 11:05	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 11:05	1
Trichloroethene	**0.95**	**E4**	2.0	0.24	ug/L			09/05/19 11:05	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 11:05	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 11:05	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 11:05	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 11:05	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 122-01-20190826

Lab Sample ID: 550-128836-2

Date Collected: 08/26/19 14:00
Matrix: Water
Date Received: 08/30/19 11:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*09/05/19 11:05*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*09/05/19 11:05*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*09/05/19 11:05*	*1*

Client Sample ID: AVB 121-01-20190827

Lab Sample ID: 550-128836-3

Date Collected: 08/27/19 09:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 11:33	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 11:33	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 11:33	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 11:33	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 11:33	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 11:33	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 11:33	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 11:33	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 11:33	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 11:33	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 11:33	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 11:33	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 11:33	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 11:33	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 11:33	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 11:33	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 11:33	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 11:33	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 11:33	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 11:33	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 11:33	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 11:33	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 11:33	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 11:33	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 11:33	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 11:33	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 11:33	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 11:33	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 11:33	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 11:33	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 11:33	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 11:33	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 11:33	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 11:33	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 11:33	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 11:33	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 11:33	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/05/19 11:33	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 11:33	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 11:33	1

Client Sample ID: AVB 121-01-20190827

Lab Sample ID: 550-128836-3

Date Collected: 08/27/19 09:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 11:33	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 11:33	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 11:33	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 11:33	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 11:33	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 11:33	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 11:33	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 11:33	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 11:33	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 11:33	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 11:33	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 11:33	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 11:33	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 11:33	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 11:33	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 11:33	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 11:33	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 11:33	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 11:33	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/05/19 11:33	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 11:33	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 11:33	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 11:33	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/05/19 11:33	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 11:33	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 11:33	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 11:33	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/05/19 11:33*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/05/19 11:33*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*09/05/19 11:33*	*1*

Client Sample ID: AVB 128-01-20190827

Lab Sample ID: 550-128836-4

Date Collected: 08/27/19 10:30
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 12:01	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 12:01	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 12:01	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 12:01	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 12:01	1
1,1-Dichloroethene	**0.27**	**E4**	5.0	0.23	ug/L			09/05/19 12:01	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 12:01	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 12:01	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 12:01	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 12:01	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 128-01-20190827

Lab Sample ID: 550-128836-4

Date Collected: 08/27/19 10:30

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 12:01	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 12:01	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 12:01	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 12:01	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 12:01	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 12:01	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 12:01	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 12:01	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 12:01	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 12:01	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 12:01	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 12:01	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 12:01	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 12:01	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 12:01	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 12:01	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 12:01	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 12:01	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 12:01	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 12:01	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 12:01	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 12:01	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 12:01	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 12:01	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 12:01	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 12:01	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 12:01	1
Chloroform	**4.6**		2.0	0.13	ug/L			09/05/19 12:01	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 12:01	1
cis-1,2-Dichloroethene	**0.71**	**E4**	2.0	0.21	ug/L			09/05/19 12:01	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 12:01	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 12:01	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 12:01	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 12:01	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 12:01	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 12:01	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 12:01	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 12:01	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 12:01	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 12:01	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 12:01	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 12:01	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 12:01	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 12:01	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 12:01	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 12:01	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 12:01	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 12:01	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 12:01	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 128-01-20190827

Lab Sample ID: 550-128836-4

Date Collected: 08/27/19 10:30
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**3.2**		2.0	0.18	ug/L			09/05/19 12:01	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 12:01	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 12:01	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 12:01	1
Trichloroethene	**7.9**		2.0	0.24	ug/L			09/05/19 12:01	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 12:01	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 12:01	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 12:01	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*70 - 130*		*09/05/19 12:01*	*1*
Toluene-d8 (Surr)	*129*		*70 - 130*		*09/05/19 12:01*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/05/19 12:01*	*1*

Client Sample ID: AVB 117-01-20190827

Lab Sample ID: 550-128836-5

Date Collected: 08/27/19 11:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 12:29	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 12:29	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 12:29	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 12:29	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 12:29	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 12:29	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 12:29	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 12:29	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 12:29	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 12:29	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 12:29	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 12:29	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 12:29	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 12:29	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 12:29	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 12:29	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 12:29	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 12:29	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 12:29	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 12:29	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 12:29	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 12:29	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 12:29	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 12:29	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 12:29	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 12:29	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 12:29	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 12:29	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 12:29	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 117-01-20190827

Lab Sample ID: 550-128836-5

Date Collected: 08/27/19 11:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 12:29	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 12:29	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 12:29	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 12:29	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 12:29	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 12:29	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 12:29	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 12:29	1
Chloroform	**2.7**		2.0	0.13	ug/L			09/05/19 12:29	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 12:29	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 12:29	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 12:29	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 12:29	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 12:29	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 12:29	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 12:29	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 12:29	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 12:29	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 12:29	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 12:29	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 12:29	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 12:29	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 12:29	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 12:29	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 12:29	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 12:29	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 12:29	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 12:29	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 12:29	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 12:29	1
Tetrachloroethene	**1.5**	**E4**	2.0	0.18	ug/L			09/05/19 12:29	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 12:29	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 12:29	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 12:29	1
Trichloroethene	**0.44**	**E4**	2.0	0.24	ug/L			09/05/19 12:29	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 12:29	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 12:29	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 12:29	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*70 - 130*		*09/05/19 12:29*	*1*
Toluene-d8 (Surr)	*128*		*70 - 130*		*09/05/19 12:29*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*09/05/19 12:29*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 94-02-20190827

Lab Sample ID: 550-128836-6

Date Collected: 08/27/19 11:30

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 12:57	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 12:57	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 12:57	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 12:57	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 12:57	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 12:57	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 12:57	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 12:57	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 12:57	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 12:57	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 12:57	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 12:57	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 12:57	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 12:57	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 12:57	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 12:57	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 12:57	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 12:57	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 12:57	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 12:57	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 12:57	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 12:57	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 12:57	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 12:57	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 12:57	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 12:57	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 12:57	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 12:57	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 12:57	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 12:57	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 12:57	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 12:57	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 12:57	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 12:57	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 12:57	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 12:57	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 12:57	1
Chloroform	**0.16**	**E4**	2.0	0.13	ug/L			09/05/19 12:57	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 12:57	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 12:57	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 12:57	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 12:57	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 12:57	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 12:57	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 12:57	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 12:57	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 12:57	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 12:57	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 12:57	1

Client Sample ID: AVB 94-02-20190827

Lab Sample ID: 550-128836-6

Date Collected: 08/27/19 11:30
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 12:57	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 12:57	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 12:57	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 12:57	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 12:57	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 12:57	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 12:57	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 12:57	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 12:57	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 12:57	1
Tetrachloroethene	**0.77**	**E4**	2.0	0.18	ug/L			09/05/19 12:57	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 12:57	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 12:57	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 12:57	1
Trichloroethene	**0.91**	**E4**	2.0	0.24	ug/L			09/05/19 12:57	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 12:57	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 12:57	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 12:57	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*09/05/19 12:57*	*1*
Toluene-d8 (Surr)	*126*		*70 - 130*		*09/05/19 12:57*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/05/19 12:57*	*1*

Client Sample ID: AVB 130-01-20190827

Lab Sample ID: 550-128836-7

Date Collected: 08/27/19 12:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 13:25	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 13:25	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 13:25	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 13:25	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 13:25	1
1,1-Dichloroethene	**1.8**	**E4**	5.0	0.23	ug/L			09/05/19 13:25	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 13:25	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 13:25	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 13:25	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 13:25	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 13:25	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 13:25	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 13:25	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 13:25	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 13:25	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 13:25	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 13:25	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 13:25	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 13:25	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 130-01-20190827

Lab Sample ID: 550-128836-7

Date Collected: 08/27/19 12:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 13:25	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 13:25	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 13:25	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 13:25	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 13:25	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 13:25	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 13:25	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 13:25	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 13:25	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 13:25	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 13:25	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 13:25	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 13:25	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 13:25	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 13:25	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 13:25	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 13:25	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 13:25	1
Chloroform	**0.94**	**E4**	2.0	0.13	ug/L			09/05/19 13:25	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 13:25	1
cis-1,2-Dichloroethene	**0.28**	**E4**	2.0	0.21	ug/L			09/05/19 13:25	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 13:25	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 13:25	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 13:25	1
Dichlorodifluoromethane	**13**		5.0	0.15	ug/L			09/05/19 13:25	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 13:25	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 13:25	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 13:25	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 13:25	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 13:25	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 13:25	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 13:25	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 13:25	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 13:25	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 13:25	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 13:25	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 13:25	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 13:25	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 13:25	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 13:25	1
Tetrachloroethene	**0.29**	**E4**	2.0	0.18	ug/L			09/05/19 13:25	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 13:25	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 13:25	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 13:25	1
Trichloroethene	**20**		2.0	0.24	ug/L			09/05/19 13:25	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 13:25	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 13:25	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 13:25	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 13:25	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 130-01-20190827

Lab Sample ID: 550-128836-7

Date Collected: 08/27/19 12:00
Matrix: Water
Date Received: 08/30/19 11:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*70 - 130*		*09/05/19 13:25*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*09/05/19 13:25*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*09/05/19 13:25*	*1*

Client Sample ID: AVB 92-02-20190827

Lab Sample ID: 550-128836-8

Date Collected: 08/27/19 12:45
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 13:54	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 13:54	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 13:54	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 13:54	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 13:54	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 13:54	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 13:54	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 13:54	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 13:54	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 13:54	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 13:54	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 13:54	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 13:54	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 13:54	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 13:54	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 13:54	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 13:54	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 13:54	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 13:54	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 13:54	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 13:54	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 13:54	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 13:54	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 13:54	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 13:54	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 13:54	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 13:54	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 13:54	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 13:54	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 13:54	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 13:54	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 13:54	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 13:54	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 13:54	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 13:54	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 13:54	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 13:54	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/05/19 13:54	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 13:54	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 13:54	1

Client Sample ID: AVB 92-02-20190827

Lab Sample ID: 550-128836-8

Date Collected: 08/27/19 12:45
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 13:54	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 13:54	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 13:54	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 13:54	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 13:54	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 13:54	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 13:54	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 13:54	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 13:54	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 13:54	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 13:54	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 13:54	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 13:54	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 13:54	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 13:54	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 13:54	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 13:54	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 13:54	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 13:54	1
Tetrachloroethene	**0.34**	**E4**	2.0	0.18	ug/L			09/05/19 13:54	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 13:54	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 13:54	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 13:54	1
Trichloroethene	**1.7**	**E4**	2.0	0.24	ug/L			09/05/19 13:54	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 13:54	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 13:54	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 13:54	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*70 - 130*		*09/05/19 13:54*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/05/19 13:54*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*09/05/19 13:54*	*1*

Client Sample ID: AVB 125-01-20190828

Lab Sample ID: 550-128836-9

Date Collected: 08/28/19 06:53
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 14:22	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 14:22	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 14:22	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 14:22	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 14:22	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 14:22	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 14:22	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 14:22	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 14:22	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 14:22	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 125-01-20190828

Lab Sample ID: 550-128836-9

Date Collected: 08/28/19 06:53
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 14:22	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 14:22	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 14:22	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 14:22	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 14:22	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 14:22	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 14:22	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 14:22	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 14:22	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 14:22	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 14:22	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 14:22	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 14:22	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 14:22	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 14:22	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 14:22	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 14:22	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 14:22	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 14:22	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 14:22	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 14:22	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 14:22	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 14:22	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 14:22	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 14:22	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 14:22	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 14:22	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/05/19 14:22	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 14:22	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 14:22	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 14:22	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 14:22	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 14:22	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 14:22	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 14:22	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 14:22	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 14:22	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 14:22	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 14:22	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 14:22	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 14:22	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 14:22	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 14:22	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 14:22	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 14:22	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 14:22	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 14:22	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 14:22	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 14:22	1

Client Sample ID: AVB 125-01-20190828

Lab Sample ID: 550-128836-9

Date Collected: 08/28/19 06:53
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**7.4**		2.0	0.18	ug/L			09/05/19 14:22	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 14:22	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 14:22	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 14:22	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/05/19 14:22	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 14:22	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 14:22	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 14:22	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*70 - 130*		*09/05/19 14:22*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/05/19 14:22*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/05/19 14:22*	*1*

Client Sample ID: AVB 85-01-20190828

Lab Sample ID: 550-128836-10

Date Collected: 08/28/19 07:57
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/03/19 19:12	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/03/19 19:12	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/03/19 19:12	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/03/19 19:12	1
1,1-Dichloroethane	ND	R6	2.0		ug/L			09/03/19 19:12	1
1,1-Dichloroethene	ND	R6	5.0		ug/L			09/03/19 19:12	1
1,1-Dichloropropene	ND		2.0		ug/L			09/03/19 19:12	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/03/19 19:12	1
1,2,3-Trichloropropane	ND		10		ug/L			09/03/19 19:12	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/03/19 19:12	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/03/19 19:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/03/19 19:12	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/03/19 19:12	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/03/19 19:12	1
1,2-Dichloroethane	ND		2.0		ug/L			09/03/19 19:12	1
1,2-Dichloropropane	ND		2.0		ug/L			09/03/19 19:12	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/03/19 19:12	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/03/19 19:12	1
1,3-Dichloropropane	ND		2.0		ug/L			09/03/19 19:12	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/03/19 19:12	1
2,2-Dichloropropane	ND		2.0		ug/L			09/03/19 19:12	1
2-Butanone (MEK)	ND		10		ug/L			09/03/19 19:12	1
2-Chlorotoluene	ND		5.0		ug/L			09/03/19 19:12	1
2-Hexanone	ND		10		ug/L			09/03/19 19:12	1
4-Chlorotoluene	ND		5.0		ug/L			09/03/19 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/03/19 19:12	1
Acetone	ND	V1	20		ug/L			09/03/19 19:12	1
Benzene	ND		2.0		ug/L			09/03/19 19:12	1
Bromobenzene	ND		5.0		ug/L			09/03/19 19:12	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 85-01-20190828

Lab Sample ID: 550-128836-10

Date Collected: 08/28/19 07:57

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		5.0		ug/L			09/03/19 19:12	1
Bromodichloromethane	ND		2.0		ug/L			09/03/19 19:12	1
Bromoform	ND		5.0		ug/L			09/03/19 19:12	1
Bromomethane	ND	R6	5.0		ug/L			09/03/19 19:12	1
Carbon disulfide	ND	R6	5.0		ug/L			09/03/19 19:12	1
Carbon tetrachloride	ND		5.0		ug/L			09/03/19 19:12	1
Chlorobenzene	ND		2.0		ug/L			09/03/19 19:12	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 17:02	1
Chloroform	ND		2.0		ug/L			09/03/19 19:12	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 17:02	1
cis-1,2-Dichloroethene	ND		2.0		ug/L			09/03/19 19:12	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/03/19 19:12	1
Chlorodibromomethane	ND		2.0		ug/L			09/03/19 19:12	1
Dibromomethane	ND		2.0		ug/L			09/03/19 19:12	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/03/19 19:12	1
Ethylbenzene	ND		2.0		ug/L			09/03/19 19:12	1
Hexachlorobutadiene	ND		5.0		ug/L			09/03/19 19:12	1
Iodomethane	ND	R6	2.0		ug/L			09/03/19 19:12	1
Isopropylbenzene	ND		2.0		ug/L			09/03/19 19:12	1
m,p-Xylenes	ND		5.0		ug/L			09/03/19 19:12	1
Methylene Chloride	ND	R6	5.0		ug/L			09/03/19 19:12	1
Methyl tert-butyl ether	**0.97**	**E4**	1.0	0.22	ug/L			09/04/19 17:02	1
Naphthalene	ND		5.0		ug/L			09/03/19 19:12	1
n-Butylbenzene	ND		5.0		ug/L			09/03/19 19:12	1
n-Propylbenzene	ND		2.0		ug/L			09/03/19 19:12	1
o-Xylene	ND		5.0		ug/L			09/03/19 19:12	1
p-Isopropyltoluene	ND		2.0		ug/L			09/03/19 19:12	1
sec-Butylbenzene	ND		5.0		ug/L			09/03/19 19:12	1
Styrene	ND		2.0		ug/L			09/03/19 19:12	1
tert-Butylbenzene	ND		5.0		ug/L			09/03/19 19:12	1
Tetrachloroethene	ND		2.0		ug/L			09/03/19 19:12	1
Toluene	ND		2.0		ug/L			09/03/19 19:12	1
trans-1,2-Dichloroethene	ND	R6	2.0		ug/L			09/03/19 19:12	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/03/19 19:12	1
Trichloroethene	ND		2.0		ug/L			09/03/19 19:12	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 17:02	1
Vinyl acetate	ND	R6	25		ug/L			09/03/19 19:12	1
Vinyl chloride	ND	R6	5.0		ug/L			09/03/19 19:12	1
Xylenes, Total	ND		10		ug/L			09/03/19 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/03/19 19:12*	*1*
Dibromofluoromethane (Surr)	*121*		*70 - 130*		*09/04/19 17:02*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/03/19 19:12*	*1*
Toluene-d8 (Surr)	*123*		*70 - 130*		*09/04/19 17:02*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/03/19 19:12*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/04/19 17:02*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 124-01-20190828

Lab Sample ID: 550-128836-11

Date Collected: 08/28/19 08:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/03/19 19:38	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/03/19 19:38	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/03/19 19:38	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/03/19 19:38	1
1,1-Dichloroethane	**4.5**	**R6**	2.0		ug/L			09/03/19 19:38	1
1,1-Dichloroethene	**11**	**R6**	5.0		ug/L			09/03/19 19:38	1
1,1-Dichloropropene	ND		2.0		ug/L			09/03/19 19:38	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/03/19 19:38	1
1,2,3-Trichloropropane	ND		10		ug/L			09/03/19 19:38	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/03/19 19:38	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/03/19 19:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/03/19 19:38	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/03/19 19:38	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/03/19 19:38	1
1,2-Dichloroethane	ND		2.0		ug/L			09/03/19 19:38	1
1,2-Dichloropropane	ND		2.0		ug/L			09/03/19 19:38	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/03/19 19:38	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/03/19 19:38	1
1,3-Dichloropropane	ND		2.0		ug/L			09/03/19 19:38	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/03/19 19:38	1
2,2-Dichloropropane	ND		2.0		ug/L			09/03/19 19:38	1
2-Butanone (MEK)	ND		10		ug/L			09/03/19 19:38	1
2-Chlorotoluene	ND		5.0		ug/L			09/03/19 19:38	1
2-Hexanone	ND		10		ug/L			09/03/19 19:38	1
4-Chlorotoluene	ND		5.0		ug/L			09/03/19 19:38	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/03/19 19:38	1
Acetone	ND	V1	20		ug/L			09/03/19 19:38	1
Benzene	ND		2.0		ug/L			09/03/19 19:38	1
Bromobenzene	ND		5.0		ug/L			09/03/19 19:38	1
Bromochloromethane	ND		5.0		ug/L			09/03/19 19:38	1
Bromodichloromethane	ND		2.0		ug/L			09/03/19 19:38	1
Bromoform	ND		5.0		ug/L			09/03/19 19:38	1
Bromomethane	ND	R6	5.0		ug/L			09/03/19 19:38	1
Carbon disulfide	ND	R6	5.0		ug/L			09/03/19 19:38	1
Carbon tetrachloride	ND		5.0		ug/L			09/03/19 19:38	1
Chlorobenzene	ND		2.0		ug/L			09/03/19 19:38	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 17:30	1
Chloroform	ND		2.0		ug/L			09/03/19 19:38	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 17:30	1
cis-1,2-Dichloroethene	**18**		2.0		ug/L			09/03/19 19:38	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/03/19 19:38	1
Chlorodibromomethane	ND		2.0		ug/L			09/03/19 19:38	1
Dibromomethane	ND		2.0		ug/L			09/03/19 19:38	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/03/19 19:38	1
Ethylbenzene	ND		2.0		ug/L			09/03/19 19:38	1
Hexachlorobutadiene	ND		5.0		ug/L			09/03/19 19:38	1
Iodomethane	ND	R6	2.0		ug/L			09/03/19 19:38	1
Isopropylbenzene	ND		2.0		ug/L			09/03/19 19:38	1
m,p-Xylenes	ND		5.0		ug/L			09/03/19 19:38	1

Client Sample ID: AVB 124-01-20190828

Lab Sample ID: 550-128836-11

Date Collected: 08/28/19 08:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	R6	5.0		ug/L			09/03/19 19:38	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 17:30	1
Naphthalene	ND		5.0		ug/L			09/03/19 19:38	1
n-Butylbenzene	ND		5.0		ug/L			09/03/19 19:38	1
n-Propylbenzene	ND		2.0		ug/L			09/03/19 19:38	1
o-Xylene	ND		5.0		ug/L			09/03/19 19:38	1
p-Isopropyltoluene	ND		2.0		ug/L			09/03/19 19:38	1
sec-Butylbenzene	ND		5.0		ug/L			09/03/19 19:38	1
Styrene	ND		2.0		ug/L			09/03/19 19:38	1
tert-Butylbenzene	ND		5.0		ug/L			09/03/19 19:38	1
Tetrachloroethene	**5.3**		2.0		ug/L			09/03/19 19:38	1
Toluene	ND		2.0		ug/L			09/03/19 19:38	1
trans-1,2-Dichloroethene	ND	R6	2.0		ug/L			09/03/19 19:38	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/03/19 19:38	1
Trichloroethene	**110**		2.0		ug/L			09/03/19 19:38	1
Trichlorofluoromethane	**0.81**	**E4**	5.0	0.15	ug/L			09/04/19 17:30	1
Vinyl acetate	ND	R6	25		ug/L			09/03/19 19:38	1
Vinyl chloride	ND	R6	5.0		ug/L			09/03/19 19:38	1
Xylenes, Total	ND		10		ug/L			09/03/19 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/03/19 19:38*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/04/19 17:30*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/03/19 19:38*	*1*
Toluene-d8 (Surr)	*127*		*70 - 130*		*09/04/19 17:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*09/03/19 19:38*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/04/19 17:30*	*1*

Client Sample ID: AVB 123-01-20190828

Lab Sample ID: 550-128836-12

Date Collected: 08/28/19 09:06

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 17:58	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 17:58	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 17:58	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 17:58	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/04/19 17:58	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/04/19 17:58	1
1,1-Dichloropropene	ND	E8 L5 V1	2.0	0.20	ug/L			09/04/19 17:58	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 17:58	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 17:58	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 17:58	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 17:58	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 17:58	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 17:58	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 17:58	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 17:58	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 17:58	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 123-01-20190828

Lab Sample ID: 550-128836-12

Date Collected: 08/28/19 09:06
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 17:58	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 17:58	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 17:58	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 17:58	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 17:58	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 17:58	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 17:58	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 17:58	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 17:58	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 17:58	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 17:58	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 17:58	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 17:58	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 17:58	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 17:58	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 17:58	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 17:58	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 17:58	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 17:58	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 17:58	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 17:58	1
Chloroform	**2.7**		2.0	0.13	ug/L			09/04/19 17:58	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 17:58	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/04/19 17:58	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 17:58	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 17:58	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 17:58	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 17:58	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 17:58	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 17:58	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 17:58	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 17:58	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 17:58	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 17:58	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 17:58	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 17:58	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 17:58	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 17:58	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 17:58	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 17:58	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 17:58	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 17:58	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 17:58	1
Tetrachloroethene	**3.2**		2.0	0.18	ug/L			09/04/19 17:58	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 17:58	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 17:58	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 17:58	1
Trichloroethene	**1.1**	**E4**	2.0	0.24	ug/L			09/04/19 17:58	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 17:58	1

Client Sample ID: AVB 123-01-20190828

Lab Sample ID: 550-128836-12

Date Collected: 08/28/19 09:06
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 17:58	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 17:58	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/04/19 17:58*	*1*
Toluene-d8 (Surr)	*125*		*70 - 130*		*09/04/19 17:58*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/04/19 17:58*	*1*

Client Sample ID: AVB 116-01-20190828

Lab Sample ID: 550-128836-13

Date Collected: 08/28/19 09:40
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 05:06	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 05:06	1
1,1,2,2-Tetrachloroethane	ND	E8 R4	2.0	0.33	ug/L			09/04/19 05:06	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 05:06	1
1,1-Dichloroethane	**0.27**	**E4**	2.0	0.14	ug/L			09/04/19 05:06	1
1,1-Dichloroethene	**0.52**	**E4**	5.0	0.23	ug/L			09/04/19 05:06	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/04/19 05:06	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 05:06	1
1,2,3-Trichloropropane	ND	E8 R4	10	0.78	ug/L			09/04/19 05:06	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 05:06	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 05:06	1
1,2-Dibromo-3-Chloropropane	ND	E8 R4	5.0	0.82	ug/L			09/04/19 05:06	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 05:06	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 05:06	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 05:06	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 05:06	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 05:06	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 05:06	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 05:06	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 05:06	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 05:06	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 05:06	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 05:06	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 05:06	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 05:06	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 05:06	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 05:06	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 05:06	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 05:06	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 05:06	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 05:06	1
Bromoform	ND	E8 R4	5.0	0.37	ug/L			09/04/19 05:06	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 05:06	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 05:06	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 05:06	1

Client Sample ID: AVB 116-01-20190828

Lab Sample ID: 550-128836-13

Date Collected: 08/28/19 09:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 05:06	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 05:06	1
Chloroform	**1.2**	**E4**	2.0	0.13	ug/L			09/04/19 05:06	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 05:06	1
cis-1,2-Dichloroethene	**0.29**	**E4**	2.0	0.21	ug/L			09/04/19 05:06	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 05:06	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 05:06	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 05:06	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 05:06	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 05:06	1
Hexachlorobutadiene	ND	E8 M2 R13	5.0	0.28	ug/L			09/04/19 05:06	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 05:06	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 05:06	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 05:06	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 05:06	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 05:06	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 05:06	1
n-Butylbenzene	ND	E8 R4	5.0	0.21	ug/L			09/04/19 05:06	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 05:06	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 05:06	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 05:06	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 05:06	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 05:06	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 05:06	1
Tetrachloroethene	**0.49**	**E4**	2.0	0.18	ug/L			09/04/19 05:06	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 05:06	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 05:06	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 05:06	1
Trichloroethene	**1.5**	**E4**	2.0	0.24	ug/L			09/04/19 05:06	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 05:06	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 05:06	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 05:06	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*09/04/19 05:06*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/04/19 05:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*09/04/19 05:06*	*1*

Client Sample ID: AVB 134-01-20190828

Lab Sample ID: 550-128836-14

Date Collected: 08/28/19 12:05

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 10:41	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 10:41	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 10:41	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 10:41	1
1,1-Dichloroethane	**1.6**	**E4**	2.0	0.14	ug/L			09/04/19 10:41	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 134-01-20190828

Lab Sample ID: 550-128836-14

Date Collected: 08/28/19 12:05
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**4.3**	**E4**	5.0	0.23	ug/L			09/04/19 10:41	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/04/19 10:41	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 10:41	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 10:41	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 10:41	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 10:41	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 10:41	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 10:41	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 10:41	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 10:41	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 10:41	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 10:41	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 10:41	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 10:41	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 10:41	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 10:41	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 10:41	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 10:41	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 10:41	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 10:41	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 10:41	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 10:41	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 10:41	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 10:41	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 10:41	1
Bromodichloromethane	**7.3**		2.0	0.23	ug/L			09/04/19 10:41	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 10:41	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 10:41	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 10:41	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 10:41	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 10:41	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 10:41	1
Chloroform	**14**		2.0	0.13	ug/L			09/04/19 10:41	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 10:41	1
cis-1,2-Dichloroethene	**3.0**		2.0	0.21	ug/L			09/04/19 10:41	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 10:41	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 10:41	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 10:41	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 10:41	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 10:41	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 10:41	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 10:41	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 10:41	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 10:41	1
Methylene Chloride	**0.83**	**E4**	5.0	0.67	ug/L			09/04/19 10:41	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 10:41	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 10:41	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 10:41	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 10:41	1

Client Sample ID: AVB 134-01-20190828

Lab Sample ID: 550-128836-14

Date Collected: 08/28/19 12:05
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 10:41	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 10:41	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 10:41	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 10:41	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 10:41	1
Tetrachloroethene	**1.8**	**E4**	2.0	0.18	ug/L			09/04/19 10:41	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 10:41	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 10:41	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 10:41	1
Trichloroethene	**23**		2.0	0.24	ug/L			09/04/19 10:41	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 10:41	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 10:41	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 10:41	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*09/04/19 10:41*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/04/19 10:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*09/04/19 10:41*	*1*

Client Sample ID: AVB 134-02-20190828

Lab Sample ID: 550-128836-15

Date Collected: 08/28/19 12:15
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 11:12	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 11:12	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 11:12	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 11:12	1
1,1-Dichloroethane	**7.8**		2.0	0.14	ug/L			09/04/19 11:12	1
1,1-Dichloroethene	**14**		5.0	0.23	ug/L			09/04/19 11:12	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/04/19 11:12	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 11:12	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 11:12	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 11:12	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 11:12	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 11:12	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 11:12	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 11:12	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 11:12	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 11:12	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 11:12	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 11:12	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 11:12	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 11:12	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 11:12	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 11:12	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 11:12	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 11:12	1

Client Sample ID: AVB 134-02-20190828

Lab Sample ID: 550-128836-15

Date Collected: 08/28/19 12:15

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 11:12	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 11:12	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 11:12	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 11:12	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 11:12	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 11:12	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 11:12	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 11:12	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 11:12	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 11:12	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 11:12	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 11:12	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 11:12	1
Chloroform	**2.5**		2.0	0.13	ug/L			09/04/19 11:12	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 11:12	1
cis-1,2-Dichloroethene	**19**		2.0	0.21	ug/L			09/04/19 11:12	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 11:12	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 11:12	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 11:12	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 11:12	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 11:12	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 11:12	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 11:12	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 11:12	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 11:12	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 11:12	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 11:12	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 11:12	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 11:12	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 11:12	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 11:12	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 11:12	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 11:12	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 11:12	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 11:12	1
Tetrachloroethene	**5.0**		2.0	0.18	ug/L			09/04/19 11:12	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 11:12	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 11:12	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 11:12	1
Trichloroethene	**90**		2.0	0.24	ug/L			09/04/19 11:12	1
Trichlorofluoromethane	**0.67**	**E4**	5.0	0.15	ug/L			09/04/19 11:12	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 11:12	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 11:12	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*09/04/19 11:12*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/04/19 11:12*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/04/19 11:12*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 72-01-20190828

Lab Sample ID: 550-128836-16

Date Collected: 08/28/19 12:47

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 11:42	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 11:42	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 11:42	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 11:42	1
1,1-Dichloroethane	**0.37**	**E4**	2.0	0.14	ug/L			09/04/19 11:42	1
1,1-Dichloroethene	**0.61**	**E4**	5.0	0.23	ug/L			09/04/19 11:42	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/04/19 11:42	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 11:42	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 11:42	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 11:42	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 11:42	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 11:42	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 11:42	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 11:42	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 11:42	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 11:42	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 11:42	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 11:42	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 11:42	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 11:42	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 11:42	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 11:42	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 11:42	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 11:42	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 11:42	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 11:42	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 11:42	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 11:42	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 11:42	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 11:42	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 11:42	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 11:42	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 11:42	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 11:42	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 11:42	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 11:42	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 11:42	1
Chloroform	**2.9**		2.0	0.13	ug/L			09/04/19 11:42	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 11:42	1
cis-1,2-Dichloroethene	**1.9**	**E4**	2.0	0.21	ug/L			09/04/19 11:42	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 11:42	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 11:42	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 11:42	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 11:42	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 11:42	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 11:42	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 11:42	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 11:42	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 11:42	1

Client Sample ID: AVB 72-01-20190828

Lab Sample ID: 550-128836-16

Date Collected: 08/28/19 12:47

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 11:42	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 11:42	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 11:42	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 11:42	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 11:42	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 11:42	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 11:42	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 11:42	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 11:42	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 11:42	1
Tetrachloroethene	**9.3**		2.0	0.18	ug/L			09/04/19 11:42	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 11:42	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 11:42	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 11:42	1
Trichloroethene	**12**		2.0	0.24	ug/L			09/04/19 11:42	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 11:42	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 11:42	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 11:42	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*09/04/19 11:42*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/04/19 11:42*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/04/19 11:42*	*1*

Client Sample ID: AVB 116-02-20190829

Lab Sample ID: 550-128836-17

Date Collected: 08/29/19 06:12

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 12:13	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 12:13	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 12:13	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 12:13	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/04/19 12:13	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/04/19 12:13	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/04/19 12:13	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 12:13	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 12:13	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 12:13	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 12:13	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 12:13	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 12:13	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 12:13	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 12:13	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 12:13	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 12:13	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 12:13	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 12:13	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 116-02-20190829

Lab Sample ID: 550-128836-17

Date Collected: 08/29/19 06:12

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 12:13	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 12:13	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 12:13	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 12:13	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 12:13	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 12:13	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 12:13	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 12:13	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 12:13	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 12:13	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 12:13	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 12:13	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 12:13	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 12:13	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 12:13	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 12:13	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 12:13	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 12:13	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/04/19 12:13	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 12:13	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/04/19 12:13	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 12:13	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 12:13	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 12:13	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 12:13	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 12:13	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 12:13	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 12:13	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 12:13	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 12:13	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 12:13	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 12:13	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 12:13	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 12:13	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 12:13	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 12:13	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 12:13	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 12:13	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 12:13	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 12:13	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/04/19 12:13	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 12:13	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 12:13	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 12:13	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/04/19 12:13	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 12:13	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 12:13	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 12:13	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 12:13	1

Client Sample ID: AVB 116-02-20190829

Lab Sample ID: 550-128836-17

Date Collected: 08/29/19 06:12

Matrix: Water

Date Received: 08/30/19 11:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		70 - 130		09/04/19 12:13	1
Toluene-d8 (Surr)	100		70 - 130		09/04/19 12:13	1
4-Bromofluorobenzene (Surr)	103		70 - 130		09/04/19 12:13	1

Client Sample ID: AVB 132-01-20190829

Lab Sample ID: 550-128836-18

Date Collected: 08/29/19 07:00

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/04/19 01:04	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/04/19 01:04	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/04/19 01:04	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/04/19 01:04	1
1,1-Dichloroethane	**7.0**		2.0		ug/L			09/04/19 01:04	1
1,1-Dichloroethene	**12**		5.0		ug/L			09/04/19 01:04	1
1,1-Dichloropropene	ND		2.0		ug/L			09/04/19 01:04	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/04/19 01:04	1
1,2,3-Trichloropropane	ND		10		ug/L			09/04/19 01:04	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/04/19 01:04	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/04/19 01:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/04/19 01:04	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/04/19 01:04	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/04/19 01:04	1
1,2-Dichloroethane	ND		2.0		ug/L			09/04/19 01:04	1
1,2-Dichloropropane	ND		2.0		ug/L			09/04/19 01:04	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/04/19 01:04	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/04/19 01:04	1
1,3-Dichloropropane	ND		2.0		ug/L			09/04/19 01:04	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/04/19 01:04	1
2,2-Dichloropropane	ND		2.0		ug/L			09/04/19 01:04	1
2-Butanone (MEK)	ND		10		ug/L			09/04/19 01:04	1
2-Chlorotoluene	ND		5.0		ug/L			09/04/19 01:04	1
2-Hexanone	ND		10		ug/L			09/04/19 01:04	1
4-Chlorotoluene	ND		5.0		ug/L			09/04/19 01:04	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/04/19 01:04	1
Acetone	ND		20		ug/L			09/04/19 01:04	1
Benzene	ND		2.0		ug/L			09/04/19 01:04	1
Bromobenzene	ND		5.0		ug/L			09/04/19 01:04	1
Bromochloromethane	ND		5.0		ug/L			09/04/19 01:04	1
Bromodichloromethane	ND		2.0		ug/L			09/04/19 01:04	1
Bromoform	ND		5.0		ug/L			09/04/19 01:04	1
Bromomethane	ND		5.0		ug/L			09/04/19 01:04	1
Carbon disulfide	ND		5.0		ug/L			09/04/19 01:04	1
Carbon tetrachloride	ND		5.0		ug/L			09/04/19 01:04	1
Chlorobenzene	ND		2.0		ug/L			09/04/19 01:04	1
Chloroethane	ND		5.0		ug/L			09/04/19 01:04	1
Chloroform	**2.2**		2.0		ug/L			09/04/19 01:04	1
Chloromethane	ND		5.0		ug/L			09/04/19 01:04	1
cis-1,2-Dichloroethene	**20**		2.0		ug/L			09/04/19 01:04	1

Client Sample ID: AVB 132-01-20190829

Lab Sample ID: 550-128836-18

Date Collected: 08/29/19 07:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 01:04	1
Chlorodibromomethane	ND		2.0		ug/L			09/04/19 01:04	1
Dibromomethane	ND		2.0		ug/L			09/04/19 01:04	1
Dichlorodifluoromethane	ND	V1	5.0		ug/L			09/04/19 01:04	1
Ethylbenzene	ND		2.0		ug/L			09/04/19 01:04	1
Hexachlorobutadiene	ND		5.0		ug/L			09/04/19 01:04	1
Iodomethane	ND		2.0		ug/L			09/04/19 01:04	1
Isopropylbenzene	ND		2.0		ug/L			09/04/19 01:04	1
m,p-Xylenes	ND		5.0		ug/L			09/04/19 01:04	1
Methylene Chloride	ND		5.0		ug/L			09/04/19 01:04	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 18:26	1
Naphthalene	ND		5.0		ug/L			09/04/19 01:04	1
n-Butylbenzene	ND		5.0		ug/L			09/04/19 01:04	1
n-Propylbenzene	ND		2.0		ug/L			09/04/19 01:04	1
o-Xylene	ND		5.0		ug/L			09/04/19 01:04	1
p-Isopropyltoluene	ND		2.0		ug/L			09/04/19 01:04	1
sec-Butylbenzene	ND		5.0		ug/L			09/04/19 01:04	1
Styrene	ND		2.0		ug/L			09/04/19 01:04	1
tert-Butylbenzene	ND		5.0		ug/L			09/04/19 01:04	1
Tetrachloroethene	**4.4**		2.0		ug/L			09/04/19 01:04	1
Toluene	ND		2.0		ug/L			09/04/19 01:04	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 01:04	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 01:04	1
Trichloroethene	**94**	**M2**	2.0		ug/L			09/04/19 01:04	1
Trichlorofluoromethane	ND		5.0		ug/L			09/04/19 01:04	1
Vinyl acetate	ND		25		ug/L			09/04/19 01:04	1
Vinyl chloride	ND		5.0		ug/L			09/04/19 01:04	1
Xylenes, Total	ND		10		ug/L			09/04/19 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/04/19 01:04*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*09/04/19 18:26*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/04/19 01:04*	*1*
Toluene-d8 (Surr)	*127*		*70 - 130*		*09/04/19 18:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/04/19 01:04*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*09/04/19 18:26*	*1*

Client Sample ID: AVB 95-01-20190829

Lab Sample ID: 550-128836-19

Date Collected: 08/29/19 07:30
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/04/19 02:21	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/04/19 02:21	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/04/19 02:21	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/04/19 02:21	1
1,1-Dichloroethane	ND		2.0		ug/L			09/04/19 02:21	1
1,1-Dichloroethene	ND		5.0		ug/L			09/04/19 02:21	1
1,1-Dichloropropene	ND		2.0		ug/L			09/04/19 02:21	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 95-01-20190829

Lab Sample ID: 550-128836-19

Date Collected: 08/29/19 07:30

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/04/19 02:21	1
1,2,3-Trichloropropane	ND		10		ug/L			09/04/19 02:21	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/04/19 02:21	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/04/19 02:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/04/19 02:21	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/04/19 02:21	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/04/19 02:21	1
1,2-Dichloroethane	ND		2.0		ug/L			09/04/19 02:21	1
1,2-Dichloropropane	ND		2.0		ug/L			09/04/19 02:21	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/04/19 02:21	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/04/19 02:21	1
1,3-Dichloropropane	ND		2.0		ug/L			09/04/19 02:21	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/04/19 02:21	1
2,2-Dichloropropane	ND		2.0		ug/L			09/04/19 02:21	1
2-Butanone (MEK)	ND		10		ug/L			09/04/19 02:21	1
2-Chlorotoluene	ND		5.0		ug/L			09/04/19 02:21	1
2-Hexanone	ND		10		ug/L			09/04/19 02:21	1
4-Chlorotoluene	ND		5.0		ug/L			09/04/19 02:21	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/04/19 02:21	1
Acetone	ND		20		ug/L			09/04/19 02:21	1
Benzene	ND		2.0		ug/L			09/04/19 02:21	1
Bromobenzene	ND		5.0		ug/L			09/04/19 02:21	1
Bromochloromethane	ND		5.0		ug/L			09/04/19 02:21	1
Bromodichloromethane	ND		2.0		ug/L			09/04/19 02:21	1
Bromoform	ND		5.0		ug/L			09/04/19 02:21	1
Bromomethane	ND		5.0		ug/L			09/04/19 02:21	1
Carbon disulfide	ND		5.0		ug/L			09/04/19 02:21	1
Carbon tetrachloride	ND		5.0		ug/L			09/04/19 02:21	1
Chlorobenzene	ND		2.0		ug/L			09/04/19 02:21	1
Chloroethane	ND		5.0		ug/L			09/04/19 02:21	1
Chloroform	**19**		2.0		ug/L			09/04/19 02:21	1
Chloromethane	ND		5.0		ug/L			09/04/19 02:21	1
cis-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 02:21	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 02:21	1
Chlorodibromomethane	ND		2.0		ug/L			09/04/19 02:21	1
Dibromomethane	ND		2.0		ug/L			09/04/19 02:21	1
Dichlorodifluoromethane	ND	V1	5.0		ug/L			09/04/19 02:21	1
Ethylbenzene	ND		2.0		ug/L			09/04/19 02:21	1
Hexachlorobutadiene	ND		5.0		ug/L			09/04/19 02:21	1
Iodomethane	ND		2.0		ug/L			09/04/19 02:21	1
Isopropylbenzene	ND		2.0		ug/L			09/04/19 02:21	1
m,p-Xylenes	ND		5.0		ug/L			09/04/19 02:21	1
Methylene Chloride	ND		5.0		ug/L			09/04/19 02:21	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 18:54	1
Naphthalene	ND		5.0		ug/L			09/04/19 02:21	1
n-Butylbenzene	ND		5.0		ug/L			09/04/19 02:21	1
n-Propylbenzene	ND		2.0		ug/L			09/04/19 02:21	1
o-Xylene	ND		5.0		ug/L			09/04/19 02:21	1
p-Isopropyltoluene	ND		2.0		ug/L			09/04/19 02:21	1

Client Sample ID: AVB 95-01-20190829

Lab Sample ID: 550-128836-19

Date Collected: 08/29/19 07:30

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0		ug/L			09/04/19 02:21	1
Styrene	ND		2.0		ug/L			09/04/19 02:21	1
tert-Butylbenzene	ND		5.0		ug/L			09/04/19 02:21	1
Tetrachloroethene	ND		2.0		ug/L			09/04/19 02:21	1
Toluene	ND		2.0		ug/L			09/04/19 02:21	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 02:21	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 02:21	1
Trichloroethene	ND		2.0		ug/L			09/04/19 02:21	1
Trichlorofluoromethane	ND		5.0		ug/L			09/04/19 02:21	1
Vinyl acetate	ND		25		ug/L			09/04/19 02:21	1
Vinyl chloride	ND		5.0		ug/L			09/04/19 02:21	1
Xylenes, Total	ND		10		ug/L			09/04/19 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/04/19 02:21*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/04/19 18:54*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/04/19 02:21*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*09/04/19 02:21*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*09/04/19 18:54*	*1*

Client Sample ID: AVB 95-02-20190829

Lab Sample ID: 550-128836-20

Date Collected: 08/29/19 07:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/04/19 02:47	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/04/19 02:47	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/04/19 02:47	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/04/19 02:47	1
1,1-Dichloroethane	ND		2.0		ug/L			09/04/19 02:47	1
1,1-Dichloroethene	ND		5.0		ug/L			09/04/19 02:47	1
1,1-Dichloropropene	ND		2.0		ug/L			09/04/19 02:47	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/04/19 02:47	1
1,2,3-Trichloropropane	ND		10		ug/L			09/04/19 02:47	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/04/19 02:47	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/04/19 02:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/04/19 02:47	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/04/19 02:47	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/04/19 02:47	1
1,2-Dichloroethane	ND		2.0		ug/L			09/04/19 02:47	1
1,2-Dichloropropane	ND		2.0		ug/L			09/04/19 02:47	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/04/19 02:47	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/04/19 02:47	1
1,3-Dichloropropane	ND		2.0		ug/L			09/04/19 02:47	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/04/19 02:47	1
2,2-Dichloropropane	ND		2.0		ug/L			09/04/19 02:47	1
2-Butanone (MEK)	ND		10		ug/L			09/04/19 02:47	1
2-Chlorotoluene	ND		5.0		ug/L			09/04/19 02:47	1
2-Hexanone	ND		10		ug/L			09/04/19 02:47	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 95-02-20190829

Lab Sample ID: 550-128836-20

Date Collected: 08/29/19 07:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0		ug/L			09/04/19 02:47	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/04/19 02:47	1
Acetone	ND		20		ug/L			09/04/19 02:47	1
Benzene	ND		2.0		ug/L			09/04/19 02:47	1
Bromobenzene	ND		5.0		ug/L			09/04/19 02:47	1
Bromochloromethane	ND		5.0		ug/L			09/04/19 02:47	1
Bromodichloromethane	ND		2.0		ug/L			09/04/19 02:47	1
Bromoform	ND		5.0		ug/L			09/04/19 02:47	1
Bromomethane	ND		5.0		ug/L			09/04/19 02:47	1
Carbon disulfide	ND		5.0		ug/L			09/04/19 02:47	1
Carbon tetrachloride	ND		5.0		ug/L			09/04/19 02:47	1
Chlorobenzene	ND		2.0		ug/L			09/04/19 02:47	1
Chloroethane	ND		5.0		ug/L			09/04/19 02:47	1
Chloroform	ND		2.0		ug/L			09/04/19 02:47	1
Chloromethane	ND		5.0		ug/L			09/04/19 02:47	1
cis-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 02:47	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 02:47	1
Chlorodibromomethane	ND		2.0		ug/L			09/04/19 02:47	1
Dibromomethane	ND		2.0		ug/L			09/04/19 02:47	1
Dichlorodifluoromethane	ND	V1	5.0		ug/L			09/04/19 02:47	1
Ethylbenzene	ND		2.0		ug/L			09/04/19 02:47	1
Hexachlorobutadiene	ND		5.0		ug/L			09/04/19 02:47	1
Iodomethane	ND		2.0		ug/L			09/04/19 02:47	1
Isopropylbenzene	ND		2.0		ug/L			09/04/19 02:47	1
m,p-Xylenes	ND		5.0		ug/L			09/04/19 02:47	1
Methylene Chloride	ND		5.0		ug/L			09/04/19 02:47	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 19:22	1
Naphthalene	ND		5.0		ug/L			09/04/19 02:47	1
n-Butylbenzene	ND		5.0		ug/L			09/04/19 02:47	1
n-Propylbenzene	ND		2.0		ug/L			09/04/19 02:47	1
o-Xylene	ND		5.0		ug/L			09/04/19 02:47	1
p-Isopropyltoluene	ND		2.0		ug/L			09/04/19 02:47	1
sec-Butylbenzene	ND		5.0		ug/L			09/04/19 02:47	1
Styrene	ND		2.0		ug/L			09/04/19 02:47	1
tert-Butylbenzene	ND		5.0		ug/L			09/04/19 02:47	1
Tetrachloroethene	ND		2.0		ug/L			09/04/19 02:47	1
Toluene	ND		2.0		ug/L			09/04/19 02:47	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 02:47	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 02:47	1
Trichloroethene	ND		2.0		ug/L			09/04/19 02:47	1
Trichlorofluoromethane	ND		5.0		ug/L			09/04/19 02:47	1
Vinyl acetate	ND		25		ug/L			09/04/19 02:47	1
Vinyl chloride	ND		5.0		ug/L			09/04/19 02:47	1
Xylenes, Total	ND		10		ug/L			09/04/19 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*09/04/19 02:47*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/04/19 19:22*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/04/19 02:47*	*1*
Toluene-d8 (Surr)	*125*		*70 - 130*		*09/04/19 19:22*	*1*

Client Sample ID: AVB 95-02-20190829

Lab Sample ID: 550-128836-20

Date Collected: 08/29/19 07:40
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/04/19 02:47*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/04/19 19:22*	*1*

Client Sample ID: AVB 120-03-20190829

Lab Sample ID: 550-128836-21

Date Collected: 08/29/19 08:15
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 14:50	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 14:50	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 14:50	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 14:50	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 14:50	1
1,1-Dichloroethene	**0.52**	**E4**	5.0	0.23	ug/L			09/05/19 14:50	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 14:50	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 14:50	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 14:50	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 14:50	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 14:50	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 14:50	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 14:50	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 14:50	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 14:50	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 14:50	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 14:50	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 14:50	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 14:50	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 14:50	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 14:50	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 14:50	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 14:50	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 14:50	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 14:50	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 14:50	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 14:50	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 14:50	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 14:50	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 14:50	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 14:50	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 14:50	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 14:50	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 14:50	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 14:50	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 14:50	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 14:50	1
Chloroform	**4.3**		2.0	0.13	ug/L			09/05/19 14:50	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 14:50	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 14:50	1

Client Sample ID: AVB 120-03-20190829

Lab Sample ID: 550-128836-21

Date Collected: 08/29/19 08:15
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 14:50	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 14:50	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 14:50	1
Dichlorodifluoromethane	**0.86**	**E4**	5.0	0.15	ug/L			09/05/19 14:50	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 14:50	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 14:50	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 14:50	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 14:50	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 14:50	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 14:50	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 14:50	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 14:50	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 14:50	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 14:50	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 14:50	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 14:50	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 14:50	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 14:50	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 14:50	1
Tetrachloroethene	**11**		2.0	0.18	ug/L			09/05/19 14:50	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 14:50	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 14:50	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 14:50	1
Trichloroethene	**29**		2.0	0.24	ug/L			09/05/19 14:50	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 14:50	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 14:50	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 14:50	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*70 - 130*		*09/05/19 14:50*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*09/05/19 14:50*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/05/19 14:50*	*1*

Client Sample ID: AVB 96-02-20190829

Lab Sample ID: 550-128836-22

Date Collected: 08/29/19 09:00
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 15:18	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 15:18	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 15:18	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 15:18	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 15:18	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 15:18	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 15:18	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 15:18	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 15:18	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 15:18	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 96-02-20190829

Lab Sample ID: 550-128836-22

Date Collected: 08/29/19 09:00

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 15:18	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 15:18	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 15:18	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 15:18	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 15:18	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 15:18	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 15:18	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 15:18	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 15:18	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 15:18	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 15:18	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 15:18	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 15:18	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 15:18	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 15:18	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 15:18	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 15:18	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 15:18	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 15:18	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 15:18	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 15:18	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 15:18	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 15:18	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 15:18	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 15:18	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 15:18	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 15:18	1
Chloroform	**0.13**	**E4**	2.0	0.13	ug/L			09/05/19 15:18	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 15:18	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 15:18	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 15:18	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 15:18	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 15:18	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 15:18	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 15:18	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 15:18	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 15:18	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 15:18	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 15:18	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 15:18	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 15:18	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 15:18	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 15:18	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 15:18	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 15:18	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 15:18	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 15:18	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 15:18	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 15:18	1

Client Sample ID: AVB 96-02-20190829

Lab Sample ID: 550-128836-22

Date Collected: 08/29/19 09:00

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.22**	**E4**	2.0	0.18	ug/L			09/05/19 15:18	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 15:18	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 15:18	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 15:18	1
Trichloroethene	**2.4**		2.0	0.24	ug/L			09/05/19 15:18	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 15:18	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 15:18	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 15:18	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/05/19 15:18*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*09/05/19 15:18*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/05/19 15:18*	*1*

Client Sample ID: DUP-01-20190829

Lab Sample ID: 550-128836-23

Date Collected: 08/29/19 10:00

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 15:46	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 15:46	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 15:46	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 15:46	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 15:46	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 15:46	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 15:46	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 15:46	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 15:46	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 15:46	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 15:46	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 15:46	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 15:46	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 15:46	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 15:46	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 15:46	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 15:46	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 15:46	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 15:46	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 15:46	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 15:46	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 15:46	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 15:46	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 15:46	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 15:46	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 15:46	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 15:46	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 15:46	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 15:46	1

Client Sample ID: DUP-01-20190829

Lab Sample ID: 550-128836-23

Date Collected: 08/29/19 10:00

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 15:46	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 15:46	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 15:46	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 15:46	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 15:46	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 15:46	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 15:46	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 15:46	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/05/19 15:46	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 15:46	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 15:46	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 15:46	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 15:46	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 15:46	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 15:46	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 15:46	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 15:46	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 15:46	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 15:46	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 15:46	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 15:46	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 15:46	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 15:46	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 15:46	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 15:46	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 15:46	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 15:46	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 15:46	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 15:46	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 15:46	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/05/19 15:46	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 15:46	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 15:46	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 15:46	1
Trichloroethene	**1.9**	**E4**	2.0	0.24	ug/L			09/05/19 15:46	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 15:46	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 15:46	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 15:46	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*70 - 130*		*09/05/19 15:46*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/05/19 15:46*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/05/19 15:46*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 68-04-20190829

Lab Sample ID: 550-128836-24

Date Collected: 08/29/19 11:10

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 16:14	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 16:14	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 16:14	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 16:14	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 16:14	1
1,1-Dichloroethene	**0.88**	**E4**	5.0	0.23	ug/L			09/05/19 16:14	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 16:14	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 16:14	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 16:14	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 16:14	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 16:14	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 16:14	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 16:14	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 16:14	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 16:14	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 16:14	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 16:14	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 16:14	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 16:14	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 16:14	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 16:14	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 16:14	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 16:14	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 16:14	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 16:14	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 16:14	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 16:14	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 16:14	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 16:14	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 16:14	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 16:14	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 16:14	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 16:14	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 16:14	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 16:14	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 16:14	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 16:14	1
Chloroform	**0.48**	**E4**	2.0	0.13	ug/L			09/05/19 16:14	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 16:14	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 16:14	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 16:14	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 16:14	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 16:14	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 16:14	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 16:14	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 16:14	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 16:14	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 16:14	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 16:14	1

Client Sample ID: AVB 68-04-20190829

Lab Sample ID: 550-128836-24

Date Collected: 08/29/19 11:10

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 16:14	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 16:14	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 16:14	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 16:14	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 16:14	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 16:14	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 16:14	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 16:14	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 16:14	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 16:14	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/05/19 16:14	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 16:14	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 16:14	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 16:14	1
Trichloroethene	**2.6**		2.0	0.24	ug/L			09/05/19 16:14	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 16:14	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 16:14	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 16:14	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*09/05/19 16:14*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/05/19 16:14*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/05/19 16:14*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 550-128836-25

Date Collected: 08/26/19 08:00

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 16:42	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 16:42	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 16:42	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 16:42	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 16:42	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 16:42	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 16:42	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 16:42	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 16:42	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 16:42	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 16:42	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 16:42	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 16:42	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 16:42	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 16:42	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 16:42	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 16:42	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 16:42	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 16:42	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: Trip Blank

Lab Sample ID: 550-128836-25

Date Collected: 08/26/19 08:00
Date Received: 08/30/19 11:20

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 16:42	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 16:42	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 16:42	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 16:42	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 16:42	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 16:42	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 16:42	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 16:42	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 16:42	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 16:42	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 16:42	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 16:42	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 16:42	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 16:42	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 16:42	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 16:42	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 16:42	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 16:42	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/05/19 16:42	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 16:42	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 16:42	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 16:42	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 16:42	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 16:42	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 16:42	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 16:42	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 16:42	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 16:42	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 16:42	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 16:42	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 16:42	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 16:42	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 16:42	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 16:42	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 16:42	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 16:42	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 16:42	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 16:42	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 16:42	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 16:42	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/05/19 16:42	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 16:42	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 16:42	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 16:42	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/05/19 16:42	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 16:42	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 16:42	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 16:42	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 16:42	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: Trip Blank

Lab Sample ID: 550-128836-25
Matrix: Water

Date Collected: 08/26/19 08:00
Date Received: 08/30/19 11:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*70 - 130*		*09/05/19 16:42*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/05/19 16:42*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*09/05/19 16:42*	*1*

Client Sample ID: AVB 86-01-20190830

Lab Sample ID: 550-128836-26
Matrix: Water

Date Collected: 08/30/19 08:30
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 17:10	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 17:10	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 17:10	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 17:10	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 17:10	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 17:10	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 17:10	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 17:10	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 17:10	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 17:10	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 17:10	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 17:10	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 17:10	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 17:10	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 17:10	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 17:10	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 17:10	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 17:10	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 17:10	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 17:10	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 17:10	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 17:10	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 17:10	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 17:10	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 17:10	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 17:10	1
Acetone	ND	E8	20	7.3	ug/L			09/05/19 17:10	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 17:10	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 17:10	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 17:10	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 17:10	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 17:10	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 17:10	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 17:10	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 17:10	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 17:10	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 17:10	1
Chloroform	**0.39**	**E4**	2.0	0.13	ug/L			09/05/19 17:10	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 17:10	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 17:10	1

Client Sample ID: AVB 86-01-20190830

Lab Sample ID: 550-128836-26

Date Collected: 08/30/19 08:30

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 17:10	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 17:10	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 17:10	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 17:10	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 17:10	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/05/19 17:10	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 17:10	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 17:10	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 17:10	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 17:10	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 17:10	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 17:10	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 17:10	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 17:10	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 17:10	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 17:10	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 17:10	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 17:10	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 17:10	1
Tetrachloroethene	**0.26**	**E4**	2.0	0.18	ug/L			09/05/19 17:10	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 17:10	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 17:10	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 17:10	1
Trichloroethene	**0.71**	**E4**	2.0	0.24	ug/L			09/05/19 17:10	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 17:10	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 17:10	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 17:10	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/05/19 17:10*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*09/05/19 17:10*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*09/05/19 17:10*	*1*

Client Sample ID: AVB 87-01-20190830

Lab Sample ID: 550-128836-27

Date Collected: 08/30/19 09:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/12/19 19:34	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/12/19 19:34	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/12/19 19:34	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/12/19 19:34	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/12/19 19:34	1
1,1-Dichloroethene	**0.29**	**E4**	5.0	0.23	ug/L			09/12/19 19:34	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/12/19 19:34	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/12/19 19:34	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/12/19 19:34	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/12/19 19:34	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 87-01-20190830

Lab Sample ID: 550-128836-27

Date Collected: 08/30/19 09:40
Matrix: Water
Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/12/19 19:34	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/12/19 19:34	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/12/19 19:34	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/12/19 19:34	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/12/19 19:34	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/12/19 19:34	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/12/19 19:34	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/12/19 19:34	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/12/19 19:34	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/12/19 19:34	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/12/19 19:34	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/12/19 19:34	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/12/19 19:34	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/12/19 19:34	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/12/19 19:34	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/12/19 19:34	1
Acetone	ND	E8	20	7.3	ug/L			09/12/19 19:34	1
Benzene	ND	E8	2.0	0.12	ug/L			09/12/19 19:34	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/12/19 19:34	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/12/19 19:34	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/12/19 19:34	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/12/19 19:34	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/12/19 19:34	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/12/19 19:34	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/12/19 19:34	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/12/19 19:34	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/12/19 19:34	1
Chloroform	**2.1**		2.0	0.13	ug/L			09/12/19 19:34	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/12/19 19:34	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/12/19 19:34	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/12/19 19:34	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/12/19 19:34	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/12/19 19:34	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/12/19 19:34	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/12/19 19:34	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/12/19 19:34	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/12/19 19:34	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/12/19 19:34	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/12/19 19:34	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/12/19 19:34	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/12/19 19:34	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/12/19 19:34	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/12/19 19:34	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/12/19 19:34	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/12/19 19:34	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/12/19 19:34	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/12/19 19:34	1
Styrene	ND	E8	2.0	0.17	ug/L			09/12/19 19:34	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/12/19 19:34	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 87-01-20190830

Lab Sample ID: 550-128836-27

Date Collected: 08/30/19 09:40

Matrix: Water

Date Received: 08/30/19 11:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**5.4**		2.0	0.18	ug/L			09/12/19 19:34	1
Toluene	ND	E8	2.0	0.28	ug/L			09/12/19 19:34	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/12/19 19:34	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/12/19 19:34	1
Trichloroethene	**1.6**	**E4**	2.0	0.24	ug/L			09/12/19 19:34	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/12/19 19:34	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/12/19 19:34	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/12/19 19:34	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/12/19 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*09/12/19 19:34*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/12/19 19:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*09/12/19 19:34*	*1*

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DBFM (70-130)	TOL (70-130)	BFB (70-130)
550-128728-A-1 MS	Matrix Spike	97	95	90
550-128728-A-1 MSD	Matrix Spike Duplicate	103	97	103
550-128836-1	AVB 122-02-20190826	114	107	125
550-128836-1 MS	AVB 122-02-20190826	92	95	103
550-128836-1 MSD	AVB 122-02-20190826	92	90	103
550-128836-2	AVB 122-01-20190826	117	108	121
550-128836-3	AVB 121-01-20190827	115	107	121
550-128836-4	AVB 128-01-20190827	118	129	117
550-128836-5	AVB 117-01-20190827	121	128	116
550-128836-6	AVB 94-02-20190827	117	126	112
550-128836-7	AVB 130-01-20190827	120	111	114
550-128836-8	AVB 92-02-20190827	122	107	116
550-128836-9	AVB 125-01-20190828	118	106	119
550-128836-10	AVB 85-01-20190828	111	106	108
550-128836-10	AVB 85-01-20190828	121	123	112
550-128836-11	AVB 124-01-20190828	110	104	105
550-128836-11	AVB 124-01-20190828	119	127	115
550-128836-12	AVB 123-01-20190828	116	125	107
550-128836-13	AVB 116-01-20190828	100	100	99
550-128836-13 MS	AVB 116-01-20190828	82	85	81
550-128836-13 MSD	AVB 116-01-20190828	86	87	96
550-128836-14	AVB 134-01-20190828	106	101	102
550-128836-15	AVB 134-02-20190828	103	100	101
550-128836-16	AVB 72-01-20190828	104	101	103
550-128836-17	AVB 116-02-20190829	105	100	103
550-128836-18	AVB 132-01-20190829	112	105	107
550-128836-18	AVB 132-01-20190829	117	127	109
550-128836-18 MS	AVB 132-01-20190829	90	87	84
550-128836-18 MSD	AVB 132-01-20190829	90	87	84
550-128836-19	AVB 95-01-20190829	111	105	105
550-128836-19	AVB 95-01-20190829	115		109
550-128836-20	AVB 95-02-20190829	89	107	108
550-128836-20	AVB 95-02-20190829	116	125	107
550-128836-21	AVB 120-03-20190829	120	110	119
550-128836-22	AVB 96-02-20190829	119	108	117
550-128836-23	DUP-01-20190829	120	109	115
550-128836-24	AVB 68-04-20190829	113	105	117
550-128836-25	Trip Blank	120	107	120
550-128836-26	AVB 86-01-20190830	116	108	120
550-128836-27	AVB 87-01-20190830	97	96	100
550-128870-C-1 MS	Matrix Spike	105	103	103
550-128870-C-1 MSD	Matrix Spike Duplicate	104	103	103
550-128927-B-2 MS	Matrix Spike	110	108	99
550-128927-C-2 MSD	Matrix Spike Duplicate	111	106	112
LCS 550-188311/8	Lab Control Sample	98	96	93
LCS 550-188377/3	Lab Control Sample	84	87	84
LCS 550-188379/4	Lab Control Sample	89	87	82
LCS 550-188418/3	Lab Control Sample	100	94	89
LCS 550-188549/1003	Lab Control Sample	91	86	98

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	**Client Sample ID**	**DBFM (70-130)**	**TOL (70-130)**	**BFB (70-130)**
LCS 550-189412/3	Lab Control Sample	104	103	103
LCSD 550-188311/10	Lab Control Sample Dup	99	95	94
LCSD 550-188377/4	Lab Control Sample Dup	84	85	82
LCSD 550-188379/5	Lab Control Sample Dup	91	88	86
LCSD 550-188418/4	Lab Control Sample Dup	105	97	95
LCSD 550-188549/4	Lab Control Sample Dup	106	79	100
LCSD 550-189412/4	Lab Control Sample Dup	100	101	104
MB 550-188311/11	Method Blank	107	103	101
MB 550-188377/5	Method Blank	101	101	101
MB 550-188379/6	Method Blank	108	106	107
MB 550-188418/7	Method Blank	124	116	118
MB 550-188549/7	Method Blank	115	105	121
MB 550-189412/5	Method Blank	98	96	99

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-188311/11
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/03/19 12:43	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/03/19 12:43	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/03/19 12:43	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/03/19 12:43	1
1,1-Dichloroethane	ND		2.0		ug/L			09/03/19 12:43	1
1,1-Dichloroethene	ND		5.0		ug/L			09/03/19 12:43	1
1,1-Dichloropropene	ND		2.0		ug/L			09/03/19 12:43	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/03/19 12:43	1
1,2,3-Trichloropropane	ND		10		ug/L			09/03/19 12:43	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/03/19 12:43	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/03/19 12:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/03/19 12:43	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/03/19 12:43	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/03/19 12:43	1
1,2-Dichloroethane	ND		2.0		ug/L			09/03/19 12:43	1
1,2-Dichloropropane	ND		2.0		ug/L			09/03/19 12:43	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/03/19 12:43	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/03/19 12:43	1
1,3-Dichloropropane	ND		2.0		ug/L			09/03/19 12:43	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/03/19 12:43	1
2,2-Dichloropropane	ND		2.0		ug/L			09/03/19 12:43	1
2-Butanone (MEK)	ND		10		ug/L			09/03/19 12:43	1
2-Chlorotoluene	ND		5.0		ug/L			09/03/19 12:43	1
2-Hexanone	ND		10		ug/L			09/03/19 12:43	1
4-Chlorotoluene	ND		5.0		ug/L			09/03/19 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/03/19 12:43	1
Acetone	ND		20		ug/L			09/03/19 12:43	1
Benzene	ND		2.0		ug/L			09/03/19 12:43	1
Bromobenzene	ND		5.0		ug/L			09/03/19 12:43	1
Bromochloromethane	ND		5.0		ug/L			09/03/19 12:43	1
Bromodichloromethane	ND		2.0		ug/L			09/03/19 12:43	1
Bromoform	ND		5.0		ug/L			09/03/19 12:43	1
Bromomethane	ND		5.0		ug/L			09/03/19 12:43	1
Carbon disulfide	ND		5.0		ug/L			09/03/19 12:43	1
Carbon tetrachloride	ND		5.0		ug/L			09/03/19 12:43	1
Chlorobenzene	ND		2.0		ug/L			09/03/19 12:43	1
Chloroethane	ND		5.0		ug/L			09/03/19 12:43	1
Chloroform	ND		2.0		ug/L			09/03/19 12:43	1
Chloromethane	ND		5.0		ug/L			09/03/19 12:43	1
cis-1,2-Dichloroethene	ND		2.0		ug/L			09/03/19 12:43	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/03/19 12:43	1
Chlorodibromomethane	ND		2.0		ug/L			09/03/19 12:43	1
Dibromomethane	ND		2.0		ug/L			09/03/19 12:43	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/03/19 12:43	1
Ethylbenzene	ND		2.0		ug/L			09/03/19 12:43	1
Hexachlorobutadiene	ND		5.0		ug/L			09/03/19 12:43	1
Iodomethane	ND		2.0		ug/L			09/03/19 12:43	1
Isopropylbenzene	ND		2.0		ug/L			09/03/19 12:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-188311/11
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND		5.0		ug/L			09/03/19 12:43	1
Methylene Chloride	ND		5.0		ug/L			09/03/19 12:43	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/03/19 12:43	1
Naphthalene	ND		5.0		ug/L			09/03/19 12:43	1
n-Butylbenzene	ND		5.0		ug/L			09/03/19 12:43	1
n-Propylbenzene	ND		2.0		ug/L			09/03/19 12:43	1
o-Xylene	ND		5.0		ug/L			09/03/19 12:43	1
p-Isopropyltoluene	ND		2.0		ug/L			09/03/19 12:43	1
sec-Butylbenzene	ND		5.0		ug/L			09/03/19 12:43	1
Styrene	ND		2.0		ug/L			09/03/19 12:43	1
tert-Butylbenzene	ND		5.0		ug/L			09/03/19 12:43	1
Tetrachloroethene	ND		2.0		ug/L			09/03/19 12:43	1
Toluene	ND		2.0		ug/L			09/03/19 12:43	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			09/03/19 12:43	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/03/19 12:43	1
Trichloroethene	ND		2.0		ug/L			09/03/19 12:43	1
Trichlorofluoromethane	ND		5.0		ug/L			09/03/19 12:43	1
Vinyl acetate	ND		25		ug/L			09/03/19 12:43	1
Vinyl chloride	ND		5.0		ug/L			09/03/19 12:43	1
Xylenes, Total	ND		10		ug/L			09/03/19 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*09/03/19 12:43*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/03/19 12:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/03/19 12:43*	*1*

Lab Sample ID: LCS 550-188311/8
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 130
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	70 - 130
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	70 - 130
1,1-Dichloroethane	25.0	18.7		ug/L		75	70 - 130
1,1-Dichloroethene	25.0	18.9		ug/L		76	70 - 130
1,1-Dichloropropene	25.0	25.9		ug/L		103	70 - 130
1,2,3-Trichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,2,3-Trichloropropane	25.0	24.2		ug/L		97	70 - 130
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	25.0	25.7		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.7		ug/L		87	61 - 130
1,2-Dibromoethane (EDB)	25.0	23.7		ug/L		95	70 - 130
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,2-Dichloropropane	25.0	26.7		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188311/8
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	70 - 130
1,3-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	70 - 130
2,2-Dichloropropane	25.0	25.7		ug/L		103	70 - 130
2-Butanone (MEK)	25.0	27.4		ug/L		109	50 - 150
2-Chlorotoluene	25.0	25.9		ug/L		103	70 - 130
2-Hexanone	25.0	27.1		ug/L		108	52 - 138
4-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	25.1		ug/L		100	64 - 131
Acetone	25.0	22.7		ug/L		91	18 - 150
Benzene	25.0	25.3		ug/L		101	70 - 130
Bromobenzene	25.0	25.5		ug/L		102	70 - 130
Bromochloromethane	25.0	23.7		ug/L		95	70 - 130
Bromodichloromethane	25.0	26.5		ug/L		106	70 - 130
Bromoform	25.0	24.8		ug/L		99	70 - 130
Bromomethane	25.0	17.7		ug/L		71	62 - 136
Carbon disulfide	25.0	21.0		ug/L		84	70 - 130
Carbon tetrachloride	25.0	26.5		ug/L		106	70 - 130
Chlorobenzene	25.0	24.5		ug/L		98	70 - 130
Chloroethane	25.0	14.2	L4	ug/L		57	70 - 130
Chloroform	25.0	25.2		ug/L		101	80 - 120
Chloromethane	25.0	14.6	L4	ug/L		59	64 - 134
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	70 - 130
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	70 - 130
Chlorodibromomethane	25.0	24.3		ug/L		97	70 - 130
Dibromomethane	25.0	23.7		ug/L		95	70 - 130
Dichlorodifluoromethane	25.0	21.5		ug/L		86	29 - 150
Ethylbenzene	25.0	25.2		ug/L		101	80 - 120
Hexachlorobutadiene	25.0	25.2		ug/L		101	70 - 130
Iodomethane	25.0	21.4		ug/L		85	70 - 136
Isopropylbenzene	25.0	26.1		ug/L		105	70 - 130
m,p-Xylenes	25.0	25.5		ug/L		102	70 - 130
Methylene Chloride	25.0	18.4		ug/L		74	70 - 130
Methyl tert-butyl ether	25.0	13.2	L4	ug/L		53	70 - 132
Naphthalene	25.0	24.4		ug/L		97	70 - 130
n-Butylbenzene	25.0	26.4		ug/L		106	70 - 130
n-Propylbenzene	25.0	26.3		ug/L		105	70 - 130
o-Xylene	25.0	26.3		ug/L		105	70 - 130
p-Isopropyltoluene	25.0	25.9		ug/L		103	70 - 130
sec-Butylbenzene	25.0	26.1		ug/L		104	70 - 130
Styrene	25.0	26.2		ug/L		105	70 - 130
tert-Butylbenzene	25.0	25.8		ug/L		103	70 - 130
Tetrachloroethene	25.0	24.8		ug/L		99	70 - 130
Toluene	25.0	25.4		ug/L		102	80 - 120
trans-1,2-Dichloroethene	25.0	18.7		ug/L		75	70 - 130
trans-1,3-Dichloropropene	25.0	26.9		ug/L		108	70 - 130
Trichloroethene	25.0	25.6		ug/L		102	70 - 130
Trichlorofluoromethane	25.0	17.0	L4	ug/L		68	70 - 130
Vinyl acetate	25.0	20.7	E4	ug/L		83	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188311/8
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	28.3		ug/L		113	70 - 130
Xylenes, Total	50.0	51.8		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 550-188311/10
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.4		ug/L		101	70 - 130	2	20
1,1,1-Trichloroethane	25.0	25.2		ug/L		101	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	70 - 130	0	20
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	70 - 130	3	20
1,1-Dichloroethane	25.0	25.3	R6	ug/L		101	70 - 130	30	20
1,1-Dichloroethene	25.0	25.5	R6	ug/L		102	70 - 130	30	20
1,1-Dichloropropene	25.0	25.1		ug/L		101	70 - 130	3	20
1,2,3-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130	3	20
1,2,3-Trichloropropane	25.0	24.0		ug/L		96	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		98	70 - 130	5	20
1,2,4-Trimethylbenzene	25.0	24.8		ug/L		99	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	25.0	22.3		ug/L		89	61 - 130	3	21
1,2-Dibromoethane (EDB)	25.0	23.6		ug/L		94	70 - 130	1	20
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	70 - 130	2	20
1,2-Dichloroethane	25.0	25.7		ug/L		103	70 - 130	1	20
1,2-Dichloropropane	25.0	26.3		ug/L		105	70 - 130	2	20
1,3,5-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130	1	20
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130	2	20
1,3-Dichloropropane	25.0	24.6		ug/L		99	70 - 130	2	20
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130	4	20
2,2-Dichloropropane	25.0	25.4		ug/L		102	70 - 130	1	20
2-Butanone (MEK)	25.0	23.4		ug/L		94	50 - 150	16	34
2-Chlorotoluene	25.0	24.9		ug/L		99	70 - 130	4	20
2-Hexanone	25.0	24.7		ug/L		99	52 - 138	9	29
4-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	25.0	25.2		ug/L		101	64 - 131	0	23
Acetone	25.0	24.5		ug/L		98	18 - 150	7	35
Benzene	25.0	25.0		ug/L		100	70 - 130	1	20
Bromobenzene	25.0	25.0		ug/L		100	70 - 130	2	20
Bromochloromethane	25.0	23.5		ug/L		94	70 - 130	1	20
Bromodichloromethane	25.0	26.4		ug/L		105	70 - 130	1	20
Bromoform	25.0	24.7		ug/L		99	70 - 130	0	20
Bromomethane	25.0	23.1	R6	ug/L		92	62 - 136	26	20
Carbon disulfide	25.0	29.2	R6	ug/L		117	70 - 130	33	20
Carbon tetrachloride	25.0	25.8		ug/L		103	70 - 130	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188311/10
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	24.2		ug/L		97	70 - 130	1	20
Chloroethane	25.0	24.4	R6	ug/L		98	70 - 130	53	20
Chloroform	25.0	25.1		ug/L		101	80 - 120	0	20
Chloromethane	25.0	20.9	R6	ug/L		83	64 - 134	35	20
cis-1,2-Dichloroethene	25.0	25.9		ug/L		103	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	26.4		ug/L		105	70 - 130	2	20
Chlorodibromomethane	25.0	24.4		ug/L		97	70 - 130	0	20
Dibromomethane	25.0	23.5		ug/L		94	70 - 130	1	20
Dichlorodifluoromethane	25.0	24.8		ug/L		99	29 - 150	14	21
Ethylbenzene	25.0	24.6		ug/L		99	80 - 120	2	20
Hexachlorobutadiene	25.0	24.2		ug/L		97	70 - 130	4	20
Iodomethane	25.0	27.2	R6	ug/L		109	70 - 136	24	20
Isopropylbenzene	25.0	25.2		ug/L		101	70 - 130	4	20
m,p-Xylenes	25.0	24.6		ug/L		99	70 - 130	3	20
Methylene Chloride	25.0	24.7	R6	ug/L		99	70 - 130	29	20
Methyl tert-butyl ether	25.0	17.6	R6	ug/L		70	70 - 132	29	20
Naphthalene	25.0	23.9		ug/L		95	70 - 130	2	20
n-Butylbenzene	25.0	25.3		ug/L		101	70 - 130	4	20
n-Propylbenzene	25.0	25.3		ug/L		101	70 - 130	4	20
o-Xylene	25.0	25.1		ug/L		100	70 - 130	5	20
p-Isopropyltoluene	25.0	25.2		ug/L		101	70 - 130	3	20
sec-Butylbenzene	25.0	25.2		ug/L		101	70 - 130	4	20
Styrene	25.0	25.1		ug/L		101	70 - 130	4	20
tert-Butylbenzene	25.0	24.7		ug/L		99	70 - 130	4	20
Tetrachloroethene	25.0	24.2		ug/L		97	70 - 130	2	20
Toluene	25.0	24.7		ug/L		99	80 - 120	3	20
trans-1,2-Dichloroethene	25.0	24.1	R6	ug/L		97	70 - 130	26	20
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	70 - 130	2	20
Trichloroethene	25.0	24.6		ug/L		99	70 - 130	4	20
Trichlorofluoromethane	25.0	23.7	R6	ug/L		95	70 - 130	33	20
Vinyl acetate	25.0	26.6	R6	ug/L		106	63 - 147	25	20
Vinyl chloride	25.0	18.8	R6	ug/L		75	70 - 130	40	20
Xylenes, Total	50.0	49.7		ug/L		99	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 550-128728-A-1 MS
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		25.0	24.7		ug/L		99	67 - 137
1,1,1-Trichloroethane	ND		25.0	25.4		ug/L		102	64 - 143
1,1,2,2-Tetrachloroethane	ND	M1	25.0	25.0		ug/L		100	63 - 136
1,1,2-Trichloroethane	ND		25.0	25.0		ug/L		100	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128728-A-1 MS
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND	R6	25.0	25.4		ug/L		102	70 - 137
1,1-Dichloroethene	ND	R6	25.0	25.7		ug/L		103	53 - 150
1,1-Dichloropropene	ND		25.0	25.7		ug/L		103	58 - 141
1,2,3-Trichlorobenzene	ND	R4	25.0	25.6		ug/L		102	57 - 144
1,2,3-Trichloropropane	ND	M1 R13	25.0	24.9		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	ND	R4	25.0	25.5		ug/L		102	58 - 140
1,2,4-Trimethylbenzene	ND		25.0	26.1		ug/L		99	50 - 147
1,2-Dibromo-3-Chloropropane	ND		25.0	26.2		ug/L		105	51 - 143
1,2-Dibromoethane (EDB)	ND		25.0	24.2		ug/L		97	67 - 136
1,2-Dichlorobenzene	ND		25.0	24.4		ug/L		98	67 - 131
1,2-Dichloroethane	ND		25.0	25.8		ug/L		103	58 - 146
1,2-Dichloropropane	ND		25.0	26.2		ug/L		105	66 - 135
1,3,5-Trimethylbenzene	ND		25.0	25.0		ug/L		98	50 - 147
1,3-Dichlorobenzene	ND		25.0	24.0		ug/L		96	68 - 130
1,3-Dichloropropane	ND		25.0	25.1		ug/L		100	67 - 134
1,4-Dichlorobenzene	ND		25.0	23.8		ug/L		95	68 - 128
2,2-Dichloropropane	ND		25.0	26.0		ug/L		104	54 - 150
2-Butanone (MEK)	ND		25.0	28.3		ug/L		113	10 - 150
2-Chlorotoluene	ND		25.0	25.0		ug/L		100	63 - 132
2-Hexanone	ND		25.0	26.2		ug/L		105	37 - 150
4-Chlorotoluene	ND		25.0	24.7		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	ND		25.0	27.6		ug/L		110	41 - 150
Acetone	110	V1	25.0	131	M3	ug/L		68	10 - 150
Benzene	ND		25.0	25.1		ug/L		100	54 - 142
Bromobenzene	ND		25.0	24.6		ug/L		98	69 - 132
Bromochloromethane	ND		25.0	23.4		ug/L		93	67 - 145
Bromodichloromethane	ND		25.0	27.1		ug/L		106	61 - 143
Bromoform	ND	M1 R13	25.0	26.2		ug/L		105	57 - 142
Bromomethane	ND	R6	25.0	24.5		ug/L		98	56 - 149
Carbon disulfide	ND	R6	25.0	29.7		ug/L		119	48 - 150
Carbon tetrachloride	ND		25.0	26.7		ug/L		107	60 - 143
Chlorobenzene	ND		25.0	24.2		ug/L		97	69 - 129
Chloroform	2.2		25.0	26.8		ug/L		98	69 - 138
cis-1,2-Dichloroethene	ND		25.0	25.9		ug/L		104	65 - 139
cis-1,3-Dichloropropene	ND		25.0	26.0		ug/L		104	57 - 145
Chlorodibromomethane	ND		25.0	25.0		ug/L		100	61 - 143
Dibromomethane	ND		25.0	24.3		ug/L		97	64 - 138
Dichlorodifluoromethane	ND	M1 R13	25.0	25.8		ug/L		103	21 - 150
Ethylbenzene	ND		25.0	25.1		ug/L		100	46 - 149
Hexachlorobutadiene	ND	M2 R13	25.0	24.2		ug/L		97	49 - 146
Iodomethane	ND	R6	25.0	26.5		ug/L		106	43 - 150
Isopropylbenzene	ND		25.0	25.2		ug/L		101	56 - 143
m,p-Xylenes	ND		25.0	25.1		ug/L		97	52 - 144
Methylene Chloride	ND	R6	25.0	24.9		ug/L		100	66 - 134
Naphthalene	ND		25.0	26.7		ug/L		107	47 - 150
n-Butylbenzene	ND	M2 R13	25.0	25.8		ug/L		103	54 - 145
n-Propylbenzene	ND		25.0	25.7		ug/L		102	54 - 144
o-Xylene	ND		25.0	25.5		ug/L		102	55 - 143
p-Isopropyltoluene	ND	R4	25.0	25.6		ug/L		101	53 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128728-A-1 MS
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND	R4	25.0	25.1		ug/L		101	55 - 145
Styrene	ND		25.0	25.1		ug/L		100	21 - 150
tert-Butylbenzene	ND		25.0	24.8		ug/L		99	57 - 143
Tetrachloroethene	ND		25.0	24.8		ug/L		99	37 - 150
Toluene	ND		25.0	25.4		ug/L		98	56 - 141
trans-1,2-Dichloroethene	ND	R6	25.0	24.2		ug/L		97	69 - 136
trans-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	57 - 147
Trichloroethene	ND		25.0	25.1		ug/L		100	62 - 134
Vinyl acetate	ND	R6	25.0	27.4		ug/L		110	14 - 150
Vinyl chloride	ND	R6	25.0	27.0		ug/L		108	48 - 150
Xylenes, Total	ND		50.0	50.6		ug/L		101	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 550-128728-A-1 MSD
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		25.0	26.6	N1	ug/L		106	67 - 137	8	35
1,1,1-Trichloroethane	ND		25.0	25.2	N1	ug/L		101	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND	M1	25.0	34.3	M1 N1	ug/L		137	63 - 136	31	35
1,1,2-Trichloroethane	ND		25.0	28.3	N1	ug/L		113	66 - 137	12	35
1,1-Dichloroethane	ND	R6	25.0	24.1	N1	ug/L		96	70 - 137	5	35
1,1-Dichloroethene	ND	R6	25.0	25.5	N1	ug/L		102	53 - 150	1	35
1,1-Dichloropropene	ND		25.0	24.6	N1	ug/L		99	58 - 141	4	35
1,2,3-Trichlorobenzene	ND	R4	25.0	16.2	N1 R4	ug/L		65	57 - 144	45	35
1,2,3-Trichloropropane	ND	M1 R13	25.0	37.2	M1 N1 R13	ug/L		149	60 - 138	40	35
1,2,4-Trichlorobenzene	ND	R4	25.0	15.9	N1 R4	ug/L		64	58 - 140	46	35
1,2,4-Trimethylbenzene	ND		25.0	23.9	N1	ug/L		90	50 - 147	9	35
1,2-Dibromo-3-Chloropropane	ND		25.0	33.9	N1	ug/L		136	51 - 143	26	35
1,2-Dibromoethane (EDB)	ND		25.0	27.8	N1	ug/L		111	67 - 136	14	35
1,2-Dichlorobenzene	ND		25.0	25.6	N1	ug/L		102	67 - 131	5	35
1,2-Dichloroethane	ND		25.0	26.3	N1	ug/L		105	58 - 146	2	35
1,2-Dichloropropane	ND		25.0	25.5	N1	ug/L		102	66 - 135	3	35
1,3,5-Trimethylbenzene	ND		25.0	21.5	N1	ug/L		84	50 - 147	15	35
1,3-Dichlorobenzene	ND		25.0	23.8	N1	ug/L		95	68 - 130	0	35
1,3-Dichloropropane	ND		25.0	27.2	N1	ug/L		109	67 - 134	8	35
1,4-Dichlorobenzene	ND		25.0	24.3	N1	ug/L		97	68 - 128	2	35
2,2-Dichloropropane	ND		25.0	24.0	N1	ug/L		96	54 - 150	8	35
2-Butanone (MEK)	ND		25.0	33.6	N1	ug/L		134	10 - 150	17	35
2-Chlorotoluene	ND		25.0	24.2	N1	ug/L		97	63 - 132	3	35
2-Hexanone	ND		25.0	31.4	N1	ug/L		126	37 - 150	18	35
4-Chlorotoluene	ND		25.0	24.5	N1	ug/L		98	66 - 131	1	35
4-Methyl-2-pentanone (MIBK)	ND		25.0	31.2	N1	ug/L		125	41 - 150	12	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128728-A-1 MSD
Matrix: Water
Analysis Batch: 188311

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	110	V1	25.0	149	M3 N1	ug/L		142	10 - 150	13	35
Benzene	ND		25.0	25.5	N1	ug/L		102	54 - 142	2	35
Bromobenzene	ND		25.0	31.0	N1	ug/L		124	69 - 132	23	35
Bromochloromethane	ND		25.0	26.0	N1	ug/L		104	67 - 145	11	35
Bromodichloromethane	ND		25.0	27.3	N1	ug/L		106	61 - 143	0	35
Bromoform	ND	M1 R13	25.0	39.5	M1 N1 R13	ug/L		158	57 - 142	41	35
Bromomethane	ND	R6	25.0	23.4	N1	ug/L		94	56 - 149	4	35
Carbon disulfide	ND	R6	25.0	29.0	N1	ug/L		116	48 - 150	3	35
Carbon tetrachloride	ND		25.0	26.3	N1	ug/L		105	60 - 143	2	35
Chlorobenzene	ND		25.0	24.3	N1	ug/L		97	69 - 129	0	35
Chloroform	2.2		25.0	26.5	N1	ug/L		97	69 - 138	1	35
cis-1,2-Dichloroethene	ND		25.0	27.6	N1	ug/L		111	65 - 139	6	35
cis-1,3-Dichloropropene	ND		25.0	26.9	N1	ug/L		107	57 - 145	3	35
Chlorodibromomethane	ND		25.0	28.5	N1	ug/L		114	61 - 143	13	35
Dibromomethane	ND		25.0	25.7	N1	ug/L		103	64 - 138	6	35
Dichlorodifluoromethane	ND	M1 R13	25.0	40.1	M1 N1 R13	ug/L		160	21 - 150	43	35
Ethylbenzene	ND		25.0	22.8	N1	ug/L		91	46 - 149	10	35
Hexachlorobutadiene	ND	M2 R13	25.0	6.81	M2 N1 R13	ug/L		27	49 - 146	112	35
Iodomethane	ND	R6	25.0	29.9	N1	ug/L		120	43 - 150	12	35
Isopropylbenzene	ND		25.0	24.2	N1	ug/L		97	56 - 143	4	35
m,p-Xylenes	ND		25.0	28.8	N1	ug/L		112	52 - 144	14	35
Methylene Chloride	ND	R6	25.0	25.3	N1	ug/L		101	66 - 134	1	35
Naphthalene	ND		25.0	27.8	N1	ug/L		111	47 - 150	4	35
n-Butylbenzene	ND	M2 R13	25.0	12.7	M2 N1 R13	ug/L		51	54 - 145	68	35
n-Propylbenzene	ND		25.0	22.1	N1	ug/L		87	54 - 144	15	35
o-Xylene	ND		25.0	29.4	N1	ug/L		118	55 - 143	14	35
p-Isopropyltoluene	ND	R4	25.0	16.7	N1 R4	ug/L		66	53 - 147	42	35
sec-Butylbenzene	ND	R4	25.0	15.8	N1 R4	ug/L		63	55 - 145	46	35
Styrene	ND		25.0	30.1	N1	ug/L		120	21 - 150	18	35
tert-Butylbenzene	ND		25.0	19.1	N1	ug/L		77	57 - 143	26	35
Tetrachloroethene	ND		25.0	23.9	N1	ug/L		96	37 - 150	4	35
Toluene	ND		25.0	25.7	N1	ug/L		100	56 - 141	1	35
trans-1,2-Dichloroethene	ND	R6	25.0	24.6	N1	ug/L		99	69 - 136	2	35
trans-1,3-Dichloropropene	ND		25.0	27.6	N1	ug/L		110	57 - 147	4	35
Trichloroethene	ND		25.0	25.5	N1	ug/L		102	62 - 134	2	35
Vinyl acetate	ND	R6	25.0	32.2	N1	ug/L		129	14 - 150	16	35
Vinyl chloride	ND	R6	25.0	31.0	N1	ug/L		124	48 - 150	14	35
Xylenes, Total	ND		50.0	58.2		ug/L		116	53 - 145	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-188377/5
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 02:35	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 02:35	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 02:35	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 02:35	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/04/19 02:35	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/04/19 02:35	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/04/19 02:35	1
1,2,3-Trichlorobenzene	0.453	E4	5.0	0.45	ug/L			09/04/19 02:35	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 02:35	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 02:35	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 02:35	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 02:35	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 02:35	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 02:35	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 02:35	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 02:35	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 02:35	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 02:35	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 02:35	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 02:35	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 02:35	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 02:35	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 02:35	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 02:35	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 02:35	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 02:35	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 02:35	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 02:35	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 02:35	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 02:35	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 02:35	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 02:35	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 02:35	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 02:35	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 02:35	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 02:35	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 02:35	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/04/19 02:35	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 02:35	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/04/19 02:35	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 02:35	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 02:35	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 02:35	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 02:35	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 02:35	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 02:35	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 02:35	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 02:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-188377/5
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 02:35	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 02:35	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 02:35	1
Naphthalene	0.865	E4	5.0	0.51	ug/L			09/04/19 02:35	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 02:35	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 02:35	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 02:35	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 02:35	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 02:35	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 02:35	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 02:35	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/04/19 02:35	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 02:35	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 02:35	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 02:35	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/04/19 02:35	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 02:35	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 02:35	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 02:35	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 02:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*09/04/19 02:35*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/04/19 02:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/04/19 02:35*	*1*

Lab Sample ID: LCS 550-188377/3
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 130
1,1,1-Trichloroethane	25.0	23.3		ug/L		93	70 - 130
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 130
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	70 - 130
1,1-Dichloroethane	25.0	23.5		ug/L		94	70 - 130
1,1-Dichloroethene	25.0	23.7		ug/L		95	70 - 130
1,1-Dichloropropene	25.0	23.9		ug/L		96	70 - 130
1,2,3-Trichlorobenzene	25.0	22.7		ug/L		91	70 - 130
1,2,3-Trichloropropane	25.0	23.4		ug/L		94	70 - 130
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	70 - 130
1,2,4-Trimethylbenzene	25.0	23.9		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.8		ug/L		99	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.0		ug/L		96	70 - 130
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	70 - 130
1,2-Dichloroethane	25.0	23.6		ug/L		95	70 - 130
1,2-Dichloropropane	25.0	23.8		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	25.0	23.5		ug/L		94	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188377/3
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,3-Dichloropropane	25.0	23.5		ug/L		94	70 - 130
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	70 - 130
2,2-Dichloropropane	25.0	26.0		ug/L		104	70 - 130
2-Butanone (MEK)	25.0	24.7		ug/L		99	50 - 150
2-Chlorotoluene	25.0	22.9		ug/L		92	70 - 130
2-Hexanone	25.0	25.9		ug/L		103	52 - 138
4-Chlorotoluene	25.0	23.2		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	26.7		ug/L		107	64 - 131
Acetone	25.0	25.5		ug/L		102	18 - 150
Benzene	25.0	23.8		ug/L		95	70 - 130
Bromobenzene	25.0	22.9		ug/L		92	70 - 130
Bromochloromethane	25.0	24.3		ug/L		97	70 - 130
Bromodichloromethane	25.0	23.3		ug/L		93	70 - 130
Bromoform	25.0	22.7		ug/L		91	70 - 130
Bromomethane	25.0	24.2		ug/L		97	62 - 136
Carbon disulfide	25.0	25.3		ug/L		101	70 - 130
Carbon tetrachloride	25.0	23.8		ug/L		95	70 - 130
Chlorobenzene	25.0	22.9		ug/L		92	70 - 130
Chloroethane	25.0	24.6		ug/L		98	70 - 130
Chloroform	25.0	22.9		ug/L		92	80 - 120
Chloromethane	25.0	25.6		ug/L		102	64 - 134
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	70 - 130
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	70 - 130
Chlorodibromomethane	25.0	23.5		ug/L		94	70 - 130
Dibromomethane	25.0	24.6		ug/L		98	70 - 130
Dichlorodifluoromethane	25.0	25.3		ug/L		101	29 - 150
Ethylbenzene	25.0	23.5		ug/L		94	80 - 120
Hexachlorobutadiene	25.0	21.5		ug/L		86	70 - 130
Iodomethane	25.0	25.6		ug/L		102	70 - 136
Isopropylbenzene	25.0	23.4		ug/L		94	70 - 130
m,p-Xylenes	25.0	23.1		ug/L		92	70 - 130
Methylene Chloride	25.0	23.9		ug/L		95	70 - 130
Methyl tert-butyl ether	25.0	22.9		ug/L		91	70 - 132
Naphthalene	25.0	25.6		ug/L		102	70 - 130
n-Butylbenzene	25.0	24.3		ug/L		97	70 - 130
n-Propylbenzene	25.0	23.7		ug/L		95	70 - 130
o-Xylene	25.0	23.1		ug/L		92	70 - 130
p-Isopropyltoluene	25.0	24.5		ug/L		98	70 - 130
sec-Butylbenzene	25.0	24.0		ug/L		96	70 - 130
Styrene	25.0	23.6		ug/L		94	70 - 130
tert-Butylbenzene	25.0	23.6		ug/L		94	70 - 130
Tetrachloroethene	25.0	23.4		ug/L		94	70 - 130
Toluene	25.0	24.0		ug/L		96	80 - 120
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	70 - 130
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	70 - 130
Trichloroethene	25.0	22.8		ug/L		91	70 - 130
Trichlorofluoromethane	25.0	24.9		ug/L		99	70 - 130
Vinyl acetate	25.0	24.3	E4	ug/L		97	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188377/3
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	26.7		ug/L		107	70 - 130
Xylenes, Total	50.0	46.2		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*84*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: LCSD 550-188377/4
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.0		ug/L		92	70 - 130	3	20
1,1,1-Trichloroethane	25.0	23.1		ug/L		93	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	70 - 130	1	20
1,1,2-Trichloroethane	25.0	22.6		ug/L		90	70 - 130	6	20
1,1-Dichloroethane	25.0	23.9		ug/L		95	70 - 130	1	20
1,1-Dichloroethene	25.0	23.7		ug/L		95	70 - 130	0	20
1,1-Dichloropropene	25.0	23.7		ug/L		95	70 - 130	1	20
1,2,3-Trichlorobenzene	25.0	21.9		ug/L		88	70 - 130	3	20
1,2,3-Trichloropropane	25.0	23.4		ug/L		93	70 - 130	0	20
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		96	70 - 130	1	20
1,2,4-Trimethylbenzene	25.0	23.8		ug/L		95	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	61 - 130	1	21
1,2-Dibromoethane (EDB)	25.0	23.2		ug/L		93	70 - 130	3	20
1,2-Dichlorobenzene	25.0	22.9		ug/L		92	70 - 130	1	20
1,2-Dichloroethane	25.0	23.2		ug/L		93	70 - 130	2	20
1,2-Dichloropropane	25.0	23.1		ug/L		92	70 - 130	3	20
1,3,5-Trimethylbenzene	25.0	23.4		ug/L		93	70 - 130	0	20
1,3-Dichlorobenzene	25.0	22.5		ug/L		90	70 - 130	2	20
1,3-Dichloropropane	25.0	22.9		ug/L		92	70 - 130	3	20
1,4-Dichlorobenzene	25.0	22.6		ug/L		91	70 - 130	1	20
2,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130	3	20
2-Butanone (MEK)	25.0	24.5		ug/L		98	50 - 150	1	34
2-Chlorotoluene	25.0	23.1		ug/L		92	70 - 130	1	20
2-Hexanone	25.0	25.8		ug/L		103	52 - 138	0	29
4-Chlorotoluene	25.0	23.4		ug/L		93	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	25.0	25.8		ug/L		103	64 - 131	3	23
Acetone	25.0	23.5		ug/L		94	18 - 150	8	35
Benzene	25.0	23.2		ug/L		93	70 - 130	3	20
Bromobenzene	25.0	23.0		ug/L		92	70 - 130	0	20
Bromochloromethane	25.0	23.2		ug/L		93	70 - 130	5	20
Bromodichloromethane	25.0	22.7		ug/L		91	70 - 130	3	20
Bromoform	25.0	22.9		ug/L		91	70 - 130	1	20
Bromomethane	25.0	24.2		ug/L		97	62 - 136	0	20
Carbon disulfide	25.0	24.5		ug/L		98	70 - 130	3	20
Carbon tetrachloride	25.0	23.7		ug/L		95	70 - 130	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188377/4
Matrix: Water
Analysis Batch: 188377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	22.4		ug/L		90	70 - 130	2	20
Chloroethane	25.0	25.9		ug/L		103	70 - 130	5	20
Chloroform	25.0	22.3		ug/L		89	80 - 120	3	20
Chloromethane	25.0	24.4		ug/L		97	64 - 134	5	20
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	70 - 130	4	20
Chlorodibromomethane	25.0	22.5		ug/L		90	70 - 130	4	20
Dibromomethane	25.0	23.6		ug/L		94	70 - 130	4	20
Dichlorodifluoromethane	25.0	24.7		ug/L		99	29 - 150	2	21
Ethylbenzene	25.0	23.2		ug/L		93	80 - 120	1	20
Hexachlorobutadiene	25.0	21.3		ug/L		85	70 - 130	1	20
Iodomethane	25.0	25.7		ug/L		103	70 - 136	1	20
Isopropylbenzene	25.0	23.6		ug/L		95	70 - 130	1	20
m,p-Xylenes	25.0	23.4		ug/L		94	70 - 130	2	20
Methylene Chloride	25.0	23.2		ug/L		93	70 - 130	3	20
Methyl tert-butyl ether	25.0	22.1		ug/L		88	70 - 132	4	20
Naphthalene	25.0	25.3		ug/L		101	70 - 130	1	20
n-Butylbenzene	25.0	24.2		ug/L		97	70 - 130	0	20
n-Propylbenzene	25.0	23.8		ug/L		95	70 - 130	0	20
o-Xylene	25.0	23.3		ug/L		93	70 - 130	1	20
p-Isopropyltoluene	25.0	24.3		ug/L		97	70 - 130	1	20
sec-Butylbenzene	25.0	23.9		ug/L		96	70 - 130	0	20
Styrene	25.0	23.7		ug/L		95	70 - 130	0	20
tert-Butylbenzene	25.0	23.9		ug/L		95	70 - 130	1	20
Tetrachloroethene	25.0	23.4		ug/L		94	70 - 130	0	20
Toluene	25.0	23.5		ug/L		94	80 - 120	2	20
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	70 - 130	0	20
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	70 - 130	6	20
Trichloroethene	25.0	22.1		ug/L		88	70 - 130	3	20
Trichlorofluoromethane	25.0	24.2		ug/L		97	70 - 130	3	20
Vinyl acetate	25.0	24.4	E4	ug/L		98	63 - 147	1	20
Vinyl chloride	25.0	26.0		ug/L		104	70 - 130	2	20
Xylenes, Total	50.0	46.7		ug/L		93	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*84*		*70 - 130*
Toluene-d8 (Surr)	*85*		*70 - 130*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: 550-128836-13 MS
Matrix: Water
Analysis Batch: 188377

Client Sample ID: AVB 116-01-20190828
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	23.0		ug/L		92	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	22.6		ug/L		90	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8 R4	25.0	22.2		ug/L		89	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	22.7		ug/L		91	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-13 MS
Matrix: Water
Analysis Batch: 188377

Client Sample ID: AVB 116-01-20190828
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.27	E4	25.0	23.7		ug/L		94	70 - 137
1,1-Dichloroethene	0.52	E4	25.0	23.5		ug/L		92	53 - 150
1,1-Dichloropropene	ND	E8	25.0	22.8		ug/L		91	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	21.9		ug/L		87	57 - 144
1,2,3-Trichloropropane	ND	E8 R4	25.0	22.3		ug/L		89	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	23.0		ug/L		92	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	22.8		ug/L		91	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8 R4	25.0	24.7		ug/L		99	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	22.8		ug/L		91	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	22.3		ug/L		89	67 - 131
1,2-Dichloroethane	ND	E8	25.0	22.9		ug/L		92	58 - 146
1,2-Dichloropropane	ND	E8	25.0	22.8		ug/L		91	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	22.6		ug/L		90	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	21.8		ug/L		87	68 - 130
1,3-Dichloropropane	ND	E8	25.0	22.5		ug/L		90	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	21.6		ug/L		86	68 - 128
2,2-Dichloropropane	ND	E8	25.0	24.1		ug/L		96	54 - 150
2-Butanone (MEK)	ND	E8	25.0	19.8		ug/L		79	10 - 150
2-Chlorotoluene	ND	E8	25.0	22.3		ug/L		89	63 - 132
2-Hexanone	ND	E8	25.0	22.9		ug/L		92	37 - 150
4-Chlorotoluene	ND	E8	25.0	22.3		ug/L		89	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	24.4		ug/L		97	41 - 150
Acetone	ND	E8	25.0	20.0		ug/L		80	10 - 150
Benzene	ND	E8	25.0	22.8		ug/L		91	54 - 142
Bromobenzene	ND	E8	25.0	22.0		ug/L		88	69 - 132
Bromochloromethane	ND	E8	25.0	23.2		ug/L		93	67 - 145
Bromodichloromethane	ND	E8	25.0	22.7		ug/L		91	61 - 143
Bromoform	ND	E8 R4	25.0	22.0		ug/L		88	57 - 142
Bromomethane	ND	E8	25.0	22.5		ug/L		90	56 - 149
Carbon disulfide	ND	E8	25.0	24.4		ug/L		98	48 - 150
Carbon tetrachloride	ND	E8	25.0	23.2		ug/L		93	60 - 143
Chlorobenzene	ND	E8	25.0	21.9		ug/L		88	69 - 129
Chloroethane	ND	E8	25.0	23.7		ug/L		95	60 - 146
Chloroform	1.2	E4	25.0	23.0		ug/L		87	69 - 138
Chloromethane	ND	E8	25.0	24.7		ug/L		99	50 - 150
cis-1,2-Dichloroethene	0.29	E4	25.0	23.2		ug/L		92	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	22.8		ug/L		91	57 - 145
Chlorodibromomethane	ND	E8	25.0	22.7		ug/L		91	61 - 143
Dibromomethane	ND	E8	25.0	23.3		ug/L		93	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	24.5		ug/L		98	21 - 150
Ethylbenzene	ND	E8	25.0	22.6		ug/L		90	46 - 149
Hexachlorobutadiene	ND	E8 M2 R13	25.0	20.6		ug/L		82	49 - 146
Iodomethane	ND	E8	25.0	24.5		ug/L		98	43 - 150
Isopropylbenzene	ND	E8	25.0	22.7		ug/L		91	56 - 143
m,p-Xylenes	ND	E8	25.0	22.5		ug/L		90	52 - 144
Methylene Chloride	ND	E8	25.0	22.7		ug/L		91	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	21.4		ug/L		86	56 - 148
Naphthalene	ND	E8	25.0	24.5		ug/L		98	47 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-13 MS
Matrix: Water
Analysis Batch: 188377

Client Sample ID: AVB 116-01-20190828
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Butylbenzene	ND	E8 R4	25.0	22.7		ug/L		91	54 - 145
n-Propylbenzene	ND	E8	25.0	22.7		ug/L		91	54 - 144
o-Xylene	ND	E8	25.0	22.6		ug/L		90	55 - 143
p-Isopropyltoluene	ND	E8	25.0	23.0		ug/L		92	53 - 147
sec-Butylbenzene	ND	E8	25.0	23.0		ug/L		92	55 - 145
Styrene	ND	E8	25.0	22.7		ug/L		91	21 - 150
tert-Butylbenzene	ND	E8	25.0	22.9		ug/L		91	57 - 143
Tetrachloroethene	0.49	E4	25.0	22.5		ug/L		88	37 - 150
Toluene	ND	E8	25.0	23.0		ug/L		92	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	23.1		ug/L		92	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	23.7		ug/L		95	57 - 147
Trichloroethene	1.5	E4	25.0	22.6		ug/L		84	62 - 134
Trichlorofluoromethane	ND	E8	25.0	24.3		ug/L		97	60 - 150
Vinyl acetate	ND	E8	25.0	23.6	E4	ug/L		94	14 - 150
Vinyl chloride	ND	E8	25.0	26.1		ug/L		105	48 - 150
Xylenes, Total	ND	E8	50.0	45.1		ug/L		90	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*82*		*70 - 130*
Toluene-d8 (Surr)	*85*		*70 - 130*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 550-128836-13 MSD
Matrix: Water
Analysis Batch: 188377

Client Sample ID: AVB 116-01-20190828
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	25.1		ug/L		100	67 - 137	9	35
1,1,1-Trichloroethane	ND	E8	25.0	23.1		ug/L		92	64 - 143	2	35
1,1,2,2-Tetrachloroethane	ND	E8 R4	25.0	32.0	R4	ug/L		128	63 - 136	36	35
1,1,2-Trichloroethane	ND	E8	25.0	26.6		ug/L		106	66 - 137	16	35
1,1-Dichloroethane	0.27	E4	25.0	24.5		ug/L		97	70 - 137	4	35
1,1-Dichloroethene	0.52	E4	25.0	24.4		ug/L		95	53 - 150	4	35
1,1-Dichloropropene	ND	E8	25.0	24.7		ug/L		99	58 - 141	8	35
1,2,3-Trichlorobenzene	ND	E8	25.0	21.1		ug/L		84	57 - 144	4	35
1,2,3-Trichloropropane	ND	E8 R4	25.0	32.0	R4	ug/L		128	60 - 138	36	35
1,2,4-Trichlorobenzene	ND	E8	25.0	20.5		ug/L		82	58 - 140	11	35
1,2,4-Trimethylbenzene	ND	E8	25.0	21.8		ug/L		87	50 - 147	5	35
1,2-Dibromo-3-Chloropropane	ND	E8 R4	25.0	35.7	R4	ug/L		143	51 - 143	37	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	26.0		ug/L		104	67 - 136	13	35
1,2-Dichlorobenzene	ND	E8	25.0	24.8		ug/L		99	67 - 131	11	35
1,2-Dichloroethane	ND	E8	25.0	26.6		ug/L		107	58 - 146	15	35
1,2-Dichloropropane	ND	E8	25.0	25.6		ug/L		102	66 - 135	11	35
1,3,5-Trimethylbenzene	ND	E8	25.0	21.3		ug/L		85	50 - 147	6	35
1,3-Dichlorobenzene	ND	E8	25.0	22.7		ug/L		91	68 - 130	4	35
1,3-Dichloropropane	ND	E8	25.0	25.8		ug/L		103	67 - 134	14	35
1,4-Dichlorobenzene	ND	E8	25.0	21.9		ug/L		88	68 - 128	1	35
2,2-Dichloropropane	ND	E8	25.0	24.8		ug/L		99	54 - 150	3	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-13 MSD
Matrix: Water
Analysis Batch: 188377

Client Sample ID: AVB 116-01-20190828
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	ND	E8	25.0	23.4		ug/L		94	10 - 150	17	35
2-Chlorotoluene	ND	E8	25.0	22.7		ug/L		91	63 - 132	2	35
2-Hexanone	ND	E8	25.0	27.9		ug/L		112	37 - 150	20	35
4-Chlorotoluene	ND	E8	25.0	22.3		ug/L		89	66 - 131	0	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	28.8		ug/L		115	41 - 150	17	35
Acetone	ND	E8	25.0	21.7		ug/L		87	10 - 150	8	35
Benzene	ND	E8	25.0	25.2		ug/L		101	54 - 142	10	35
Bromobenzene	ND	E8	25.0	26.9		ug/L		108	69 - 132	20	35
Bromochloromethane	ND	E8	25.0	24.1		ug/L		96	67 - 145	4	35
Bromodichloromethane	ND	E8	25.0	26.1		ug/L		104	61 - 143	14	35
Bromoform	ND	E8 R4	25.0	31.8	R4	ug/L		127	57 - 142	36	35
Bromomethane	ND	E8	25.0	24.9		ug/L		100	56 - 149	10	35
Carbon disulfide	ND	E8	25.0	25.0		ug/L		100	48 - 150	2	35
Carbon tetrachloride	ND	E8	25.0	25.7		ug/L		103	60 - 143	10	35
Chlorobenzene	ND	E8	25.0	22.2		ug/L		89	69 - 129	1	35
Chloroethane	ND	E8	25.0	27.0		ug/L		108	60 - 146	13	35
Chloroform	1.2	E4	25.0	23.8		ug/L		90	69 - 138	3	35
Chloromethane	ND	E8	25.0	27.2		ug/L		109	50 - 150	10	35
cis-1,2-Dichloroethene	0.29	E4	25.0	26.3		ug/L		104	65 - 139	13	35
cis-1,3-Dichloropropene	ND	E8	25.0	25.9		ug/L		104	57 - 145	13	35
Chlorodibromomethane	ND	E8	25.0	25.9		ug/L		104	61 - 143	13	35
Dibromomethane	ND	E8	25.0	27.2		ug/L		109	64 - 138	15	35
Dichlorodifluoromethane	ND	E8	25.0	25.8		ug/L		103	21 - 150	5	35
Ethylbenzene	ND	E8	25.0	21.0		ug/L		84	46 - 149	7	35
Hexachlorobutadiene	ND	E8 M2 R13	25.0	9.73	M2 R13	ug/L		39	49 - 146	72	35
Iodomethane	ND	E8	25.0	25.6		ug/L		102	43 - 150	5	35
Isopropylbenzene	ND	E8	25.0	22.7		ug/L		91	56 - 143	0	35
m,p-Xylenes	ND	E8	25.0	25.0		ug/L		100	52 - 144	11	35
Methylene Chloride	ND	E8	25.0	24.0		ug/L		96	66 - 134	6	35
Methyl tert-butyl ether	ND	E8	25.0	24.0		ug/L		96	56 - 148	11	35
Naphthalene	ND	E8	25.0	30.6		ug/L		122	47 - 150	22	35
n-Butylbenzene	ND	E8 R4	25.0	13.8	R4	ug/L		55	54 - 145	49	35
n-Propylbenzene	ND	E8	25.0	20.0		ug/L		80	54 - 144	13	35
o-Xylene	ND	E8	25.0	26.4		ug/L		106	55 - 143	16	35
p-Isopropyltoluene	ND	E8	25.0	17.3		ug/L		69	53 - 147	28	35
sec-Butylbenzene	ND	E8	25.0	18.0		ug/L		72	55 - 145	24	35
Styrene	ND	E8	25.0	27.4		ug/L		109	21 - 150	18	35
tert-Butylbenzene	ND	E8	25.0	20.6		ug/L		82	57 - 143	11	35
Tetrachloroethene	0.49	E4	25.0	21.1		ug/L		82	37 - 150	6	35
Toluene	ND	E8	25.0	23.9		ug/L		95	56 - 141	4	35
trans-1,2-Dichloroethene	ND	E8	25.0	23.4		ug/L		94	69 - 136	1	35
trans-1,3-Dichloropropene	ND	E8	25.0	27.0		ug/L		108	57 - 147	13	35
Trichloroethene	1.5	E4	25.0	24.1		ug/L		90	62 - 134	7	35
Trichlorofluoromethane	ND	E8	25.0	25.3		ug/L		101	60 - 150	4	35
Vinyl acetate	ND	E8	25.0	25.1		ug/L		100	14 - 150	6	35
Vinyl chloride	ND	E8	25.0	27.9		ug/L		112	48 - 150	7	35
Xylenes, Total	ND	E8	50.0	51.4		ug/L		103	53 - 145	13	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-13 MSD
Matrix: Water
Analysis Batch: 188377

Client Sample ID: AVB 116-01-20190828
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*86*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 550-188379/6
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			09/04/19 00:38	1
1,1,1-Trichloroethane	ND		2.0		ug/L			09/04/19 00:38	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/04/19 00:38	1
1,1,2-Trichloroethane	ND		2.0		ug/L			09/04/19 00:38	1
1,1-Dichloroethane	ND		2.0		ug/L			09/04/19 00:38	1
1,1-Dichloroethene	ND		5.0		ug/L			09/04/19 00:38	1
1,1-Dichloropropene	ND		2.0		ug/L			09/04/19 00:38	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			09/04/19 00:38	1
1,2,3-Trichloropropane	ND		10		ug/L			09/04/19 00:38	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			09/04/19 00:38	1
1,2,4-Trimethylbenzene	ND		2.0		ug/L			09/04/19 00:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/04/19 00:38	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/L			09/04/19 00:38	1
1,2-Dichlorobenzene	ND		2.0		ug/L			09/04/19 00:38	1
1,2-Dichloroethane	ND		2.0		ug/L			09/04/19 00:38	1
1,2-Dichloropropane	ND		2.0		ug/L			09/04/19 00:38	1
1,3,5-Trimethylbenzene	ND		2.0		ug/L			09/04/19 00:38	1
1,3-Dichlorobenzene	ND		2.0		ug/L			09/04/19 00:38	1
1,3-Dichloropropane	ND		2.0		ug/L			09/04/19 00:38	1
1,4-Dichlorobenzene	ND		2.0		ug/L			09/04/19 00:38	1
2,2-Dichloropropane	ND		2.0		ug/L			09/04/19 00:38	1
2-Butanone (MEK)	ND		10		ug/L			09/04/19 00:38	1
2-Chlorotoluene	ND		5.0		ug/L			09/04/19 00:38	1
2-Hexanone	ND		10		ug/L			09/04/19 00:38	1
4-Chlorotoluene	ND		5.0		ug/L			09/04/19 00:38	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/04/19 00:38	1
Acetone	ND		20		ug/L			09/04/19 00:38	1
Benzene	ND		2.0		ug/L			09/04/19 00:38	1
Bromobenzene	ND		5.0		ug/L			09/04/19 00:38	1
Bromochloromethane	ND		5.0		ug/L			09/04/19 00:38	1
Bromodichloromethane	ND		2.0		ug/L			09/04/19 00:38	1
Bromoform	ND		5.0		ug/L			09/04/19 00:38	1
Bromomethane	ND		5.0		ug/L			09/04/19 00:38	1
Carbon disulfide	ND		5.0		ug/L			09/04/19 00:38	1
Carbon tetrachloride	ND		5.0		ug/L			09/04/19 00:38	1
Chlorobenzene	ND		2.0		ug/L			09/04/19 00:38	1
Chloroethane	ND		5.0		ug/L			09/04/19 00:38	1
Chloroform	ND		2.0		ug/L			09/04/19 00:38	1
Chloromethane	ND		5.0		ug/L			09/04/19 00:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-188379/6
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 00:38	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 00:38	1
Chlorodibromomethane	ND		2.0		ug/L			09/04/19 00:38	1
Dibromomethane	ND		2.0		ug/L			09/04/19 00:38	1
Dichlorodifluoromethane	ND	V1	5.0		ug/L			09/04/19 00:38	1
Ethylbenzene	ND		2.0		ug/L			09/04/19 00:38	1
Hexachlorobutadiene	ND		5.0		ug/L			09/04/19 00:38	1
Iodomethane	ND		2.0		ug/L			09/04/19 00:38	1
Isopropylbenzene	ND		2.0		ug/L			09/04/19 00:38	1
m,p-Xylenes	ND		5.0		ug/L			09/04/19 00:38	1
Methylene Chloride	ND		5.0		ug/L			09/04/19 00:38	1
Methyl tert-butyl ether	ND	V9	1.0		ug/L			09/04/19 00:38	1
Naphthalene	ND		5.0		ug/L			09/04/19 00:38	1
n-Butylbenzene	ND		5.0		ug/L			09/04/19 00:38	1
n-Propylbenzene	ND		2.0		ug/L			09/04/19 00:38	1
o-Xylene	ND		5.0		ug/L			09/04/19 00:38	1
p-Isopropyltoluene	ND		2.0		ug/L			09/04/19 00:38	1
sec-Butylbenzene	ND		5.0		ug/L			09/04/19 00:38	1
Styrene	ND		2.0		ug/L			09/04/19 00:38	1
tert-Butylbenzene	ND		5.0		ug/L			09/04/19 00:38	1
Tetrachloroethene	ND		2.0		ug/L			09/04/19 00:38	1
Toluene	ND		2.0		ug/L			09/04/19 00:38	1
trans-1,2-Dichloroethene	ND		2.0		ug/L			09/04/19 00:38	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/04/19 00:38	1
Trichloroethene	ND		2.0		ug/L			09/04/19 00:38	1
Trichlorofluoromethane	ND		5.0		ug/L			09/04/19 00:38	1
Vinyl acetate	ND		25		ug/L			09/04/19 00:38	1
Vinyl chloride	ND		5.0		ug/L			09/04/19 00:38	1
Xylenes, Total	ND		10		ug/L			09/04/19 00:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*09/04/19 00:38*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/04/19 00:38*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/04/19 00:38*	*1*

Lab Sample ID: LCS 550-188379/4
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 130
1,1,1-Trichloroethane	25.0	23.3		ug/L		93	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	70 - 130
1,1,2-Trichloroethane	25.0	22.6		ug/L		90	70 - 130
1,1-Dichloroethane	25.0	23.8		ug/L		95	70 - 130
1,1-Dichloroethene	25.0	23.7		ug/L		95	70 - 130
1,1-Dichloropropene	25.0	24.2		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	25.0	23.0		ug/L		92	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188379/4
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	22.0		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		93	70 - 130
1,2,4-Trimethylbenzene	25.0	23.0		ug/L		92	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.3		ug/L		85	61 - 130
1,2-Dibromoethane (EDB)	25.0	21.6		ug/L		86	70 - 130
1,2-Dichlorobenzene	25.0	22.4		ug/L		90	70 - 130
1,2-Dichloroethane	25.0	24.7		ug/L		99	70 - 130
1,2-Dichloropropane	25.0	24.7		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	25.0	23.1		ug/L		92	70 - 130
1,3-Dichlorobenzene	25.0	22.1		ug/L		88	70 - 130
1,3-Dichloropropane	25.0	23.0		ug/L		92	70 - 130
1,4-Dichlorobenzene	25.0	22.0		ug/L		88	70 - 130
2,2-Dichloropropane	25.0	24.2		ug/L		97	70 - 130
2-Butanone (MEK)	25.0	22.6		ug/L		90	50 - 150
2-Chlorotoluene	25.0	23.0		ug/L		92	70 - 130
2-Hexanone	25.0	23.9		ug/L		96	52 - 138
4-Chlorotoluene	25.0	22.8		ug/L		91	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	24.3		ug/L		97	64 - 131
Acetone	25.0	28.9		ug/L		116	18 - 150
Benzene	25.0	23.5		ug/L		94	70 - 130
Bromobenzene	25.0	22.2		ug/L		89	70 - 130
Bromochloromethane	25.0	20.4		ug/L		82	70 - 130
Bromodichloromethane	25.0	24.5		ug/L		98	70 - 130
Bromoform	25.0	21.5		ug/L		86	70 - 130
Bromomethane	25.0	20.1		ug/L		80	62 - 136
Carbon disulfide	25.0	27.5		ug/L		110	70 - 130
Carbon tetrachloride	25.0	24.4		ug/L		97	70 - 130
Chlorobenzene	25.0	22.3		ug/L		89	70 - 130
Chloroethane	25.0	24.9		ug/L		100	70 - 130
Chloroform	25.0	22.6		ug/L		90	80 - 120
Chloromethane	25.0	17.8		ug/L		71	64 - 134
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	70 - 130
cis-1,3-Dichloropropene	25.0	24.1		ug/L		97	70 - 130
Chlorodibromomethane	25.0	21.8		ug/L		87	70 - 130
Dibromomethane	25.0	22.0		ug/L		88	70 - 130
Dichlorodifluoromethane	25.0	20.4	V1	ug/L		82	29 - 150
Ethylbenzene	25.0	23.0		ug/L		92	80 - 120
Hexachlorobutadiene	25.0	23.1		ug/L		92	70 - 130
Iodomethane	25.0	24.5		ug/L		98	70 - 136
Isopropylbenzene	25.0	23.2		ug/L		93	70 - 130
m,p-Xylenes	25.0	22.6		ug/L		90	70 - 130
Methylene Chloride	25.0	23.7		ug/L		95	70 - 130
Methyl tert-butyl ether	25.0	16.3	L4 V9	ug/L		65	70 - 132
Naphthalene	25.0	22.4		ug/L		90	70 - 130
n-Butylbenzene	25.0	24.1		ug/L		96	70 - 130
n-Propylbenzene	25.0	23.7		ug/L		95	70 - 130
o-Xylene	25.0	22.8		ug/L		91	70 - 130
p-Isopropyltoluene	25.0	23.1		ug/L		93	70 - 130
sec-Butylbenzene	25.0	23.3		ug/L		93	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188379/4
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	22.9		ug/L		92	70 - 130
tert-Butylbenzene	25.0	22.6		ug/L		90	70 - 130
Tetrachloroethene	25.0	22.4		ug/L		90	70 - 130
Toluene	25.0	22.7		ug/L		91	80 - 120
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	70 - 130
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	70 - 130
Trichloroethene	25.0	23.3		ug/L		93	70 - 130
Trichlorofluoromethane	25.0	24.0		ug/L		96	70 - 130
Vinyl acetate	25.0	23.1	E4	ug/L		93	63 - 147
Vinyl chloride	25.0	28.5		ug/L		114	70 - 130
Xylenes, Total	50.0	45.4		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 550-188379/5
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.7		ug/L		95	70 - 130	4	20
1,1,1-Trichloroethane	25.0	24.3		ug/L		97	70 - 130	4	20
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	70 - 130	7	20
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	70 - 130	2	20
1,1-Dichloroethane	25.0	24.8		ug/L		99	70 - 130	4	20
1,1-Dichloroethene	25.0	22.8		ug/L		91	70 - 130	4	20
1,1-Dichloropropene	25.0	25.9		ug/L		104	70 - 130	7	20
1,2,3-Trichlorobenzene	25.0	23.0		ug/L		92	70 - 130	0	20
1,2,3-Trichloropropane	25.0	23.4		ug/L		94	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	23.2		ug/L		93	70 - 130	1	20
1,2,4-Trimethylbenzene	25.0	23.6		ug/L		94	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	25.0	23.3		ug/L		93	61 - 130	9	21
1,2-Dibromoethane (EDB)	25.0	22.2		ug/L		89	70 - 130	3	20
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	70 - 130	2	20
1,2-Dichloroethane	25.0	27.6		ug/L		110	70 - 130	11	20
1,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130	2	20
1,3,5-Trimethylbenzene	25.0	23.3		ug/L		93	70 - 130	1	20
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	70 - 130	3	20
1,3-Dichloropropane	25.0	23.6		ug/L		94	70 - 130	3	20
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	70 - 130	3	20
2,2-Dichloropropane	25.0	24.5		ug/L		98	70 - 130	1	20
2-Butanone (MEK)	25.0	24.0		ug/L		96	50 - 150	6	34
2-Chlorotoluene	25.0	23.8		ug/L		95	70 - 130	3	20
2-Hexanone	25.0	25.3		ug/L		101	52 - 138	5	29
4-Chlorotoluene	25.0	23.5		ug/L		94	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	25.0	24.8		ug/L		99	64 - 131	2	23

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188379/5
Matrix: Water
Analysis Batch: 188379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			25.0	33.9		ug/L		136	18 - 150	16	35
Benzene			25.0	25.0		ug/L		100	70 - 130	6	20
Bromobenzene			25.0	23.3		ug/L		93	70 - 130	5	20
Bromochloromethane			25.0	21.3		ug/L		85	70 - 130	4	20
Bromodichloromethane			25.0	24.9		ug/L		99	70 - 130	1	20
Bromoform			25.0	23.2		ug/L		93	70 - 130	7	20
Bromomethane			25.0	22.2		ug/L		89	62 - 136	10	20
Carbon disulfide			25.0	26.6		ug/L		107	70 - 130	3	20
Carbon tetrachloride			25.0	26.2		ug/L		105	70 - 130	7	20
Chlorobenzene			25.0	22.6		ug/L		90	70 - 130	1	20
Chloroethane			25.0	24.0		ug/L		96	70 - 130	4	20
Chloroform			25.0	23.7		ug/L		95	80 - 120	5	20
Chloromethane			25.0	20.1		ug/L		80	64 - 134	12	20
cis-1,2-Dichloroethene			25.0	25.7		ug/L		103	70 - 130	7	20
cis-1,3-Dichloropropene			25.0	24.8		ug/L		99	70 - 130	3	20
Chlorodibromomethane			25.0	22.5		ug/L		90	70 - 130	3	20
Dibromomethane			25.0	22.5		ug/L		90	70 - 130	2	20
Dichlorodifluoromethane			25.0	23.7	V1	ug/L		95	29 - 150	15	21
Ethylbenzene			25.0	23.5		ug/L		94	80 - 120	2	20
Hexachlorobutadiene			25.0	23.0		ug/L		92	70 - 130	0	20
Iodomethane			25.0	24.0		ug/L		96	70 - 136	2	20
Isopropylbenzene			25.0	24.0		ug/L		96	70 - 130	3	20
m,p-Xylenes			25.0	23.2		ug/L		93	70 - 130	3	20
Methylene Chloride			25.0	23.1		ug/L		93	70 - 130	3	20
Methyl tert-butyl ether			25.0	15.0	L4 V9	ug/L		60	70 - 132	8	20
Naphthalene			25.0	23.1		ug/L		92	70 - 130	3	20
n-Butylbenzene			25.0	24.1		ug/L		96	70 - 130	0	20
n-Propylbenzene			25.0	24.4		ug/L		98	70 - 130	3	20
o-Xylene			25.0	23.9		ug/L		96	70 - 130	5	20
p-Isopropyltoluene			25.0	23.7		ug/L		95	70 - 130	2	20
sec-Butylbenzene			25.0	24.0		ug/L		96	70 - 130	3	20
Styrene			25.0	24.0		ug/L		96	70 - 130	5	20
tert-Butylbenzene			25.0	23.6		ug/L		94	70 - 130	5	20
Tetrachloroethene			25.0	23.0		ug/L		92	70 - 130	3	20
Toluene			25.0	23.1		ug/L		92	80 - 120	2	20
trans-1,2-Dichloroethene			25.0	22.3		ug/L		89	70 - 130	4	20
trans-1,3-Dichloropropene			25.0	24.8		ug/L		99	70 - 130	2	20
Trichloroethene			25.0	23.5		ug/L		94	70 - 130	1	20
Trichlorofluoromethane			25.0	23.5		ug/L		94	70 - 130	2	20
Vinyl acetate			25.0	23.6	E4	ug/L		94	63 - 147	2	20
Vinyl chloride			25.0	24.7		ug/L		99	70 - 130	15	20
Xylenes, Total			50.0	47.1		ug/L		94	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-18 MS
Matrix: Water
Analysis Batch: 188379

Client Sample ID: AVB 132-01-20190829
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		25.0	23.8		ug/L		95	67 - 137
1,1,1-Trichloroethane	ND		25.0	23.5		ug/L		94	64 - 143
1,1,2,2-Tetrachloroethane	ND		25.0	23.0		ug/L		92	63 - 136
1,1,2-Trichloroethane	ND		25.0	23.5		ug/L		94	66 - 137
1,1-Dichloroethane	7.0		25.0	30.2		ug/L		93	70 - 137
1,1-Dichloroethene	12		25.0	26.2		ug/L		58	53 - 150
1,1-Dichloropropene	ND		25.0	23.8		ug/L		95	58 - 141
1,2,3-Trichlorobenzene	ND		25.0	24.3		ug/L		97	57 - 144
1,2,3-Trichloropropane	ND		25.0	22.7		ug/L		91	60 - 138
1,2,4-Trichlorobenzene	ND		25.0	23.9		ug/L		96	58 - 140
1,2,4-Trimethylbenzene	ND		25.0	23.2		ug/L		93	50 - 147
1,2-Dibromo-3-Chloropropane	ND		25.0	22.3		ug/L		89	51 - 143
1,2-Dibromoethane (EDB)	ND		25.0	22.4		ug/L		90	67 - 136
1,2-Dichlorobenzene	ND		25.0	23.2		ug/L		93	67 - 131
1,2-Dichloroethane	ND		25.0	25.6		ug/L		102	58 - 146
1,2-Dichloropropane	ND		25.0	25.7		ug/L		103	66 - 135
1,3,5-Trimethylbenzene	ND		25.0	22.6		ug/L		90	50 - 147
1,3-Dichlorobenzene	ND		25.0	22.5		ug/L		90	68 - 130
1,3-Dichloropropane	ND		25.0	24.0		ug/L		96	67 - 134
1,4-Dichlorobenzene	ND		25.0	22.4		ug/L		90	68 - 128
2,2-Dichloropropane	ND		25.0	23.6		ug/L		94	54 - 150
2-Butanone (MEK)	ND		25.0	22.9		ug/L		92	10 - 150
2-Chlorotoluene	ND		25.0	23.5		ug/L		94	63 - 132
2-Hexanone	ND		25.0	24.4		ug/L		98	37 - 150
4-Chlorotoluene	ND		25.0	23.0		ug/L		92	66 - 131
4-Methyl-2-pentanone (MIBK)	ND		25.0	25.1		ug/L		100	41 - 150
Acetone	ND		25.0	25.9		ug/L		104	10 - 150
Benzene	ND		25.0	23.7		ug/L		95	54 - 142
Bromobenzene	ND		25.0	22.7		ug/L		91	69 - 132
Bromochloromethane	ND		25.0	21.6		ug/L		86	67 - 145
Bromodichloromethane	ND		25.0	25.4		ug/L		102	61 - 143
Bromoform	ND		25.0	22.8		ug/L		91	57 - 142
Bromomethane	ND		25.0	18.1		ug/L		73	56 - 149
Carbon disulfide	ND		25.0	26.7		ug/L		107	48 - 150
Carbon tetrachloride	ND		25.0	24.2		ug/L		97	60 - 143
Chlorobenzene	ND		25.0	22.5		ug/L		90	69 - 129
Chloroethane	ND		25.0	19.1		ug/L		77	60 - 146
Chloroform	2.2		25.0	25.6		ug/L		93	69 - 138
Chloromethane	ND		25.0	22.8		ug/L		91	50 - 150
cis-1,2-Dichloroethene	20		25.0	40.4		ug/L		83	65 - 139
cis-1,3-Dichloropropene	ND		25.0	24.6		ug/L		98	57 - 145
Chlorodibromomethane	ND		25.0	23.0		ug/L		92	61 - 143
Dibromomethane	ND		25.0	22.8		ug/L		91	64 - 138
Dichlorodifluoromethane	ND	V1	25.0	24.1	V1	ug/L		96	21 - 150
Ethylbenzene	ND		25.0	23.2		ug/L		93	46 - 149
Hexachlorobutadiene	ND		25.0	23.1		ug/L		92	49 - 146
Iodomethane	ND		25.0	24.2		ug/L		97	43 - 150
Isopropylbenzene	ND		25.0	23.2		ug/L		93	56 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-18 MS
Matrix: Water
Analysis Batch: 188379

Client Sample ID: AVB 132-01-20190829
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylenes	ND		25.0	22.2		ug/L		89	52 - 144
Methylene Chloride	ND		25.0	23.1		ug/L		92	66 - 134
Methyl tert-butyl ether	ND	L4 V9	25.0	15.8	V9	ug/L		63	56 - 148
Naphthalene	ND		25.0	23.6		ug/L		94	47 - 150
n-Butylbenzene	ND		25.0	23.9		ug/L		96	54 - 145
n-Propylbenzene	ND		25.0	23.7		ug/L		95	54 - 144
o-Xylene	ND		25.0	23.4		ug/L		93	55 - 143
p-Isopropyltoluene	ND		25.0	23.4		ug/L		94	53 - 147
sec-Butylbenzene	ND		25.0	23.2		ug/L		93	55 - 145
Styrene	ND		25.0	23.4		ug/L		93	21 - 150
tert-Butylbenzene	ND		25.0	22.9		ug/L		92	57 - 143
Tetrachloroethene	4.4		25.0	25.6		ug/L		85	37 - 150
Toluene	ND		25.0	22.8		ug/L		91	56 - 141
trans-1,2-Dichloroethene	ND		25.0	22.3		ug/L		89	69 - 136
trans-1,3-Dichloropropene	ND		25.0	24.9		ug/L		99	57 - 147
Trichloroethene	94	M2	25.0	97.4	M2	ug/L		14	62 - 134
Trichlorofluoromethane	ND		25.0	19.6		ug/L		76	60 - 150
Vinyl acetate	ND		25.0	ND		ug/L		94	14 - 150
Vinyl chloride	ND		25.0	27.4		ug/L		110	48 - 150
Xylenes, Total	ND		50.0	45.6		ug/L		91	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 550-128836-18 MSD
Matrix: Water
Analysis Batch: 188379

Client Sample ID: AVB 132-01-20190829
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		25.0	23.3		ug/L		93	67 - 137	2	35
1,1,1-Trichloroethane	ND		25.0	23.2		ug/L		93	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND		25.0	23.4		ug/L		93	63 - 136	1	35
1,1,2-Trichloroethane	ND		25.0	22.9		ug/L		91	66 - 137	3	35
1,1-Dichloroethane	7.0		25.0	29.4		ug/L		90	70 - 137	2	35
1,1-Dichloroethene	12		25.0	31.6		ug/L		79	53 - 150	19	35
1,1-Dichloropropene	ND		25.0	23.4		ug/L		94	58 - 141	2	35
1,2,3-Trichlorobenzene	ND		25.0	24.0		ug/L		96	57 - 144	1	35
1,2,3-Trichloropropane	ND		25.0	23.5		ug/L		94	60 - 138	3	35
1,2,4-Trichlorobenzene	ND		25.0	23.5		ug/L		94	58 - 140	2	35
1,2,4-Trimethylbenzene	ND		25.0	22.7		ug/L		91	50 - 147	2	35
1,2-Dibromo-3-Chloropropane	ND		25.0	23.5		ug/L		94	51 - 143	5	35
1,2-Dibromoethane (EDB)	ND		25.0	22.1		ug/L		88	67 - 136	1	35
1,2-Dichlorobenzene	ND		25.0	22.8		ug/L		91	67 - 131	2	35
1,2-Dichloroethane	ND		25.0	24.7		ug/L		99	58 - 146	3	35
1,2-Dichloropropane	ND		25.0	24.6		ug/L		98	66 - 135	5	35
1,3,5-Trimethylbenzene	ND		25.0	22.2		ug/L		89	50 - 147	2	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-18 MSD
Matrix: Water
Analysis Batch: 188379

Client Sample ID: AVB 132-01-20190829
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND		25.0	22.3		ug/L		89	68 - 130	1	35
1,3-Dichloropropane	ND		25.0	23.4		ug/L		94	67 - 134	2	35
1,4-Dichlorobenzene	ND		25.0	22.1		ug/L		88	68 - 128	2	35
2,2-Dichloropropane	ND		25.0	23.0		ug/L		92	54 - 150	3	35
2-Butanone (MEK)	ND		25.0	23.9		ug/L		96	10 - 150	4	35
2-Chlorotoluene	ND		25.0	23.0		ug/L		92	63 - 132	2	35
2-Hexanone	ND		25.0	24.7		ug/L		99	37 - 150	1	35
4-Chlorotoluene	ND		25.0	22.9		ug/L		92	66 - 131	0	35
4-Methyl-2-pentanone (MIBK)	ND		25.0	25.1		ug/L		100	41 - 150	0	35
Acetone	ND		25.0	26.6		ug/L		107	10 - 150	3	35
Benzene	ND		25.0	23.0		ug/L		92	54 - 142	3	35
Bromobenzene	ND		25.0	22.6		ug/L		90	69 - 132	1	35
Bromochloromethane	ND		25.0	21.6		ug/L		87	67 - 145	0	35
Bromodichloromethane	ND		25.0	24.5		ug/L		98	61 - 143	4	35
Bromoform	ND		25.0	23.1		ug/L		92	57 - 142	2	35
Bromomethane	ND		25.0	17.6		ug/L		70	56 - 149	3	35
Carbon disulfide	ND		25.0	26.1		ug/L		104	48 - 150	2	35
Carbon tetrachloride	ND		25.0	23.7		ug/L		95	60 - 143	2	35
Chlorobenzene	ND		25.0	21.9		ug/L		88	69 - 129	3	35
Chloroethane	ND		25.0	15.7		ug/L		63	60 - 146	20	35
Chloroform	2.2		25.0	24.8		ug/L		90	69 - 138	3	35
Chloromethane	ND		25.0	24.0		ug/L		96	50 - 150	5	35
cis-1,2-Dichloroethene	20		25.0	38.8		ug/L		76	65 - 139	4	35
cis-1,3-Dichloropropene	ND		25.0	23.9		ug/L		96	57 - 145	3	35
Chlorodibromomethane	ND		25.0	22.5		ug/L		90	61 - 143	2	35
Dibromomethane	ND		25.0	22.2		ug/L		89	64 - 138	3	35
Dichlorodifluoromethane	ND	V1	25.0	23.0	V1	ug/L		92	21 - 150	4	35
Ethylbenzene	ND		25.0	22.7		ug/L		91	46 - 149	2	35
Hexachlorobutadiene	ND		25.0	22.5		ug/L		90	49 - 146	3	35
Iodomethane	ND		25.0	23.6		ug/L		94	43 - 150	3	35
Isopropylbenzene	ND		25.0	23.0		ug/L		92	56 - 143	1	35
m,p-Xylenes	ND		25.0	22.5		ug/L		90	52 - 144	1	35
Methylene Chloride	ND		25.0	22.8		ug/L		91	66 - 134	2	35
Methyl tert-butyl ether	ND	L4 V9	25.0	16.2	V9	ug/L		65	56 - 148	3	35
Naphthalene	ND		25.0	23.7		ug/L		95	47 - 150	0	35
n-Butylbenzene	ND		25.0	23.4		ug/L		93	54 - 145	2	35
n-Propylbenzene	ND		25.0	23.4		ug/L		94	54 - 144	1	35
o-Xylene	ND		25.0	22.9		ug/L		91	55 - 143	2	35
p-Isopropyltoluene	ND		25.0	22.9		ug/L		92	53 - 147	2	35
sec-Butylbenzene	ND		25.0	23.1		ug/L		92	55 - 145	1	35
Styrene	ND		25.0	23.2		ug/L		93	21 - 150	1	35
tert-Butylbenzene	ND		25.0	22.7		ug/L		91	57 - 143	1	35
Tetrachloroethene	4.4		25.0	25.4		ug/L		84	37 - 150	1	35
Toluene	ND		25.0	22.4		ug/L		90	56 - 141	2	35
trans-1,2-Dichloroethene	ND		25.0	22.0		ug/L		88	69 - 136	1	35
trans-1,3-Dichloropropene	ND		25.0	24.6		ug/L		98	57 - 147	1	35
Trichloroethene	94	M2	25.0	94.0	M2	ug/L		0.6	62 - 134	4	35
Trichlorofluoromethane	ND		25.0	17.1		ug/L		66	60 - 150	14	35
Vinyl acetate	ND		25.0	ND		ug/L		99	14 - 150	4	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-18 MSD — **Client Sample ID: AVB 132-01-20190829**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 188379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND		25.0	33.3		ug/L		133	48 - 150	20	35
Xylenes, Total	ND		50.0	45.4		ug/L		91	53 - 145	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: MB 550-188418/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 188418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/04/19 11:33	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/04/19 11:33	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/04/19 11:33	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 11:33	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/04/19 11:33	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/04/19 11:33	1
1,1-Dichloropropene	ND	E8 V1	2.0	0.20	ug/L			09/04/19 11:33	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/04/19 11:33	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/04/19 11:33	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/04/19 11:33	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/04/19 11:33	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/04/19 11:33	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/04/19 11:33	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/04/19 11:33	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/04/19 11:33	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 11:33	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 11:33	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/04/19 11:33	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/04/19 11:33	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 11:33	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/04/19 11:33	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/04/19 11:33	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/04/19 11:33	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/04/19 11:33	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/04/19 11:33	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/04/19 11:33	1
Acetone	ND	E8	20	7.3	ug/L			09/04/19 11:33	1
Benzene	ND	E8	2.0	0.12	ug/L			09/04/19 11:33	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/04/19 11:33	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/04/19 11:33	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/04/19 11:33	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/04/19 11:33	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/04/19 11:33	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/04/19 11:33	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/04/19 11:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-188418/7
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/04/19 11:33	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/04/19 11:33	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/04/19 11:33	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/04/19 11:33	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/04/19 11:33	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/04/19 11:33	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/04/19 11:33	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/04/19 11:33	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 11:33	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/04/19 11:33	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/04/19 11:33	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/04/19 11:33	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/04/19 11:33	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/04/19 11:33	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/04/19 11:33	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/04/19 11:33	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/04/19 11:33	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/04/19 11:33	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/04/19 11:33	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/04/19 11:33	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/04/19 11:33	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/04/19 11:33	1
Styrene	ND	E8	2.0	0.17	ug/L			09/04/19 11:33	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/04/19 11:33	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/04/19 11:33	1
Toluene	ND	E8	2.0	0.28	ug/L			09/04/19 11:33	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/04/19 11:33	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/04/19 11:33	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/04/19 11:33	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/04/19 11:33	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/04/19 11:33	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/04/19 11:33	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/04/19 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*124*		*70 - 130*		*09/04/19 11:33*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*		*09/04/19 11:33*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/04/19 11:33*	*1*

Lab Sample ID: LCS 550-188418/3
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	29.2		ug/L		117	70 - 130
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	70 - 130
1,1,2-Trichloroethane	25.0	25.9		ug/L		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188418/3
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloroethene	25.0	27.8		ug/L		111	70 - 130
1,1-Dichloropropene	25.0	32.9	L5 V1	ug/L		131	70 - 130
1,2,3-Trichlorobenzene	25.0	23.8		ug/L		95	70 - 130
1,2,3-Trichloropropane	25.0	26.7		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	25.0	21.4		ug/L		86	70 - 130
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	61 - 130
1,2-Dibromoethane (EDB)	25.0	25.8		ug/L		103	70 - 130
1,2-Dichlorobenzene	25.0	24.1		ug/L		97	70 - 130
1,2-Dichloroethane	25.0	26.6		ug/L		106	70 - 130
1,2-Dichloropropane	25.0	28.2		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	70 - 130
1,3-Dichlorobenzene	25.0	23.7		ug/L		95	70 - 130
1,3-Dichloropropane	25.0	24.9		ug/L		100	70 - 130
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	70 - 130
2,2-Dichloropropane	25.0	26.9		ug/L		107	70 - 130
2-Butanone (MEK)	25.0	25.5		ug/L		102	50 - 150
2-Chlorotoluene	25.0	24.4		ug/L		97	70 - 130
2-Hexanone	25.0	24.4		ug/L		98	52 - 138
4-Chlorotoluene	25.0	24.3		ug/L		97	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	24.9		ug/L		99	64 - 131
Acetone	25.0	24.3		ug/L		97	18 - 150
Benzene	25.0	25.5		ug/L		102	70 - 130
Bromobenzene	25.0	24.6		ug/L		98	70 - 130
Bromochloromethane	25.0	26.5		ug/L		106	70 - 130
Bromodichloromethane	25.0	28.4		ug/L		113	70 - 130
Bromoform	25.0	24.5		ug/L		98	70 - 130
Bromomethane	25.0	24.3		ug/L		97	62 - 136
Carbon disulfide	25.0	26.0		ug/L		104	70 - 130
Carbon tetrachloride	25.0	28.2		ug/L		113	70 - 130
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130
Chloroethane	25.0	23.5		ug/L		94	70 - 130
Chloroform	25.0	25.9		ug/L		103	80 - 120
Chloromethane	25.0	24.7		ug/L		99	64 - 134
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	70 - 130
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	70 - 130
Chlorodibromomethane	25.0	26.0		ug/L		104	70 - 130
Dibromomethane	25.0	29.0		ug/L		116	70 - 130
Dichlorodifluoromethane	25.0	29.3		ug/L		117	29 - 150
Ethylbenzene	25.0	26.6		ug/L		106	80 - 120
Hexachlorobutadiene	25.0	21.4		ug/L		86	70 - 130
Iodomethane	25.0	25.9		ug/L		103	70 - 136
Isopropylbenzene	25.0	26.0		ug/L		104	70 - 130
m,p-Xylenes	25.0	24.7		ug/L		99	70 - 130
Methylene Chloride	25.0	23.8		ug/L		95	70 - 130
Methyl tert-butyl ether	25.0	25.8		ug/L		103	70 - 132
Naphthalene	25.0	23.5		ug/L		94	70 - 130
n-Butylbenzene	25.0	24.9		ug/L		99	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188418/3
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	25.0	24.8		ug/L		99	70 - 130
o-Xylene	25.0	25.9		ug/L		103	70 - 130
p-Isopropyltoluene	25.0	24.5		ug/L		98	70 - 130
sec-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
Styrene	25.0	24.2		ug/L		97	70 - 130
tert-Butylbenzene	25.0	22.7		ug/L		91	70 - 130
Tetrachloroethene	25.0	27.0		ug/L		108	70 - 130
Toluene	25.0	24.1		ug/L		96	80 - 120
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	70 - 130
trans-1,3-Dichloropropene	25.0	23.8		ug/L		95	70 - 130
Trichloroethene	25.0	28.0		ug/L		112	70 - 130
Trichlorofluoromethane	25.0	25.8		ug/L		103	70 - 130
Vinyl acetate	25.0	29.2		ug/L		117	63 - 147
Vinyl chloride	25.0	24.8		ug/L		99	70 - 130
Xylenes, Total	50.0	50.6		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 550-188418/4
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	28.4		ug/L		113	70 - 130	3	20
1,1,1-Trichloroethane	25.0	26.9		ug/L		108	70 - 130	4	20
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130	3	20
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	70 - 130	3	20
1,1-Dichloroethane	25.0	26.4		ug/L		106	70 - 130	5	20
1,1-Dichloroethene	25.0	27.0		ug/L		108	70 - 130	3	20
1,1-Dichloropropene	25.0	29.4	V1	ug/L		118	70 - 130	11	20
1,2,3-Trichlorobenzene	25.0	26.4		ug/L		106	70 - 130	10	20
1,2,3-Trichloropropane	25.0	25.2		ug/L		101	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	70 - 130	18	20
1,2,4-Trimethylbenzene	25.0	25.5		ug/L		102	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	25.3		ug/L		101	61 - 130	7	21
1,2-Dibromoethane (EDB)	25.0	25.1		ug/L		100	70 - 130	3	20
1,2-Dichlorobenzene	25.0	24.9		ug/L		99	70 - 130	3	20
1,2-Dichloroethane	25.0	25.3		ug/L		101	70 - 130	5	20
1,2-Dichloropropane	25.0	24.4		ug/L		98	70 - 130	15	20
1,3,5-Trimethylbenzene	25.0	26.5		ug/L		106	70 - 130	4	20
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130	6	20
1,3-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	4	20
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	70 - 130	5	20
2,2-Dichloropropane	25.0	28.0		ug/L		112	70 - 130	4	20
2-Butanone (MEK)	25.0	24.0		ug/L		96	50 - 150	6	34

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188418/4
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130	6	20
2-Hexanone	25.0	24.1		ug/L		96	52 - 138	1	29
4-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130	7	20
4-Methyl-2-pentanone (MIBK)	25.0	23.3		ug/L		93	64 - 131	7	23
Acetone	25.0	19.8	E4	ug/L		79	18 - 150	20	35
Benzene	25.0	23.9		ug/L		96	70 - 130	7	20
Bromobenzene	25.0	25.3		ug/L		101	70 - 130	3	20
Bromochloromethane	25.0	26.3		ug/L		105	70 - 130	1	20
Bromodichloromethane	25.0	26.0		ug/L		104	70 - 130	9	20
Bromoform	25.0	25.7		ug/L		103	70 - 130	5	20
Bromomethane	25.0	27.2		ug/L		109	62 - 136	11	20
Carbon disulfide	25.0	25.8		ug/L		103	70 - 130	1	20
Carbon tetrachloride	25.0	25.4		ug/L		102	70 - 130	10	20
Chlorobenzene	25.0	25.8		ug/L		103	70 - 130	0	20
Chloroethane	25.0	25.7		ug/L		103	70 - 130	9	20
Chloroform	25.0	27.0		ug/L		108	80 - 120	4	20
Chloromethane	25.0	27.7		ug/L		111	64 - 134	11	20
cis-1,2-Dichloroethene	25.0	23.0		ug/L		92	70 - 130	14	20
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	70 - 130	5	20
Chlorodibromomethane	25.0	26.2		ug/L		105	70 - 130	1	20
Dibromomethane	25.0	25.1		ug/L		101	70 - 130	14	20
Dichlorodifluoromethane	25.0	29.1		ug/L		117	29 - 150	1	21
Ethylbenzene	25.0	26.2		ug/L		105	80 - 120	2	20
Hexachlorobutadiene	25.0	25.8		ug/L		103	70 - 130	19	20
Iodomethane	25.0	25.7		ug/L		103	70 - 136	1	20
Isopropylbenzene	25.0	26.8		ug/L		107	70 - 130	3	20
m,p-Xylenes	25.0	25.8		ug/L		103	70 - 130	5	20
Methylene Chloride	25.0	24.6		ug/L		98	70 - 130	3	20
Methyl tert-butyl ether	25.0	26.2		ug/L		105	70 - 132	2	20
Naphthalene	25.0	26.3		ug/L		105	70 - 130	11	20
n-Butylbenzene	25.0	26.3		ug/L		105	70 - 130	6	20
n-Propylbenzene	25.0	25.9		ug/L		103	70 - 130	4	20
o-Xylene	25.0	26.1		ug/L		104	70 - 130	1	20
p-Isopropyltoluene	25.0	25.6		ug/L		103	70 - 130	4	20
sec-Butylbenzene	25.0	26.3		ug/L		105	70 - 130	3	20
Styrene	25.0	25.1		ug/L		101	70 - 130	4	20
tert-Butylbenzene	25.0	24.5		ug/L		98	70 - 130	8	20
Tetrachloroethene	25.0	27.3		ug/L		109	70 - 130	1	20
Toluene	25.0	25.8		ug/L		103	80 - 120	7	20
trans-1,2-Dichloroethene	25.0	26.6		ug/L		107	70 - 130	4	20
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	70 - 130	9	20
Trichloroethene	25.0	25.1		ug/L		100	70 - 130	11	20
Trichlorofluoromethane	25.0	28.1		ug/L		112	70 - 130	8	20
Vinyl acetate	25.0	28.1		ug/L		112	63 - 147	4	20
Vinyl chloride	25.0	27.8		ug/L		111	70 - 130	11	20
Xylenes, Total	50.0	51.9		ug/L		104	70 - 130	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188418/4
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 550-128927-B-2 MS
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	29.2		ug/L		117	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	29.9		ug/L		120	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.5		ug/L		106	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	27.9		ug/L		112	66 - 137
1,1-Dichloroethane	ND	E8	25.0	28.1		ug/L		112	70 - 137
1,1-Dichloroethene	ND	E8	25.0	30.6		ug/L		122	53 - 150
1,1-Dichloropropene	ND	E8 L5 V1	25.0	34.5	V1	ug/L		138	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	27.1		ug/L		109	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	26.4		ug/L		105	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	29.9		ug/L		120	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	28.6		ug/L		114	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	29.7		ug/L		119	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	24.2		ug/L		97	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	26.7		ug/L		107	67 - 131
1,2-Dichloroethane	ND	E8	25.0	25.2		ug/L		101	58 - 146
1,2-Dichloropropane	ND	E8	25.0	27.4		ug/L		110	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	28.9		ug/L		116	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	26.8		ug/L		107	68 - 130
1,3-Dichloropropane	ND	E8	25.0	26.0		ug/L		104	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	27.0		ug/L		108	68 - 128
2,2-Dichloropropane	ND	E8	25.0	31.2		ug/L		125	54 - 150
2-Butanone (MEK)	ND	E8	25.0	25.3		ug/L		101	10 - 150
2-Chlorotoluene	ND	E8	25.0	28.3		ug/L		113	63 - 132
2-Hexanone	ND	E8	25.0	24.0		ug/L		96	37 - 150
4-Chlorotoluene	ND	E8	25.0	26.8		ug/L		107	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	24.6		ug/L		98	41 - 150
Acetone	ND	E8	25.0	20.7		ug/L		83	10 - 150
Benzene	ND	E8	25.0	25.4		ug/L		102	54 - 142
Bromobenzene	ND	E8	25.0	26.7		ug/L		107	69 - 132
Bromochloromethane	ND	E8	25.0	25.6		ug/L		102	67 - 145
Bromodichloromethane	ND	E8	25.0	28.0		ug/L		112	61 - 143
Bromoform	ND	E8	25.0	26.5		ug/L		106	57 - 142
Bromomethane	ND	E8	25.0	28.8		ug/L		115	56 - 149
Carbon disulfide	ND	E8	25.0	27.9		ug/L		112	48 - 150
Carbon tetrachloride	ND	E8	25.0	29.5		ug/L		118	60 - 143
Chlorobenzene	ND	E8	25.0	26.6		ug/L		106	69 - 129
Chloroethane	ND	E8	25.0	26.2		ug/L		105	60 - 146
Chloroform	ND	E8	25.0	28.6		ug/L		114	69 - 138
Chloromethane	0.81	E4	25.0	29.4		ug/L		114	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128927-B-2 MS
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND	E8	25.0	26.3		ug/L		105	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	27.3		ug/L		109	57 - 145
Chlorodibromomethane	ND	E8	25.0	24.9		ug/L		99	61 - 143
Dibromomethane	ND	E8	25.0	27.3		ug/L		109	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	31.8		ug/L		127	21 - 150
Ethylbenzene	ND	E8	25.0	28.2		ug/L		113	46 - 149
Hexachlorobutadiene	ND	E8	25.0	30.3		ug/L		121	49 - 146
Iodomethane	ND	E8	25.0	26.7		ug/L		107	43 - 150
Isopropylbenzene	ND	E8	25.0	29.5		ug/L		118	56 - 143
m,p-Xylenes	ND	E8	25.0	28.5		ug/L		114	52 - 144
Methylene Chloride	ND	E8	25.0	25.2		ug/L		101	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	25.8		ug/L		103	56 - 148
Naphthalene	ND	E8	25.0	26.5		ug/L		106	47 - 150
n-Butylbenzene	ND	E8	25.0	30.1		ug/L		120	54 - 145
n-Propylbenzene	ND	E8	25.0	28.9		ug/L		116	54 - 144
o-Xylene	ND	E8	25.0	28.3		ug/L		113	55 - 143
p-Isopropyltoluene	ND	E8	25.0	29.4		ug/L		118	53 - 147
sec-Butylbenzene	ND	E8	25.0	30.7		ug/L		123	55 - 145
Styrene	ND	E8	25.0	25.6		ug/L		102	21 - 150
tert-Butylbenzene	ND	E8	25.0	26.8		ug/L		107	57 - 143
Tetrachloroethene	ND	E8	25.0	30.0		ug/L		120	37 - 150
Toluene	ND	E8	25.0	28.8		ug/L		115	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	26.9		ug/L		108	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	27.8		ug/L		111	57 - 147
Trichloroethene	ND	E8	25.0	29.7		ug/L		119	62 - 134
Trichlorofluoromethane	ND	E8	25.0	31.2		ug/L		125	60 - 150
Vinyl acetate	ND	E8	25.0	26.2		ug/L		105	14 - 150
Vinyl chloride	ND	E8	25.0	28.3		ug/L		113	48 - 150
Xylenes, Total	ND	E8	50.0	56.8		ug/L		114	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*110*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 550-128927-C-2 MSD
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.5		ug/L		106	67 - 137	10	35
1,1,1-Trichloroethane	ND	E8	25.0	28.5		ug/L		114	64 - 143	5	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.2		ug/L		105	63 - 136	1	35
1,1,2-Trichloroethane	ND	E8	25.0	26.3		ug/L		105	66 - 137	6	35
1,1-Dichloroethane	ND	E8	25.0	26.4		ug/L		106	70 - 137	6	35
1,1-Dichloroethene	ND	E8	25.0	31.0		ug/L		124	53 - 150	1	35
1,1-Dichloropropene	ND	E8 L5 V1	25.0	28.8	V1	ug/L		115	58 - 141	18	35
1,2,3-Trichlorobenzene	ND	E8	25.0	25.4		ug/L		102	57 - 144	7	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128927-C-2 MSD
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND	E8	25.0	27.2		ug/L		109	60 - 138	3	35
1,2,4-Trichlorobenzene	ND	E8	25.0	25.0		ug/L		100	58 - 140	18	35
1,2,4-Trimethylbenzene	ND	E8	25.0	27.9		ug/L		112	50 - 147	2	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.4		ug/L		102	51 - 143	16	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	26.3		ug/L		105	67 - 136	8	35
1,2-Dichlorobenzene	ND	E8	25.0	25.9		ug/L		104	67 - 131	3	35
1,2-Dichloroethane	ND	E8	25.0	23.5		ug/L		94	58 - 146	7	35
1,2-Dichloropropane	ND	E8	25.0	24.3		ug/L		97	66 - 135	12	35
1,3,5-Trimethylbenzene	ND	E8	25.0	28.4		ug/L		114	50 - 147	2	35
1,3-Dichlorobenzene	ND	E8	25.0	26.2		ug/L		105	68 - 130	2	35
1,3-Dichloropropane	ND	E8	25.0	25.9		ug/L		104	67 - 134	0	35
1,4-Dichlorobenzene	ND	E8	25.0	27.7		ug/L		111	68 - 128	2	35
2,2-Dichloropropane	ND	E8	25.0	29.8		ug/L		119	54 - 150	5	35
2-Butanone (MEK)	ND	E8	25.0	23.3		ug/L		93	10 - 150	8	35
2-Chlorotoluene	ND	E8	25.0	28.3		ug/L		113	63 - 132	0	35
2-Hexanone	ND	E8	25.0	24.4		ug/L		98	37 - 150	2	35
4-Chlorotoluene	ND	E8	25.0	27.7		ug/L		111	66 - 131	3	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	21.8		ug/L		87	41 - 150	12	35
Acetone	ND	E8	25.0	23.0		ug/L		92	10 - 150	11	35
Benzene	ND	E8	25.0	23.0		ug/L		92	54 - 142	10	35
Bromobenzene	ND	E8	25.0	27.4		ug/L		110	69 - 132	3	35
Bromochloromethane	ND	E8	25.0	26.0		ug/L		104	67 - 145	2	35
Bromodichloromethane	ND	E8	25.0	25.6		ug/L		102	61 - 143	9	35
Bromoform	ND	E8	25.0	28.3		ug/L		113	57 - 142	6	35
Bromomethane	ND	E8	25.0	31.3		ug/L		125	56 - 149	8	35
Carbon disulfide	ND	E8	25.0	27.4		ug/L		109	48 - 150	2	35
Carbon tetrachloride	ND	E8	25.0	25.7		ug/L		103	60 - 143	14	35
Chlorobenzene	ND	E8	25.0	27.0		ug/L		108	69 - 129	2	35
Chloroethane	ND	E8	25.0	28.7		ug/L		115	60 - 146	9	35
Chloroform	ND	E8	25.0	26.9		ug/L		108	69 - 138	6	35
Chloromethane	0.81	E4	25.0	30.4		ug/L		118	50 - 150	3	35
cis-1,2-Dichloroethene	ND	E8	25.0	22.2		ug/L		89	65 - 139	17	35
cis-1,3-Dichloropropene	ND	E8	25.0	25.9		ug/L		103	57 - 145	5	35
Chlorodibromomethane	ND	E8	25.0	26.0		ug/L		104	61 - 143	4	35
Dibromomethane	ND	E8	25.0	25.4		ug/L		101	64 - 138	7	35
Dichlorodifluoromethane	ND	E8	25.0	31.3		ug/L		125	21 - 150	2	35
Ethylbenzene	ND	E8	25.0	26.5		ug/L		106	46 - 149	6	35
Hexachlorobutadiene	ND	E8	25.0	28.9		ug/L		116	49 - 146	5	35
Iodomethane	ND	E8	25.0	30.0		ug/L		120	43 - 150	12	35
Isopropylbenzene	ND	E8	25.0	29.0		ug/L		116	56 - 143	2	35
m,p-Xylenes	ND	E8	25.0	26.5		ug/L		106	52 - 144	7	35
Methylene Chloride	ND	E8	25.0	25.1		ug/L		100	66 - 134	0	35
Methyl tert-butyl ether	ND	E8	25.0	26.1		ug/L		104	56 - 148	1	35
Naphthalene	ND	E8	25.0	24.8		ug/L		99	47 - 150	7	35
n-Butylbenzene	ND	E8	25.0	27.4		ug/L		110	54 - 145	9	35
n-Propylbenzene	ND	E8	25.0	28.6		ug/L		114	54 - 144	1	35
o-Xylene	ND	E8	25.0	28.2		ug/L		113	55 - 143	0	35
p-Isopropyltoluene	ND	E8	25.0	27.5		ug/L		110	53 - 147	7	35
sec-Butylbenzene	ND	E8	25.0	28.9		ug/L		116	55 - 145	6	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128927-C-2 MSD
Matrix: Water
Analysis Batch: 188418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND	E8	25.0	24.8		ug/L		99	21 - 150	3	35
tert-Butylbenzene	ND	E8	25.0	25.8		ug/L		103	57 - 143	3	35
Tetrachloroethene	ND	E8	25.0	26.6		ug/L		106	37 - 150	12	35
Toluene	ND	E8	25.0	25.6		ug/L		103	56 - 141	12	35
trans-1,2-Dichloroethene	ND	E8	25.0	27.0		ug/L		108	69 - 136	0	35
trans-1,3-Dichloropropene	ND	E8	25.0	26.8		ug/L		107	57 - 147	4	35
Trichloroethene	ND	E8	25.0	25.1		ug/L		100	62 - 134	17	35
Trichlorofluoromethane	ND	E8	25.0	31.4		ug/L		126	60 - 150	1	35
Vinyl acetate	ND	E8	25.0	24.4	E4	ug/L		98	14 - 150	7	35
Vinyl chloride	ND	E8	25.0	29.3		ug/L		117	48 - 150	4	35
Xylenes, Total	ND	E8	50.0	54.7		ug/L		109	53 - 145	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*111*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: MB 550-188549/7
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/05/19 09:40	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/05/19 09:40	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/05/19 09:40	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 09:40	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/05/19 09:40	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/05/19 09:40	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/05/19 09:40	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/05/19 09:40	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/05/19 09:40	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/05/19 09:40	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/05/19 09:40	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/05/19 09:40	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/05/19 09:40	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/05/19 09:40	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/05/19 09:40	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 09:40	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 09:40	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/05/19 09:40	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/05/19 09:40	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 09:40	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/05/19 09:40	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/05/19 09:40	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/05/19 09:40	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/05/19 09:40	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/05/19 09:40	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/05/19 09:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-188549/7
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	E8	20	7.3	ug/L			09/05/19 09:40	1
Benzene	ND	E8	2.0	0.12	ug/L			09/05/19 09:40	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/05/19 09:40	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/05/19 09:40	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/05/19 09:40	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/05/19 09:40	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/05/19 09:40	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/05/19 09:40	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/05/19 09:40	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/05/19 09:40	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/05/19 09:40	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/05/19 09:40	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/05/19 09:40	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/05/19 09:40	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/05/19 09:40	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/05/19 09:40	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/05/19 09:40	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 09:40	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/05/19 09:40	1
Hexachlorobutadiene	0.400	E4	5.0	0.28	ug/L			09/05/19 09:40	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/05/19 09:40	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/05/19 09:40	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/05/19 09:40	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/05/19 09:40	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/05/19 09:40	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/05/19 09:40	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/05/19 09:40	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/05/19 09:40	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/05/19 09:40	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/05/19 09:40	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/05/19 09:40	1
Styrene	ND	E8	2.0	0.17	ug/L			09/05/19 09:40	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/05/19 09:40	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/05/19 09:40	1
Toluene	ND	E8	2.0	0.28	ug/L			09/05/19 09:40	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/05/19 09:40	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/05/19 09:40	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/05/19 09:40	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/05/19 09:40	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/05/19 09:40	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/05/19 09:40	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/05/19 09:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/05/19 09:40*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/05/19 09:40*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*09/05/19 09:40*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188549/1003
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	22.0		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	70 - 130
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	70 - 130
1,1-Dichloroethane	25.0	25.2		ug/L		101	70 - 130
1,1-Dichloroethene	25.0	25.8		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	23.9		ug/L		96	70 - 130
1,2,3-Trichlorobenzene	25.0	24.1		ug/L		97	70 - 130
1,2,3-Trichloropropane	25.0	25.5		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	70 - 130
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		102	61 - 130
1,2-Dibromoethane (EDB)	25.0	25.1		ug/L		100	70 - 130
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	70 - 130
1,2-Dichloroethane	25.0	19.1		ug/L		76	70 - 130
1,2-Dichloropropane	25.0	22.2		ug/L		89	70 - 130
1,3,5-Trimethylbenzene	25.0	24.6		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130
1,3-Dichloropropane	25.0	25.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		101	70 - 130
2,2-Dichloropropane	25.0	27.7		ug/L		111	70 - 130
2-Butanone (MEK)	25.0	22.4		ug/L		90	50 - 150
2-Chlorotoluene	25.0	25.6		ug/L		102	70 - 130
2-Hexanone	25.0	28.1		ug/L		112	52 - 138
4-Chlorotoluene	25.0	26.1		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	23.2		ug/L		93	64 - 131
Acetone	25.0	18.7	E4	ug/L		75	18 - 150
Benzene	25.0	19.9		ug/L		80	70 - 130
Bromobenzene	25.0	25.3		ug/L		101	70 - 130
Bromochloromethane	25.0	23.5		ug/L		94	70 - 130
Bromodichloromethane	25.0	20.7		ug/L		83	70 - 130
Bromoform	25.0	24.6		ug/L		98	70 - 130
Bromomethane	25.0	25.9		ug/L		103	62 - 136
Carbon disulfide	25.0	25.9		ug/L		104	70 - 130
Carbon tetrachloride	25.0	20.6		ug/L		82	70 - 130
Chlorobenzene	25.0	24.9		ug/L		100	70 - 130
Chloroethane	25.0	25.6		ug/L		102	70 - 130
Chloroform	25.0	24.2		ug/L		97	80 - 120
Chloromethane	25.0	27.4		ug/L		109	64 - 134
cis-1,2-Dichloroethene	25.0	18.5		ug/L		74	70 - 130
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	70 - 130
Chlorodibromomethane	25.0	21.9		ug/L		88	70 - 130
Dibromomethane	25.0	20.6		ug/L		82	70 - 130
Dichlorodifluoromethane	25.0	28.0		ug/L		112	29 - 150
Ethylbenzene	25.0	23.8		ug/L		95	80 - 120
Hexachlorobutadiene	25.0	24.2		ug/L		97	70 - 130
Iodomethane	25.0	24.9		ug/L		100	70 - 136
Isopropylbenzene	25.0	24.4		ug/L		98	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-188549/1003
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylenes	25.0	26.6		ug/L		106	70 - 130
Methylene Chloride	25.0	24.5		ug/L		98	70 - 130
Methyl tert-butyl ether	25.0	25.9		ug/L		104	70 - 132
Naphthalene	25.0	24.9		ug/L		100	70 - 130
n-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
n-Propylbenzene	25.0	25.4		ug/L		102	70 - 130
o-Xylene	25.0	24.8		ug/L		99	70 - 130
p-Isopropyltoluene	25.0	24.6		ug/L		98	70 - 130
sec-Butylbenzene	25.0	25.3		ug/L		101	70 - 130
Styrene	25.0	27.5		ug/L		110	70 - 130
tert-Butylbenzene	25.0	21.7		ug/L		87	70 - 130
Tetrachloroethene	25.0	22.4		ug/L		90	70 - 130
Toluene	25.0	23.1		ug/L		92	80 - 120
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	70 - 130
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	70 - 130
Trichloroethene	25.0	20.3		ug/L		81	70 - 130
Trichlorofluoromethane	25.0	25.3		ug/L		101	70 - 130
Vinyl acetate	25.0	25.9		ug/L		104	63 - 147
Vinyl chloride	25.0	26.9		ug/L		108	70 - 130
Xylenes, Total	50.0	51.4		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 550-188549/4
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.2		ug/L		93	70 - 130	5	20
1,1,1-Trichloroethane	25.0	29.3		ug/L		117	70 - 130	13	20
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130	1	20
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	70 - 130	2	20
1,1-Dichloroethane	25.0	29.0		ug/L		116	70 - 130	14	20
1,1-Dichloroethene	25.0	30.3		ug/L		121	70 - 130	16	20
1,1-Dichloropropene	25.0	24.9		ug/L		100	70 - 130	4	20
1,2,3-Trichlorobenzene	25.0	25.6		ug/L		102	70 - 130	6	20
1,2,3-Trichloropropane	25.0	26.5		ug/L		106	70 - 130	4	20
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 130	5	20
1,2,4-Trimethylbenzene	25.0	25.0		ug/L		100	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	28.1		ug/L		113	61 - 130	10	21
1,2-Dibromoethane (EDB)	25.0	26.1		ug/L		104	70 - 130	4	20
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130	4	20
1,2-Dichloroethane	25.0	19.4		ug/L		78	70 - 130	2	20
1,2-Dichloropropane	25.0	19.7		ug/L		79	70 - 130	12	20
1,3,5-Trimethylbenzene	25.0	24.8		ug/L		99	70 - 130	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188549/4
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	25.0	24.9		ug/L		99	70 - 130	2	20
1,3-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	2	20
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	70 - 130	3	20
2,2-Dichloropropane	25.0	31.2		ug/L		125	70 - 130	12	20
2-Butanone (MEK)	25.0	27.4		ug/L		110	50 - 150	20	34
2-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130	1	20
2-Hexanone	25.0	30.9		ug/L		123	52 - 138	9	29
4-Chlorotoluene	25.0	26.7		ug/L		107	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	25.0	22.1		ug/L		88	64 - 131	5	23
Acetone	25.0	19.1	E4	ug/L		76	18 - 150	2	35
Benzene	25.0	21.2		ug/L		85	70 - 130	6	20
Bromobenzene	25.0	26.3		ug/L		105	70 - 130	4	20
Bromochloromethane	25.0	27.7		ug/L		111	70 - 130	16	20
Bromodichloromethane	25.0	20.1		ug/L		80	70 - 130	3	20
Bromoform	25.0	25.4		ug/L		102	70 - 130	3	20
Bromomethane	25.0	29.7		ug/L		119	62 - 136	14	20
Carbon disulfide	25.0	29.4		ug/L		118	70 - 130	13	20
Carbon tetrachloride	25.0	20.9		ug/L		83	70 - 130	1	20
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130	3	20
Chloroethane	25.0	30.4		ug/L		121	70 - 130	17	20
Chloroform	25.0	28.5		ug/L		114	80 - 120	17	20
Chloromethane	25.0	30.9		ug/L		124	64 - 134	12	20
cis-1,2-Dichloroethene	25.0	19.7		ug/L		79	70 - 130	6	20
cis-1,3-Dichloropropene	25.0	22.0		ug/L		88	70 - 130	7	20
Chlorodibromomethane	25.0	23.2		ug/L		93	70 - 130	6	20
Dibromomethane	25.0	19.8		ug/L		79	70 - 130	4	20
Dichlorodifluoromethane	25.0	30.2		ug/L		121	29 - 150	8	21
Ethylbenzene	25.0	24.9		ug/L		100	80 - 120	5	20
Hexachlorobutadiene	25.0	25.6		ug/L		103	70 - 130	6	20
Iodomethane	25.0	28.4		ug/L		114	70 - 136	13	20
Isopropylbenzene	25.0	24.7		ug/L		99	70 - 130	1	20
m,p-Xylenes	25.0	26.0		ug/L		104	70 - 130	2	20
Methylene Chloride	25.0	28.3		ug/L		113	70 - 130	15	20
Methyl tert-butyl ether	25.0	29.3		ug/L		117	70 - 132	12	20
Naphthalene	25.0	27.3		ug/L		109	70 - 130	9	20
n-Butylbenzene	25.0	25.9		ug/L		104	70 - 130	2	20
n-Propylbenzene	25.0	25.5		ug/L		102	70 - 130	0	20
o-Xylene	25.0	24.9		ug/L		100	70 - 130	0	20
p-Isopropyltoluene	25.0	25.1		ug/L		100	70 - 130	2	20
sec-Butylbenzene	25.0	25.7		ug/L		103	70 - 130	2	20
Styrene	25.0	27.9		ug/L		111	70 - 130	1	20
tert-Butylbenzene	25.0	22.0		ug/L		88	70 - 130	2	20
Tetrachloroethene	25.0	21.8		ug/L		87	70 - 130	3	20
Toluene	25.0	20.2		ug/L		81	80 - 120	13	20
trans-1,2-Dichloroethene	25.0	28.7		ug/L		115	70 - 130	17	20
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 130	0	20
Trichloroethene	25.0	19.2		ug/L		77	70 - 130	6	20
Trichlorofluoromethane	25.0	28.9		ug/L		116	70 - 130	14	20
Vinyl acetate	25.0	28.9		ug/L		116	63 - 147	11	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-188549/4
Matrix: Water
Analysis Batch: 188549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			25.0	30.7		ug/L		123	70 - 130	13	20
Xylenes, Total			50.0	50.9		ug/L		102	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*79*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 550-128836-1 MS
Matrix: Water
Analysis Batch: 188549

Client Sample ID: AVB 122-02-20190826
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1,2-Tetrachloroethane	ND	E8	25.0	21.9		ug/L		87	67 - 137		
1,1,1-Trichloroethane	ND	E8	25.0	22.5		ug/L		90	64 - 143		
1,1,2,2-Tetrachloroethane	ND	E8	25.0	25.6		ug/L		102	63 - 136		
1,1,2-Trichloroethane	ND	E8	25.0	23.8		ug/L		95	66 - 137		
1,1-Dichloroethane	ND	E8	25.0	22.6		ug/L		90	70 - 137		
1,1-Dichloroethene	ND	E8	25.0	23.3		ug/L		93	53 - 150		
1,1-Dichloropropene	ND	E8	25.0	23.4		ug/L		94	58 - 141		
1,2,3-Trichlorobenzene	ND	E8	25.0	24.6		ug/L		98	57 - 144		
1,2,3-Trichloropropane	ND	E8	25.0	25.6		ug/L		103	60 - 138		
1,2,4-Trichlorobenzene	ND	E8	25.0	23.5		ug/L		94	58 - 140		
1,2,4-Trimethylbenzene	ND	E8	25.0	24.6		ug/L		98	50 - 147		
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.7		ug/L		103	51 - 143		
1,2-Dibromoethane (EDB)	ND	E8	25.0	24.7		ug/L		99	67 - 136		
1,2-Dichlorobenzene	ND	E8	25.0	22.6		ug/L		90	67 - 131		
1,2-Dichloroethane	ND	E8	25.0	18.7		ug/L		75	58 - 146		
1,2-Dichloropropane	ND	E8	25.0	22.1		ug/L		88	66 - 135		
1,3,5-Trimethylbenzene	ND	E8	25.0	24.6		ug/L		98	50 - 147		
1,3-Dichlorobenzene	ND	E8	25.0	22.4		ug/L		90	68 - 130		
1,3-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	67 - 134		
1,4-Dichlorobenzene	ND	E8	25.0	23.5		ug/L		94	68 - 128		
2,2-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	54 - 150		
2-Butanone (MEK)	ND	E8	25.0	24.7		ug/L		99	10 - 150		
2-Chlorotoluene	ND	E8	25.0	24.5		ug/L		98	63 - 132		
2-Hexanone	ND	E8	25.0	26.1		ug/L		104	37 - 150		
4-Chlorotoluene	ND	E8	25.0	24.1		ug/L		96	66 - 131		
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	23.0		ug/L		92	41 - 150		
Acetone	ND	E8	25.0	18.0	E4	ug/L		72	10 - 150		
Benzene	ND	E8	25.0	19.8		ug/L		79	54 - 142		
Bromobenzene	ND	E8	25.0	23.8		ug/L		95	69 - 132		
Bromochloromethane	ND	E8	25.0	21.3		ug/L		85	67 - 145		
Bromodichloromethane	ND	E8	25.0	21.4		ug/L		86	61 - 143		
Bromoform	ND	E8	25.0	24.5		ug/L		98	57 - 142		
Bromomethane	ND	E8	25.0	22.1		ug/L		88	56 - 149		
Carbon disulfide	ND	E8	25.0	22.8		ug/L		91	48 - 150		
Carbon tetrachloride	ND	E8	25.0	19.8		ug/L		79	60 - 143		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-1 MS
Matrix: Water
Analysis Batch: 188549

Client Sample ID: AVB 122-02-20190826
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	ND	E8	25.0	22.7		ug/L		91	69 - 129
Chloroethane	ND	E8	25.0	21.7		ug/L		87	60 - 146
Chloroform	0.80	E4	25.0	22.5		ug/L		87	69 - 138
Chloromethane	ND	E8	25.0	22.7		ug/L		91	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	18.0		ug/L		72	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	24.3		ug/L		97	57 - 145
Chlorodibromomethane	ND	E8	25.0	21.9		ug/L		87	61 - 143
Dibromomethane	ND	E8	25.0	21.2		ug/L		85	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	23.9		ug/L		96	21 - 150
Ethylbenzene	ND	E8	25.0	22.0		ug/L		88	46 - 149
Hexachlorobutadiene	ND	E8	25.0	27.6		ug/L		110	49 - 146
Iodomethane	ND	E8	25.0	21.8		ug/L		87	43 - 150
Isopropylbenzene	ND	E8	25.0	24.7		ug/L		99	56 - 143
m,p-Xylenes	ND	E8	25.0	25.2		ug/L		101	52 - 144
Methylene Chloride	ND	E8	25.0	21.4		ug/L		85	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	23.7		ug/L		95	56 - 148
Naphthalene	ND	E8	25.0	26.1		ug/L		104	47 - 150
n-Butylbenzene	ND	E8	25.0	25.8		ug/L		103	54 - 145
n-Propylbenzene	ND	E8	25.0	25.1		ug/L		100	54 - 144
o-Xylene	ND	E8	25.0	24.7		ug/L		99	55 - 143
p-Isopropyltoluene	ND	E8	25.0	24.8		ug/L		99	53 - 147
sec-Butylbenzene	ND	E8	25.0	26.6		ug/L		106	55 - 145
Styrene	ND	E8	25.0	25.1		ug/L		100	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.1		ug/L		93	57 - 143
Tetrachloroethene	1.4	E4	25.0	22.8		ug/L		86	37 - 150
Toluene	ND	E8	25.0	22.0		ug/L		88	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	21.8		ug/L		87	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	25.8		ug/L		103	57 - 147
Trichloroethene	0.65	E4	25.0	21.3		ug/L		83	62 - 134
Trichlorofluoromethane	ND	E8	25.0	23.4		ug/L		94	60 - 150
Vinyl acetate	ND	E8	25.0	26.1		ug/L		104	14 - 150
Vinyl chloride	ND	E8	25.0	23.5		ug/L		94	48 - 150
Xylenes, Total	ND	E8	50.0	49.9		ug/L		100	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 550-128836-1 MSD
Matrix: Water
Analysis Batch: 188549

Client Sample ID: AVB 122-02-20190826
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	23.6		ug/L		94	67 - 137	8	35
1,1,1-Trichloroethane	ND	E8	25.0	26.4		ug/L		106	64 - 143	16	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.3		ug/L		105	63 - 136	3	35
1,1,2-Trichloroethane	ND	E8	25.0	24.9		ug/L		100	66 - 137	5	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-1 MSD
Matrix: Water
Analysis Batch: 188549

Client Sample ID: AVB 122-02-20190826
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND	E8	25.0	26.7		ug/L		107	70 - 137	17	35
1,1-Dichloroethene	ND	E8	25.0	27.7		ug/L		111	53 - 150	17	35
1,1-Dichloropropene	ND	E8	25.0	26.3		ug/L		105	58 - 141	12	35
1,2,3-Trichlorobenzene	ND	E8	25.0	20.8		ug/L		83	57 - 144	17	35
1,2,3-Trichloropropane	ND	E8	25.0	26.7		ug/L		107	60 - 138	4	35
1,2,4-Trichlorobenzene	ND	E8	25.0	20.4		ug/L		81	58 - 140	14	35
1,2,4-Trimethylbenzene	ND	E8	25.0	26.7		ug/L		107	50 - 147	8	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.1		ug/L		100	51 - 143	2	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	27.1		ug/L		108	67 - 136	9	35
1,2-Dichlorobenzene	ND	E8	25.0	25.1		ug/L		101	67 - 131	11	35
1,2-Dichloroethane	ND	E8	25.0	20.2		ug/L		81	58 - 146	8	35
1,2-Dichloropropane	ND	E8	25.0	24.1		ug/L		96	66 - 135	9	35
1,3,5-Trimethylbenzene	ND	E8	25.0	26.4		ug/L		106	50 - 147	7	35
1,3-Dichlorobenzene	ND	E8	25.0	26.4		ug/L		106	68 - 130	16	35
1,3-Dichloropropane	ND	E8	25.0	26.3		ug/L		105	67 - 134	6	35
1,4-Dichlorobenzene	ND	E8	25.0	26.3		ug/L		105	68 - 128	11	35
2,2-Dichloropropane	ND	E8	25.0	29.0		ug/L		116	54 - 150	16	35
2-Butanone (MEK)	ND	E8	25.0	25.5		ug/L		102	10 - 150	3	35
2-Chlorotoluene	ND	E8	25.0	27.2		ug/L		109	63 - 132	10	35
2-Hexanone	ND	E8	25.0	28.8		ug/L		115	37 - 150	10	35
4-Chlorotoluene	ND	E8	25.0	27.9		ug/L		112	66 - 131	15	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	24.6		ug/L		99	41 - 150	7	35
Acetone	ND	E8	25.0	18.1	E4	ug/L		73	10 - 150	1	35
Benzene	ND	E8	25.0	21.7		ug/L		87	54 - 142	9	35
Bromobenzene	ND	E8	25.0	26.2		ug/L		105	69 - 132	9	35
Bromochloromethane	ND	E8	25.0	24.8		ug/L		99	67 - 145	15	35
Bromodichloromethane	ND	E8	25.0	22.5		ug/L		90	61 - 143	5	35
Bromoform	ND	E8	25.0	25.4		ug/L		102	57 - 142	4	35
Bromomethane	ND	E8	25.0	26.7		ug/L		107	56 - 149	19	35
Carbon disulfide	ND	E8	25.0	26.7		ug/L		107	48 - 150	16	35
Carbon tetrachloride	ND	E8	25.0	22.0		ug/L		88	60 - 143	10	35
Chlorobenzene	ND	E8	25.0	26.1		ug/L		105	69 - 129	14	35
Chloroethane	ND	E8	25.0	24.9		ug/L		100	60 - 146	14	35
Chloroform	0.80	E4	25.0	26.1		ug/L		101	69 - 138	15	35
Chloromethane	ND	E8	25.0	27.2		ug/L		109	50 - 150	18	35
cis-1,2-Dichloroethene	ND	E8	25.0	20.2		ug/L		81	65 - 139	11	35
cis-1,3-Dichloropropene	ND	E8	25.0	25.3		ug/L		101	57 - 145	4	35
Chlorodibromomethane	ND	E8	25.0	24.1		ug/L		96	61 - 143	10	35
Dibromomethane	ND	E8	25.0	22.3		ug/L		89	64 - 138	5	35
Dichlorodifluoromethane	ND	E8	25.0	27.6		ug/L		110	21 - 150	14	35
Ethylbenzene	ND	E8	25.0	25.5		ug/L		102	46 - 149	14	35
Hexachlorobutadiene	ND	E8	25.0	21.7		ug/L		87	49 - 146	24	35
Iodomethane	ND	E8	25.0	25.4		ug/L		101	43 - 150	15	35
Isopropylbenzene	ND	E8	25.0	26.3		ug/L		105	56 - 143	6	35
m,p-Xylenes	ND	E8	25.0	27.6		ug/L		111	52 - 144	9	35
Methylene Chloride	ND	E8	25.0	24.7		ug/L		99	66 - 134	15	35
Methyl tert-butyl ether	ND	E8	25.0	25.8		ug/L		103	56 - 148	8	35
Naphthalene	ND	E8	25.0	21.9		ug/L		88	47 - 150	17	35
n-Butylbenzene	ND	E8	25.0	27.7		ug/L		111	54 - 145	7	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128836-1 MSD — **Client Sample ID: AVB 122-02-20190826**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 188549

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
n-Propylbenzene	ND	E8	25.0	27.3		ug/L		109	54 - 144	8	35
o-Xylene	ND	E8	25.0	26.6		ug/L		106	55 - 143	7	35
p-Isopropyltoluene	ND	E8	25.0	26.6		ug/L		106	53 - 147	7	35
sec-Butylbenzene	ND	E8	25.0	27.7		ug/L		111	55 - 145	4	35
Styrene	ND	E8	25.0	29.1		ug/L		116	21 - 150	15	35
tert-Butylbenzene	ND	E8	25.0	24.1		ug/L		97	57 - 143	4	35
Tetrachloroethene	1.4	E4	25.0	25.1		ug/L		95	37 - 150	9	35
Toluene	ND	E8	25.0	24.4		ug/L		98	56 - 141	10	35
trans-1,2-Dichloroethene	ND	E8	25.0	25.6		ug/L		102	69 - 136	16	35
trans-1,3-Dichloropropene	ND	E8	25.0	26.9		ug/L		108	57 - 147	4	35
Trichloroethene	0.65	E4	25.0	23.1		ug/L		90	62 - 134	8	35
Trichlorofluoromethane	ND	E8	25.0	27.1		ug/L		108	60 - 150	15	35
Vinyl acetate	ND	E8	25.0	28.6		ug/L		115	14 - 150	9	35
Vinyl chloride	ND	E8	25.0	27.5		ug/L		110	48 - 150	16	35
Xylenes, Total	ND	E8	50.0	54.2		ug/L		108	53 - 145	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 550-189412/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 189412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/12/19 17:21	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/12/19 17:21	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/12/19 17:21	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/12/19 17:21	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/12/19 17:21	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/12/19 17:21	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/12/19 17:21	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/12/19 17:21	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/12/19 17:21	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/12/19 17:21	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/12/19 17:21	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/12/19 17:21	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/12/19 17:21	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/12/19 17:21	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/12/19 17:21	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/12/19 17:21	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/12/19 17:21	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/12/19 17:21	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/12/19 17:21	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/12/19 17:21	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/12/19 17:21	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/12/19 17:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-189412/5
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/12/19 17:21	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/12/19 17:21	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/12/19 17:21	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/12/19 17:21	1
Acetone	ND	E8	20	7.3	ug/L			09/12/19 17:21	1
Benzene	ND	E8	2.0	0.12	ug/L			09/12/19 17:21	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/12/19 17:21	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/12/19 17:21	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/12/19 17:21	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/12/19 17:21	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/12/19 17:21	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/12/19 17:21	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/12/19 17:21	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/12/19 17:21	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/12/19 17:21	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/12/19 17:21	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/12/19 17:21	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/12/19 17:21	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/12/19 17:21	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/12/19 17:21	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/12/19 17:21	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/12/19 17:21	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/12/19 17:21	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/12/19 17:21	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/12/19 17:21	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/12/19 17:21	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/12/19 17:21	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/12/19 17:21	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/12/19 17:21	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/12/19 17:21	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/12/19 17:21	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/12/19 17:21	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/12/19 17:21	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/12/19 17:21	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/12/19 17:21	1
Styrene	ND	E8	2.0	0.17	ug/L			09/12/19 17:21	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/12/19 17:21	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/12/19 17:21	1
Toluene	ND	E8	2.0	0.28	ug/L			09/12/19 17:21	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/12/19 17:21	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/12/19 17:21	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/12/19 17:21	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/12/19 17:21	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/12/19 17:21	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/12/19 17:21	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/12/19 17:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-189412/5
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		70 - 130		09/12/19 17:21	1
Toluene-d8 (Surr)	96		70 - 130		09/12/19 17:21	1
4-Bromofluorobenzene (Surr)	99		70 - 130		09/12/19 17:21	1

Lab Sample ID: LCS 550-189412/3
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.3		ug/L		101	70 - 130
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.5		ug/L		106	70 - 130
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	70 - 130
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,1-Dichloroethene	25.0	25.9		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	26.0		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	25.0	27.8		ug/L		111	70 - 130
1,2,3-Trichloropropane	25.0	25.9		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	25.0	27.6		ug/L		110	70 - 130
1,2,4-Trimethylbenzene	25.0	25.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.6		ug/L		106	61 - 130
1,2-Dibromoethane (EDB)	25.0	25.5		ug/L		102	70 - 130
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,2-Dichloroethane	25.0	25.6		ug/L		102	70 - 130
1,2-Dichloropropane	25.0	25.9		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	25.0	25.7		ug/L		103	70 - 130
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	26.5		ug/L		106	70 - 130
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130
2,2-Dichloropropane	25.0	26.6		ug/L		106	70 - 130
2-Butanone (MEK)	25.0	27.9		ug/L		112	50 - 150
2-Chlorotoluene	25.0	25.5		ug/L		102	70 - 130
2-Hexanone	25.0	27.1		ug/L		108	52 - 138
4-Chlorotoluene	25.0	25.6		ug/L		102	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	27.4		ug/L		109	64 - 131
Acetone	25.0	30.9		ug/L		124	18 - 150
Benzene	25.0	25.5		ug/L		102	70 - 130
Bromobenzene	25.0	25.6		ug/L		102	70 - 130
Bromochloromethane	25.0	24.7		ug/L		99	70 - 130
Bromodichloromethane	25.0	26.0		ug/L		104	70 - 130
Bromoform	25.0	27.9		ug/L		111	70 - 130
Bromomethane	25.0	24.7		ug/L		99	62 - 136
Carbon disulfide	25.0	25.4		ug/L		102	70 - 130
Carbon tetrachloride	25.0	26.3		ug/L		105	70 - 130
Chlorobenzene	25.0	25.4		ug/L		102	70 - 130
Chloroethane	25.0	26.3		ug/L		105	70 - 130
Chloroform	25.0	25.6		ug/L		102	80 - 120
Chloromethane	25.0	25.2		ug/L		101	64 - 134

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-189412/3
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	70 - 130
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	70 - 130
Chlorodibromomethane	25.0	25.6		ug/L		102	70 - 130
Dibromomethane	25.0	26.6		ug/L		106	70 - 130
Dichlorodifluoromethane	25.0	23.1		ug/L		92	29 - 150
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	26.6		ug/L		106	70 - 130
Iodomethane	25.0	26.1		ug/L		104	70 - 136
Isopropylbenzene	25.0	26.0		ug/L		104	70 - 130
m,p-Xylenes	25.0	26.0		ug/L		104	70 - 130
Methylene Chloride	25.0	24.2		ug/L		97	70 - 130
Methyl tert-butyl ether	25.0	26.4		ug/L		106	70 - 132
Naphthalene	25.0	28.5		ug/L		114	70 - 130
n-Butylbenzene	25.0	25.9		ug/L		104	70 - 130
n-Propylbenzene	25.0	25.8		ug/L		103	70 - 130
o-Xylene	25.0	25.7		ug/L		103	70 - 130
p-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130
sec-Butylbenzene	25.0	25.7		ug/L		103	70 - 130
Styrene	25.0	26.0		ug/L		104	70 - 130
tert-Butylbenzene	25.0	25.7		ug/L		103	70 - 130
Tetrachloroethene	25.0	25.8		ug/L		103	70 - 130
Toluene	25.0	25.8		ug/L		103	80 - 120
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	70 - 130
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	70 - 130
Trichloroethene	25.0	25.6		ug/L		103	70 - 130
Trichlorofluoromethane	25.0	25.0		ug/L		100	70 - 130
Vinyl acetate	25.0	25.2		ug/L		101	63 - 147
Vinyl chloride	25.0	25.8		ug/L		103	70 - 130
Xylenes, Total	50.0	51.7		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 550-189412/4
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.5		ug/L		102	70 - 130	1	20
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 130	3	20
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	70 - 130	2	20
1,1-Dichloroethane	25.0	26.2		ug/L		105	70 - 130	1	20
1,1-Dichloroethene	25.0	25.5		ug/L		102	70 - 130	1	20
1,1-Dichloropropene	25.0	26.5		ug/L		106	70 - 130	2	20
1,2,3-Trichlorobenzene	25.0	27.1		ug/L		108	70 - 130	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-189412/4
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	25.0	24.8		ug/L		99	70 - 130	5	20
1,2,4-Trichlorobenzene	25.0	26.8		ug/L		107	70 - 130	3	20
1,2,4-Trimethylbenzene	25.0	26.0		ug/L		104	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	26.3		ug/L		105	61 - 130	1	21
1,2-Dibromoethane (EDB)	25.0	25.4		ug/L		102	70 - 130	0	20
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	70 - 130	0	20
1,2-Dichloroethane	25.0	25.8		ug/L		103	70 - 130	1	20
1,2-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	0	20
1,3,5-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130	1	20
1,3-Dichloropropane	25.0	26.2		ug/L		105	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	0	20
2,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	5	20
2-Butanone (MEK)	25.0	25.7		ug/L		103	50 - 150	8	34
2-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130	2	20
2-Hexanone	25.0	25.8		ug/L		103	52 - 138	5	29
4-Chlorotoluene	25.0	25.7		ug/L		103	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	25.0	26.1		ug/L		104	64 - 131	5	23
Acetone	25.0	29.9		ug/L		120	18 - 150	3	35
Benzene	25.0	25.6		ug/L		102	70 - 130	0	20
Bromobenzene	25.0	26.1		ug/L		104	70 - 130	2	20
Bromochloromethane	25.0	24.9		ug/L		100	70 - 130	1	20
Bromodichloromethane	25.0	26.2		ug/L		105	70 - 130	1	20
Bromoform	25.0	28.1		ug/L		112	70 - 130	1	20
Bromomethane	25.0	24.2		ug/L		97	62 - 136	2	20
Carbon disulfide	25.0	25.2		ug/L		101	70 - 130	1	20
Carbon tetrachloride	25.0	26.4		ug/L		105	70 - 130	0	20
Chlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chloroethane	25.0	25.5		ug/L		102	70 - 130	3	20
Chloroform	25.0	25.4		ug/L		102	80 - 120	1	20
Chloromethane	25.0	24.7		ug/L		99	64 - 134	2	20
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	26.1		ug/L		105	70 - 130	0	20
Chlorodibromomethane	25.0	25.3		ug/L		101	70 - 130	1	20
Dibromomethane	25.0	25.2		ug/L		101	70 - 130	5	20
Dichlorodifluoromethane	25.0	22.5		ug/L		90	29 - 150	3	21
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120	0	20
Hexachlorobutadiene	25.0	26.5		ug/L		106	70 - 130	1	20
Iodomethane	25.0	26.0		ug/L		104	70 - 136	0	20
Isopropylbenzene	25.0	26.5		ug/L		106	70 - 130	2	20
m,p-Xylenes	25.0	26.5		ug/L		106	70 - 130	2	20
Methylene Chloride	25.0	23.7		ug/L		95	70 - 130	2	20
Methyl tert-butyl ether	25.0	25.2		ug/L		101	70 - 132	5	20
Naphthalene	25.0	27.3		ug/L		109	70 - 130	4	20
n-Butylbenzene	25.0	26.3		ug/L		105	70 - 130	1	20
n-Propylbenzene	25.0	26.4		ug/L		106	70 - 130	2	20
o-Xylene	25.0	26.5		ug/L		106	70 - 130	3	20
p-Isopropyltoluene	25.0	26.0		ug/L		104	70 - 130	2	20
sec-Butylbenzene	25.0	26.2		ug/L		105	70 - 130	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-189412/4
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene			25.0	26.4		ug/L		106	70 - 130	2	20
tert-Butylbenzene			25.0	26.1		ug/L		104	70 - 130	2	20
Tetrachloroethene			25.0	25.7		ug/L		103	70 - 130	0	20
Toluene			25.0	26.1		ug/L		104	80 - 120	1	20
trans-1,2-Dichloroethene			25.0	25.8		ug/L		103	70 - 130	1	20
trans-1,3-Dichloropropene			25.0	26.5		ug/L		106	70 - 130	2	20
Trichloroethene			25.0	26.4		ug/L		106	70 - 130	3	20
Trichlorofluoromethane			25.0	25.0		ug/L		100	70 - 130	0	20
Vinyl acetate			25.0	25.2		ug/L		101	63 - 147	0	20
Vinyl chloride			25.0	25.3		ug/L		101	70 - 130	2	20
Xylenes, Total			50.0	53.0		ug/L		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 550-128870-C-1 MS
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	25.7		ug/L		103	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	26.4		ug/L		105	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.0		ug/L		104	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	26.8		ug/L		107	66 - 137
1,1-Dichloroethane	ND	E8	25.0	26.8		ug/L		107	70 - 137
1,1-Dichloroethene	ND	E8	25.0	26.9		ug/L		108	53 - 150
1,1-Dichloropropene	ND	E8	25.0	26.4		ug/L		106	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	28.7		ug/L		115	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	25.5		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	28.0		ug/L		112	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	25.6		ug/L		103	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.7		ug/L		107	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.6		ug/L		102	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	25.7		ug/L		103	67 - 131
1,2-Dichloroethane	ND	E8	25.0	26.7		ug/L		107	58 - 146
1,2-Dichloropropane	ND	E8	25.0	26.1		ug/L		105	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	25.5		ug/L		102	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	25.6		ug/L		103	68 - 130
1,3-Dichloropropane	ND	E8	25.0	26.8		ug/L		107	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	25.7		ug/L		103	68 - 128
2,2-Dichloropropane	ND	E8	25.0	26.7		ug/L		107	54 - 150
2-Butanone (MEK)	ND	E8	25.0	27.3		ug/L		109	10 - 150
2-Chlorotoluene	ND	E8	25.0	25.4		ug/L		101	63 - 132
2-Hexanone	ND	E8	25.0	26.2		ug/L		105	37 - 150
4-Chlorotoluene	ND	E8	25.0	25.8		ug/L		103	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	26.3		ug/L		105	41 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128870-C-1 MS
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	E8	25.0	22.9		ug/L		92	10 - 150
Benzene	ND	E8	25.0	26.0		ug/L		104	54 - 142
Bromobenzene	ND	E8	25.0	26.3		ug/L		105	69 - 132
Bromochloromethane	ND	E8	25.0	25.6		ug/L		102	67 - 145
Bromodichloromethane	ND	E8	25.0	26.2		ug/L		105	61 - 143
Bromoform	ND	E8	25.0	27.9		ug/L		112	57 - 142
Bromomethane	ND	E8	25.0	25.4		ug/L		102	56 - 149
Carbon disulfide	ND	E8	25.0	26.1		ug/L		104	48 - 150
Carbon tetrachloride	ND	E8	25.0	26.3		ug/L		105	60 - 143
Chlorobenzene	ND	E8	25.0	25.6		ug/L		103	69 - 129
Chloroethane	ND	E8	25.0	26.7		ug/L		107	60 - 146
Chloroform	ND	E8	25.0	26.3		ug/L		105	69 - 138
Chloromethane	ND	E8	25.0	25.9		ug/L		104	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	26.3		ug/L		105	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	26.5		ug/L		106	57 - 145
Chlorodibromomethane	ND	E8	25.0	25.7		ug/L		103	61 - 143
Dibromomethane	ND	E8	25.0	26.4		ug/L		106	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	24.0		ug/L		96	21 - 150
Ethylbenzene	ND	E8	25.0	25.5		ug/L		102	46 - 149
Hexachlorobutadiene	ND	E8	25.0	27.0		ug/L		108	49 - 146
Iodomethane	ND	E8	25.0	26.8		ug/L		107	43 - 150
Isopropylbenzene	ND	E8	25.0	25.7		ug/L		103	56 - 143
m,p-Xylenes	ND	E8	25.0	25.8		ug/L		103	52 - 144
Methylene Chloride	ND	E8	25.0	24.4		ug/L		97	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	26.7		ug/L		107	56 - 148
Naphthalene	ND	E8	25.0	28.6		ug/L		114	47 - 150
n-Butylbenzene	ND	E8	25.0	26.0		ug/L		104	54 - 145
n-Propylbenzene	ND	E8	25.0	25.9		ug/L		104	54 - 144
o-Xylene	ND	E8	25.0	25.8		ug/L		103	55 - 143
p-Isopropyltoluene	ND	E8	25.0	25.8		ug/L		103	53 - 147
sec-Butylbenzene	ND	E8	25.0	25.7		ug/L		103	55 - 145
Styrene	ND	E8	25.0	26.0		ug/L		104	21 - 150
tert-Butylbenzene	ND	E8	25.0	25.2		ug/L		101	57 - 143
Tetrachloroethene	ND	E8	25.0	26.0		ug/L		104	37 - 150
Toluene	ND	E8	25.0	25.8		ug/L		103	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	26.3		ug/L		105	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	27.0		ug/L		108	57 - 147
Trichloroethene	ND	E8	25.0	25.7		ug/L		103	62 - 134
Trichlorofluoromethane	ND	E8	25.0	25.7		ug/L		103	60 - 150
Vinyl acetate	ND	E8	25.0	27.6		ug/L		110	14 - 150
Vinyl chloride	ND	E8	25.0	26.6		ug/L		106	48 - 150
Xylenes, Total	ND	E8	50.0	51.6		ug/L		103	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128870-C-1 MSD
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.4		ug/L		106	67 - 137	3	35
1,1,1-Trichloroethane	ND	E8	25.0	26.3		ug/L		105	64 - 143	0	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		104	63 - 136	1	35
1,1,2-Trichloroethane	ND	E8	25.0	26.7		ug/L		107	66 - 137	0	35
1,1-Dichloroethane	ND	E8	25.0	26.8		ug/L		107	70 - 137	0	35
1,1-Dichloroethene	ND	E8	25.0	27.1		ug/L		108	53 - 150	1	35
1,1-Dichloropropene	ND	E8	25.0	26.6		ug/L		106	58 - 141	1	35
1,2,3-Trichlorobenzene	ND	E8	25.0	27.7		ug/L		111	57 - 144	4	35
1,2,3-Trichloropropane	ND	E8	25.0	25.7		ug/L		103	60 - 138	1	35
1,2,4-Trichlorobenzene	ND	E8	25.0	26.8		ug/L		107	58 - 140	4	35
1,2,4-Trimethylbenzene	ND	E8	25.0	25.7		ug/L		103	50 - 147	0	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.2		ug/L		101	51 - 143	6	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.8		ug/L		103	67 - 136	1	35
1,2-Dichlorobenzene	ND	E8	25.0	25.2		ug/L		101	67 - 131	2	35
1,2-Dichloroethane	ND	E8	25.0	26.3		ug/L		105	58 - 146	1	35
1,2-Dichloropropane	ND	E8	25.0	26.2		ug/L		105	66 - 135	0	35
1,3,5-Trimethylbenzene	ND	E8	25.0	25.4		ug/L		102	50 - 147	0	35
1,3-Dichlorobenzene	ND	E8	25.0	25.4		ug/L		102	68 - 130	1	35
1,3-Dichloropropane	ND	E8	25.0	26.8		ug/L		107	67 - 134	0	35
1,4-Dichlorobenzene	ND	E8	25.0	25.2		ug/L		101	68 - 128	2	35
2,2-Dichloropropane	ND	E8	25.0	26.7		ug/L		107	54 - 150	0	35
2-Butanone (MEK)	ND	E8	25.0	25.9		ug/L		104	10 - 150	5	35
2-Chlorotoluene	ND	E8	25.0	25.4		ug/L		101	63 - 132	0	35
2-Hexanone	ND	E8	25.0	26.0		ug/L		104	37 - 150	1	35
4-Chlorotoluene	ND	E8	25.0	25.3		ug/L		101	66 - 131	2	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	26.3		ug/L		105	41 - 150	0	35
Acetone	ND	E8	25.0	26.8		ug/L		107	10 - 150	16	35
Benzene	ND	E8	25.0	26.0		ug/L		104	54 - 142	0	35
Bromobenzene	ND	E8	25.0	26.1		ug/L		104	69 - 132	1	35
Bromochloromethane	ND	E8	25.0	25.3		ug/L		101	67 - 145	1	35
Bromodichloromethane	ND	E8	25.0	26.5		ug/L		106	61 - 143	1	35
Bromoform	ND	E8	25.0	28.5		ug/L		114	57 - 142	2	35
Bromomethane	ND	E8	25.0	25.5		ug/L		102	56 - 149	0	35
Carbon disulfide	ND	E8	25.0	26.0		ug/L		104	48 - 150	0	35
Carbon tetrachloride	ND	E8	25.0	26.5		ug/L		106	60 - 143	1	35
Chlorobenzene	ND	E8	25.0	25.5		ug/L		102	69 - 129	1	35
Chloroethane	ND	E8	25.0	26.8		ug/L		107	60 - 146	0	35
Chloroform	ND	E8	25.0	26.2		ug/L		105	69 - 138	0	35
Chloromethane	ND	E8	25.0	26.0		ug/L		104	50 - 150	0	35
cis-1,2-Dichloroethene	ND	E8	25.0	26.5		ug/L		106	65 - 139	1	35
cis-1,3-Dichloropropene	ND	E8	25.0	26.3		ug/L		105	57 - 145	1	35
Chlorodibromomethane	ND	E8	25.0	25.7		ug/L		103	61 - 143	0	35
Dibromomethane	ND	E8	25.0	26.1		ug/L		104	64 - 138	1	35
Dichlorodifluoromethane	ND	E8	25.0	24.2		ug/L		97	21 - 150	1	35
Ethylbenzene	ND	E8	25.0	25.5		ug/L		102	46 - 149	0	35
Hexachlorobutadiene	ND	E8	25.0	26.3		ug/L		105	49 - 146	3	35
Iodomethane	ND	E8	25.0	26.6		ug/L		107	43 - 150	1	35
Isopropylbenzene	ND	E8	25.0	25.9		ug/L		103	56 - 143	0	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-128870-C-1 MSD
Matrix: Water
Analysis Batch: 189412

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylenes	ND	E8	25.0	25.8		ug/L		103	52 - 144	0	35
Methylene Chloride	ND	E8	25.0	24.6		ug/L		99	66 - 134	1	35
Methyl tert-butyl ether	ND	E8	25.0	26.2		ug/L		105	56 - 148	2	35
Naphthalene	ND	E8	25.0	28.2		ug/L		113	47 - 150	1	35
n-Butylbenzene	ND	E8	25.0	25.5		ug/L		102	54 - 145	2	35
n-Propylbenzene	ND	E8	25.0	25.9		ug/L		104	54 - 144	0	35
o-Xylene	ND	E8	25.0	26.0		ug/L		104	55 - 143	0	35
p-Isopropyltoluene	ND	E8	25.0	25.5		ug/L		102	53 - 147	1	35
sec-Butylbenzene	ND	E8	25.0	25.8		ug/L		103	55 - 145	0	35
Styrene	ND	E8	25.0	25.7		ug/L		103	21 - 150	1	35
tert-Butylbenzene	ND	E8	25.0	25.3		ug/L		101	57 - 143	0	35
Tetrachloroethene	ND	E8	25.0	25.6		ug/L		103	37 - 150	1	35
Toluene	ND	E8	25.0	25.9		ug/L		103	56 - 141	0	35
trans-1,2-Dichloroethene	ND	E8	25.0	26.1		ug/L		104	69 - 136	1	35
trans-1,3-Dichloropropene	ND	E8	25.0	26.8		ug/L		107	57 - 147	1	35
Trichloroethene	ND	E8	25.0	26.4		ug/L		105	62 - 134	3	35
Trichlorofluoromethane	ND	E8	25.0	25.9		ug/L		104	60 - 150	1	35
Vinyl acetate	ND	E8	25.0	25.6		ug/L		102	14 - 150	8	35
Vinyl chloride	ND	E8	25.0	26.1		ug/L		104	48 - 150	2	35
Xylenes, Total	ND	E8	50.0	51.8		ug/L		104	53 - 145	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

QC Association Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

GC/MS VOA

Analysis Batch: 188311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-10	AVB 85-01-20190828	Total/NA	Water	8260B	
550-128836-11	AVB 124-01-20190828	Total/NA	Water	8260B	
MB 550-188311/11	Method Blank	Total/NA	Water	8260B	
LCS 550-188311/8	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-188311/10	Lab Control Sample Dup	Total/NA	Water	8260B	
550-128728-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-128728-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 188377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-13	AVB 116-01-20190828	Total/NA	Water	8260B	
550-128836-14	AVB 134-01-20190828	Total/NA	Water	8260B	
550-128836-15	AVB 134-02-20190828	Total/NA	Water	8260B	
550-128836-16	AVB 72-01-20190828	Total/NA	Water	8260B	
550-128836-17	AVB 116-02-20190829	Total/NA	Water	8260B	
MB 550-188377/5	Method Blank	Total/NA	Water	8260B	
LCS 550-188377/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-188377/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-128836-13 MS	AVB 116-01-20190828	Total/NA	Water	8260B	
550-128836-13 MSD	AVB 116-01-20190828	Total/NA	Water	8260B	

Analysis Batch: 188379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-18	AVB 132-01-20190829	Total/NA	Water	8260B	
550-128836-19	AVB 95-01-20190829	Total/NA	Water	8260B	
550-128836-20	AVB 95-02-20190829	Total/NA	Water	8260B	
MB 550-188379/6	Method Blank	Total/NA	Water	8260B	
LCS 550-188379/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-188379/5	Lab Control Sample Dup	Total/NA	Water	8260B	
550-128836-18 MS	AVB 132-01-20190829	Total/NA	Water	8260B	
550-128836-18 MSD	AVB 132-01-20190829	Total/NA	Water	8260B	

Analysis Batch: 188418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-10	AVB 85-01-20190828	Total/NA	Water	8260B	
550-128836-11	AVB 124-01-20190828	Total/NA	Water	8260B	
550-128836-12	AVB 123-01-20190828	Total/NA	Water	8260B	
550-128836-18	AVB 132-01-20190829	Total/NA	Water	8260B	
550-128836-19	AVB 95-01-20190829	Total/NA	Water	8260B	
550-128836-20	AVB 95-02-20190829	Total/NA	Water	8260B	
MB 550-188418/7	Method Blank	Total/NA	Water	8260B	
LCS 550-188418/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-188418/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-128927-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
550-128927-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 188549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-1	AVB 122-02-20190826	Total/NA	Water	8260B	
550-128836-2	AVB 122-01-20190826	Total/NA	Water	8260B	
550-128836-3	AVB 121-01-20190827	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 188549 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-4	AVB 128-01-20190827	Total/NA	Water	8260B	
550-128836-5	AVB 117-01-20190827	Total/NA	Water	8260B	
550-128836-6	AVB 94-02-20190827	Total/NA	Water	8260B	
550-128836-7	AVB 130-01-20190827	Total/NA	Water	8260B	
550-128836-8	AVB 92-02-20190827	Total/NA	Water	8260B	
550-128836-9	AVB 125-01-20190828	Total/NA	Water	8260B	
550-128836-21	AVB 120-03-20190829	Total/NA	Water	8260B	
550-128836-22	AVB 96-02-20190829	Total/NA	Water	8260B	
550-128836-23	DUP-01-20190829	Total/NA	Water	8260B	
550-128836-24	AVB 68-04-20190829	Total/NA	Water	8260B	
550-128836-25	Trip Blank	Total/NA	Water	8260B	
550-128836-26	AVB 86-01-20190830	Total/NA	Water	8260B	
MB 550-188549/7	Method Blank	Total/NA	Water	8260B	
LCS 550-188549/1003	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-188549/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-128836-1 MS	AVB 122-02-20190826	Total/NA	Water	8260B	
550-128836-1 MSD	AVB 122-02-20190826	Total/NA	Water	8260B	

Analysis Batch: 189412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-128836-27	AVB 87-01-20190830	Total/NA	Water	8260B	
MB 550-189412/5	Method Blank	Total/NA	Water	8260B	
LCS 550-189412/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-189412/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-128870-C-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-128870-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 122-02-20190826 — Lab Sample ID: 550-128836-1

Date Collected: 08/26/19 13:49 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 10:08	R1K	TAL PHX

Client Sample ID: AVB 122-01-20190826 — Lab Sample ID: 550-128836-2

Date Collected: 08/26/19 14:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 11:05	R1K	TAL PHX

Client Sample ID: AVB 121-01-20190827 — Lab Sample ID: 550-128836-3

Date Collected: 08/27/19 09:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 11:33	R1K	TAL PHX

Client Sample ID: AVB 128-01-20190827 — Lab Sample ID: 550-128836-4

Date Collected: 08/27/19 10:30 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 12:01	R1K	TAL PHX

Client Sample ID: AVB 117-01-20190827 — Lab Sample ID: 550-128836-5

Date Collected: 08/27/19 11:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 12:29	R1K	TAL PHX

Client Sample ID: AVB 94-02-20190827 — Lab Sample ID: 550-128836-6

Date Collected: 08/27/19 11:30 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 12:57	R1K	TAL PHX

Client Sample ID: AVB 130-01-20190827 — Lab Sample ID: 550-128836-7

Date Collected: 08/27/19 12:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 13:25	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 92-02-20190827 — Lab Sample ID: 550-128836-8

Date Collected: 08/27/19 12:45 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 13:54	R1K	TAL PHX

Client Sample ID: AVB 125-01-20190828 — Lab Sample ID: 550-128836-9

Date Collected: 08/28/19 06:53 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 14:22	R1K	TAL PHX

Client Sample ID: AVB 85-01-20190828 — Lab Sample ID: 550-128836-10

Date Collected: 08/28/19 07:57 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188311	09/03/19 19:12	TC1	TAL PHX
Total/NA	Analysis	8260B		1	188418	09/04/19 17:02	TC1	TAL PHX

Client Sample ID: AVB 124-01-20190828 — Lab Sample ID: 550-128836-11

Date Collected: 08/28/19 08:40 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188311	09/03/19 19:38	TC1	TAL PHX
Total/NA	Analysis	8260B		1	188418	09/04/19 17:30	TC1	TAL PHX

Client Sample ID: AVB 123-01-20190828 — Lab Sample ID: 550-128836-12

Date Collected: 08/28/19 09:06 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188418	09/04/19 17:58	TC1	TAL PHX

Client Sample ID: AVB 116-01-20190828 — Lab Sample ID: 550-128836-13

Date Collected: 08/28/19 09:40 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188377	09/04/19 05:06	R1K	TAL PHX

Client Sample ID: AVB 134-01-20190828 — Lab Sample ID: 550-128836-14

Date Collected: 08/28/19 12:05 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188377	09/04/19 10:41	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 134-02-20190828 — Lab Sample ID: 550-128836-15

Date Collected: 08/28/19 12:15 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188377	09/04/19 11:12	R1K	TAL PHX

Client Sample ID: AVB 72-01-20190828 — Lab Sample ID: 550-128836-16

Date Collected: 08/28/19 12:47 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188377	09/04/19 11:42	R1K	TAL PHX

Client Sample ID: AVB 116-02-20190829 — Lab Sample ID: 550-128836-17

Date Collected: 08/29/19 06:12 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188377	09/04/19 12:13	R1K	TAL PHX

Client Sample ID: AVB 132-01-20190829 — Lab Sample ID: 550-128836-18

Date Collected: 08/29/19 07:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188379	09/04/19 01:04	R1K	TAL PHX
Total/NA	Analysis	8260B		1	188418	09/04/19 18:26	TC1	TAL PHX

Client Sample ID: AVB 95-01-20190829 — Lab Sample ID: 550-128836-19

Date Collected: 08/29/19 07:30 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188379	09/04/19 02:21	R1K	TAL PHX
Total/NA	Analysis	8260B		1	188418	09/04/19 18:54	TC1	TAL PHX

Client Sample ID: AVB 95-02-20190829 — Lab Sample ID: 550-128836-20

Date Collected: 08/29/19 07:40 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188379	09/04/19 02:47	R1K	TAL PHX
Total/NA	Analysis	8260B		1	188418	09/04/19 19:22	TC1	TAL PHX

Client Sample ID: AVB 120-03-20190829 — Lab Sample ID: 550-128836-21

Date Collected: 08/29/19 08:15 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 14:50	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Client Sample ID: AVB 96-02-20190829 — Lab Sample ID: 550-128836-22

Date Collected: 08/29/19 09:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 15:18	R1K	TAL PHX

Client Sample ID: DUP-01-20190829 — Lab Sample ID: 550-128836-23

Date Collected: 08/29/19 10:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 15:46	R1K	TAL PHX

Client Sample ID: AVB 68-04-20190829 — Lab Sample ID: 550-128836-24

Date Collected: 08/29/19 11:10 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 16:14	R1K	TAL PHX

Client Sample ID: Trip Blank — Lab Sample ID: 550-128836-25

Date Collected: 08/26/19 08:00 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 16:42	R1K	TAL PHX

Client Sample ID: AVB 86-01-20190830 — Lab Sample ID: 550-128836-26

Date Collected: 08/30/19 08:30 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	188549	09/05/19 17:10	R1K	TAL PHX

Client Sample ID: AVB 87-01-20190830 — Lab Sample ID: 550-128836-27

Date Collected: 08/30/19 09:40 — **Matrix: Water**
Date Received: 08/30/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	189412	09/12/19 19:34	TC1	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-128836-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
5030C	Purge and Trap	SW846	TAL PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

128836

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashlock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.3
Client Contact: Mr. Tom McKeon	Phone: 805 410 70357	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~8 of 29~~ 1 of 3
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Moste@calibre.com roy.ashlock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

550-128836 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A	A		
AUB 122-02-20190826	8/26/19	1349	grab	Water			X		3 VOAs -01
AUB 122-01-20190826	8/26/19	1400		Water			X		3 VOAs -02
AUB 121-01-20190827	8/27/19	0900		Water			X		3 VOAs -03
AUB 128-01 20190827	8/27/19	1030		Water			X		3 VOAs -04
AUB 117-01-20190827	8/27/19	1100		Water			X		3 VOAs -05
AUB 94-02-20190827	8/27/19	1130		Water			X		3 VOAs -06
AUB 130-01-20190827	8/27/19	1200		Water			X		3 VOAs -07
AUB 92-02-20190827	8/27/19	1245		Water			X		3 VOAs -08
AUB 125-01-20190828	8/28/19	0653		Water			X		3 VOAs -09
AUB 85-01-20190828	8/28/19	0757		Water			X		3 VOAs -10
AUB 124-01-20190828	8/28/19	0840		Water			X		3 VOAs -11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Ashlock	8/30/19 1120	Calibre			
				8-30-19 1120	TAPHT

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: (1.8°C) CUD

Ver: 01/16/2019

9/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

(28836

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashlock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.4
Client Contact: Mr. Tom McKeon	Phone: 605 407 0357	E-Mail: mary.charlson@testamericainc.com		Page: ~~Page 4 of 26~~ 2 of 3
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Nestea@calibre.com roy.ashlock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AUB 173-01-20190828	8/28/19	0900	grab	Water			3		-12
AUB 116-01-20190828	8/28/19	0940		Water			3		-13
AUB 134-01-20190828	8/28/19	1205		Water			3		-14
AUB 134-02-20190828	8/28/19	1215		Water			3		-15
AUB 72-01-20190828	8/28/19	1247		Water			3		-16
AUB 116-02-20190829	8/29/19	0612		Water			3		-17
AUB 172-01-20190829	8/29/19	0700		Water			3		-18
AUB 95-01-20190829	8/29/19	0730		Water			3		-19
AUB 95-02-20190829	8/29/19	0740		Water			3		-20
AUB 170-03-20190829	8/29/19	0815		Water			3		-21
AUB 96-02-20190829	8/29/19	0900		Water			3		-22

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	8/30/19 1120	Calibre	[signature]		
			[signature]	8-30-19 1120	TAPH

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks:

Ver: 01/16/2019

9/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

128836

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashlock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.5
Client Contact: Mr. Tom McKeon	Phone: 805 407 0357	E-Mail: mary.charlson@testamericainc.com		Page: ~~Page 3 of 20~~ 3 of 3
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com justin.nosse@calibre.com roy.ashlock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	8260 VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
Dup-01-20190829	8/29/19	1000	grab	Water				3		-23
AvB 68-04-20190829	8/29/19	1110	grab	Water				3		-24
Trip Blank	8/26/19	0800	grab	Water				1		-25
AvB 86-01-20190830	8/30/19	0830	grab	Water				3		-26
AvB 87-01-20190830	8/30/19	0940	grab	Water				3		-27
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Ash	8/30/19 1120	Calibre			
				8-30-19 1120	TAPHX

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s)°C and Other Remarks:

Ver: 01/16/2019

9/16/2019

Login Sample Receipt Checklist

Client: Calibre Systems, Inc.

Job Number: 550-128836-1

Login Number: 128836
List Number: 1
Creator: Doerr, Bret C

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

ADEQ QAPP 2017) Partial Data Validation Checklist (from Table D1 of QAPP)
http://static.azdeq.gov/wqarf/qaprp.pdf

West Van Buren Data Package J130039-1, Report Dated 10/9/2019 33 groundwater samples analyzed for volatile organic compounds by EPA Method 8260B
Reviewed by Roy Ashlock, CALIBRE Systems Inc. 10/11/2019, Betty Van Pelt 11/20/2019

Criteria	**Notes**	**Result**
Holding times	Check Case Narrative	Samples collected on 9/17 to 9/19, delivered to lab on 9/20, therefore met holding times. AVB 68-03 (550-130039-4) was collected in properly preserved vial; however, the Ph was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: The results will be reported with a N1 qualifier, see analytical batch 550-190957. There was headspace in samples AVB 126 and AVB 69-01. Data are N1 qualified.
Calibration	Check Case Narrative, review calibration data	The continuing calibration verification (CCVIS) for analytical batch 550-191042 recovered high outside control limits for Dibromofluoromethane. Associated QC and samples had acceptable recoveries; (CCVIS 550-191042/4).
Blanks	Check Case Narrative, review blanks data	**Sample** **Analyte** **Results** Trip Blank No detections in the trip blank PDB Blank-20190917 Acetone 82 ug/L Acetone is a common laboratory contaminant; is often detected in source water blanks for passive diffusion bags (PDBs). All detections of Acetone are B4 qualified. Based on the concentration in the PDB source blank; acetone is considered not detected.
Surrogate recovery	Check Case Narrative, review surrogate data	Surrogates recovered outside project specific limits in the matrix spike (MS) for batch 550-191042. All other recoveries for 4-Bromofluorobenzene and Dibromofluoromethane in the batch QC and samples were within acceptance limits.
Matrix spike and matrix spike duplicate recovery	Check Case Narrative, review MS/MSDs	Matrix spike (MS) and matrix spike duplicate (MSD) for batch 550-190280 recovered outside control limits high for the following analytes: Acetone and 2-Butanone (MEK). There were no detections in the associated samples. The MS/MSD and source sample have been flagged with an N1 qualifier: (550-130039-B-20 MS) and (550-130039-C-20 MSD). Matrix spike duplicate (MSD) for batch 550-190260 recovered outside control limits high for the following analytes: Acetone and 2-Butanone.

		There were no detections in the associated samples. The MS/MSD and source sample have been flagged with an N1 qualifier: AVB 129-02-20190917 (550-130039-3) and (550-130039-C-3 MSD).
Laboratory control sample or blank spike	Check Case Narrative, review LCS and or blank spikes	The laboratory control sample (LCS), laboratory control sample duplicate (LCSD) for batch 550-190260 recovered outside control limits high for the following analytes: Acetone and 2-Butanone. There were no detections in the associated samples. The LCS/LCSD and samples have been flagged with an L5 qualifier. The laboratory control sample (LCS), laboratory control sample duplicate (LCSD) for batch 550-190280 recovered outside control limits high for the following analytes: Acetone and 2-Butanone (MEK). There were no detections in the associated samples. The LCS/LCSD and samples have been flagged with an L5 qualifier.
Internal standard performance	Check Case Narrative	No internal standards were associated with this batch.
Field duplicate sample analysis Field duplicate sample analysis	Calculate relative percent difference for all field dupes Calculate relative percent difference for all field dupes	The original sample was AVB-127-01, the duplicate sample is DUP-02. The original samples was AVB 124-02, the duplicate sample is DUP-03. **Sample** / **Analyte** / **Result** / **Units** AVB 127-01-20190917: 1,1-Dichloroethane 3.8 ug/L; 1,1- Dichloroethene 6.3 ug/L; Acetone 69 ug/L; Chloroform 2.2 ug/L; cis-1,2-Dichloroethene 9.7 ug/L; Tetrachloroethene 2.9 ug/L; Trichloroethene 60 ug/L; Trichlorofluoromethane 0.42 ug/L E4 **Analyte** / **RPD** / **Units** 1,1-Dichloroethane 4.0 ug/L 1,1-Dichloroethene 6.3 ug/L 2-Butanone (MEK) 5.3 ug/L E4 Acetone 73 ug/L Chloroform 2.2 ug/L cis-1,2-Dichloroethene 10 ug/L Tetrachloroethene 2.7 ug/L Trichloroethene 59 ug/L Trichlorofluoromethane 0.41 ug/L E4

		Sample AVB 124-02-20190919 **Analyte** 2-Butanone, Acetone, Trichloroethene **Result** 3.8, 51, 0.42 **Units** ug/L E4, ug/L, ug/L E4 **Analyte** 2-Butanone (MEK), Acetone, Trichloroethene **RPD** 4.9, 46, 0.43 **Units** ug/L E4, ug/L, ug/L **See Relative Percent Table below.**
Temperature	Check Case Narrative	Samples received at 1.2 degrees C, below the criteria of 4 degrees C.
Overall assessment of data for an SDG	Any reason to reject data or perform full validation ?	The data are acceptable for site characterization purposes.

West Van Buren
Date: October 11, 2019
Relative Percent Difference Calculations
Data Package: J130039

Analyte	AVB 127-01 **Results µg/L**	Dup-02 **Results µg/L**	**RPD**

1,1-Dichloroethane	3.8	4.0	-5.1%
1,1- Dichloroethene	6.3	6.3	0.0%
Acetone	69	73	-5.6%
Chloroform	2.2	2.2	0.0%
cis-1,2-Dichloroethene	9.7	10	-3.0%
Tetrachloroethene	2.9	2.7	7.1%
Trichloroethene	60	59	1.7%
Trichlorofluoromethane	0.42	0.41	2.4%

Analyte	AVB 124-02 **Results µg/L**	Dup-03 **Results µg/L**	**RPD**
2- Butanone	3.8	4.9	25.3%
Acetone	51	46	10.3%
Trichloroethene	0.42	0.43	2.4%

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-130039-1
Client Project/Site: West Van Buren
Revision: 1

For:
Calibre Systems, Inc.
16935 South East 39th Street
Bellevue, Washington 98008

Attn: Mr. Tom McKeon

Authorized for release by:
10/9/2019 4:24:43 PM

Mary Charlson, Project Manager I
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 12
Surrogate Summary 72
QC Sample Results 75
QC Association Summary 129
Lab Chronicle 132
Certification Summary 138
Method Summary 139
Chain of Custody 140
Receipt Checklists 148

Definitions/Glossary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
D2	Sample required dilution due to high concentration of analyte.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
L5	The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
N1	See case narrative.
R1	RPD/RSD exceeded the method acceptance limit. See case narrative.
R13	MS/MSD RPD exceeded the method acceptance limit. Matrix spike recovery was outside acceptance criteria. Batch precision and accuracy were demonstrated.
R4	MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
S7	Surrogate recovery was below laboratory acceptance limits and method acceptance limits. Unable to confirm matrix effect.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 550-130039-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-130039-1

Revision
This report was revised on 10/9/19 to make a corrected to the sample IDs. This final report replaces the report generated on 10/9/19 at 3:09 pm.

Comments
No additional comments.

Receipt
The samples were received on 9/20/2019 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions
The container label collection dates did not match the collection dates listed on the Chain of Custody (COC); a revised COC was provided.

GC/MS VOA
Method(s) 8260B: All surrogates recovered outside project specific limits in the matrix spike (MS) for batch 550-190260. All other recoveries for surrogates in the batch QC and samples were within acceptance limits.

Method(s) 8260B: Surrogates recovered outside project specific limits in the matrix spike (MS) for batch 550-191042. All other recoveries for 4-Bromofluorobenzene and Dibromofluoromethane in the batch QC and samples were within acceptance limits.

Method(s) 8260B: The laboratory control sample (LCS), laboratory control sample duplicate (LCSD) and matrix spike duplicate (MSD) for batch 550-190260 recovered outside control limits high for the following analytes: Acetone and 2-Butanone. There were no detections in the associated samples. The LCS/LCSD and samples have been flagged with an L5 qualifier. The MS/MSD and source sample have been flagged with an N1 qualifier: AVB 129-02-20190917 (550-130039-3) and (550-130039-C-3 MSD).

Method(s) 8260B: The laboratory control sample (LCS), laboratory control sample duplicate (LCSD), matrix spike (MS) and matrix spike duplicate (MSD) for batch 550-190280 recovered outside control limits high for the following analytes: Acetone and 2-Butanone (MEK). There were no detections in the associated samples. The LCS/LCSD and samples have been flagged with an L5 qualifier. The MS/MSD and source sample have been flagged with an N1 qualifier: (550-130039-B-20 MS) and (550-130039-C-20 MSD).

Method(s) 8260B: The % Recovery (%R); as well as, RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for 550-190280 recovered outside control limits, high, for the following analyte: 1,2-Dibromo-3-Chloropropane. There were no detections in the associated samples; therefore data has been reported. The results were not impacted; therefore, will be reported. The LCS/LCSD and samples will be flagged with an L5 and R1 qualifier.

Method(s) 8260B: The following sample was re-analyzed with headspace in the sample vial: AVB 129-02-20190917 (550-130039-3). The sample was re-analyzed with headspace, results from all runs confirm therefore the re-analysis will be reported with an N1 qualifier, see analytical batch 550-190673.

Method(s) 8260B: The following samples were re-analyzed with headspace in the sample vial: AVB 126-02-20190917 (550-130039-15) and AVB 69-01-20190919 (550-130039-33). The results will be reported with a N1 qualifier, see analytical batch 550-191042.

Method(s) 8260B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: AVB 68-03-20190919 (550-130039-34).The results will be reported with a N1 qualifier, see analytical batch 550-190957.

Method(s) 8260B: The continuing calibration verification (CCVIS) for analytical batch 550-191042 recovered high outside control limits for Dibromofluoromethane. Associated QC and samples had acceptable recoveries: (CCVIS 550-191042/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 550-130039-1 (Continued)

Laboratory: Eurofins TestAmerica, Phoenix (Continued)

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-130039-1	Trip Blank	Water	09/17/19 08:00	09/20/19 10:15	
550-130039-2	AVB 141-01-20190917	Water	09/17/19 09:30	09/20/19 10:15	
550-130039-3	AVB 129-02-20190917	Water	09/17/19 10:15	09/20/19 10:15	
550-130039-4	AVB 129-01-20190917	Water	09/17/19 10:30	09/20/19 10:15	
550-130039-5	AVB 91-03-20190917	Water	09/17/19 11:00	09/20/19 10:15	
550-130039-6	AVB 91-02-20190917	Water	09/17/19 11:10	09/20/19 10:15	
550-130039-7	AVB 98-01-20190917	Water	09/17/19 11:30	09/20/19 10:15	
550-130039-8	AVB 71-01-20190917	Water	09/17/19 12:00	09/20/19 10:15	
550-130039-9	AVB 81-01-20190917	Water	09/17/19 12:15	09/20/19 10:15	
550-130039-10	AVB 137-01-20190917	Water	09/17/19 13:00	09/20/19 10:15	
550-130039-11	AVB 122-03-20190917	Water	09/17/19 13:40	09/20/19 10:15	
550-130039-12	AVB 136-01-20190917	Water	09/17/19 14:15	09/20/19 10:15	
550-130039-13	AVB 127-01-20190917	Water	09/17/19 15:00	09/20/19 10:15	
550-130039-14	AVB 126-03-20190917	Water	09/17/19 15:30	09/20/19 10:15	
550-130039-15	AVB 126-02-20190917	Water	09/17/19 15:40	09/20/19 10:15	
550-130039-16	AVB 126-01-20190917	Water	09/17/19 15:50	09/20/19 10:15	
550-130039-17	DUP-02-20190917	Water	09/17/19 16:00	09/20/19 10:15	
550-130039-18	PDB Blank-20190917	Water	09/17/19 16:15	09/20/19 10:15	
550-130039-19	AVB 78-01-20190918	Water	09/18/19 06:45	09/20/19 10:15	
550-130039-20	AVB 78-02-20190918	Water	09/18/19 07:00	09/20/19 10:15	
550-130039-21	AVB 78-03-20190918	Water	09/18/19 07:15	09/20/19 10:15	
550-130039-22	AVB 139-01-20190919	Water	09/19/19 07:00	09/20/19 10:15	
550-130039-23	AVB 135-01-20190919	Water	09/19/19 07:45	09/20/19 10:15	
550-130039-24	AVB 120-02-20190919	Water	09/19/19 08:40	09/20/19 10:15	
550-130039-25	AVB 120-01-20190919	Water	09/19/19 09:00	09/20/19 10:15	
550-130039-26	AVB 121-02-20190919	Water	09/19/19 09:30	09/20/19 10:15	
550-130039-27	AVB 132-02-20190919	Water	09/19/19 10:15	09/20/19 10:15	
550-130039-28	AVB 115-01-20190919	Water	09/19/19 10:45	09/20/19 10:15	
550-130039-29	AVB 124-02-20190919	Water	09/19/19 11:15	09/20/19 10:15	
550-130039-30	AVB 133-01-20190919	Water	09/19/19 11:50	09/20/19 10:15	
550-130039-31	DUP-03-20190919	Water	09/19/19 12:00	09/20/19 10:15	
550-130039-32	AVB 83-01-20190919	Water	09/19/19 12:40	09/20/19 10:15	
550-130039-33	AVB 69-01-20190919	Water	09/19/19 12:20	09/20/19 10:15	
550-130039-34	AVB 68-03-20190919	Water	09/19/19 13:30	09/20/19 10:15	
550-130039-35	AVB 68-01-20190919	Water	09/19/19 13:45	09/20/19 10:15	
550-130039-36	AVB 131-01-20190919	Water	09/19/19 14:25	09/20/19 10:15	

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-130039-1

No Detections.

Client Sample ID: AVB 141-01-20190917 — Lab Sample ID: 550-130039-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.6	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	47		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.15	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Trichloroethene	0.93	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 129-02-20190917 — Lab Sample ID: 550-130039-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.9	E4 N1	10	2.2	ug/L	1		8260B	Total/NA
Acetone	54	N1	20	7.3	ug/L	1		8260B	Total/NA
Bromodichloromethane	5.6	M2 R13	2.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	6.5	M2 R13	2.0	0.13	ug/L	1		8260B	Total/NA
Chlorodibromomethane	3.7	M2 R13	2.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 129-01-20190917 — Lab Sample ID: 550-130039-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 91-03-20190917 — Lab Sample ID: 550-130039-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	31		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 91-02-20190917 — Lab Sample ID: 550-130039-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.69	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Acetone	33		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.64	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.29	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	4.1		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.4		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 98-01-20190917 — Lab Sample ID: 550-130039-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 71-01-20190917 — Lab Sample ID: 550-130039-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	38		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 81-01-20190917 — Lab Sample ID: 550-130039-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	45		20	7.3	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 137-01-20190917 — Lab Sample ID: 550-130039-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 122-03-20190917 — Lab Sample ID: 550-130039-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.3	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	64		20	7.3	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.82	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.1	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 136-01-20190917 — Lab Sample ID: 550-130039-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.78	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.1	E4	5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	5.3	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	64		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.71	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.9	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.4		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	10		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 127-01-20190917 — Lab Sample ID: 550-130039-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.8		2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	6.3		5.0	0.23	ug/L	1		8260B	Total/NA
Acetone	69		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	2.2		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	9.7		2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.9		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	60		2.0	0.24	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.42	E4	5.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 126-03-20190917 — Lab Sample ID: 550-130039-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.5	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	94		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 126-02-20190917 — Lab Sample ID: 550-130039-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.3	E4	5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	6.1	E4	10	2.2	ug/L	1		8260B	Total/NA
Chloroform	0.90	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.36	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	6.1		2.0	0.24	ug/L	1		8260B	Total/NA
Acetone - DL	89	D2 N1	40	15	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 126-01-20190917 — Lab Sample ID: 550-130039-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	63		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	1.1	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.60	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.8	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	3.0		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: DUP-02-20190917 — Lab Sample ID: 550-130039-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.0		2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	6.3		5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	5.3	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	73		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	2.2		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	10		2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.7		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	59		2.0	0.24	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.41	E4	5.0	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: PDB Blank-20190917 — Lab Sample ID: 550-130039-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	82		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 78-01-20190918 — Lab Sample ID: 550-130039-19

No Detections.

Client Sample ID: AVB 78-02-20190918 — Lab Sample ID: 550-130039-20

No Detections.

Client Sample ID: AVB 78-03-20190918 — Lab Sample ID: 550-130039-21

No Detections.

Client Sample ID: AVB 139-01-20190919 — Lab Sample ID: 550-130039-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.8	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	94		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 135-01-20190919 — Lab Sample ID: 550-130039-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.9	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	80		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 120-02-20190919 — Lab Sample ID: 550-130039-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.4	E4	5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	5.4	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	57		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	3.0		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.41	E4	2.0	0.21	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 120-02-20190919 (Continued) — Lab Sample ID: 550-130039-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.6	E4	5.0	0.15	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.8		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	75		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 120-01-20190919 — Lab Sample ID: 550-130039-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.0		2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.3	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Acetone	10	E4 L5 V1	20	7.3	ug/L	1		8260B	Total/NA
Chloroform	3.9		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	9.4		2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.1		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	72		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 121-02-20190919 — Lab Sample ID: 550-130039-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	8.4	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	75		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 132-02-20190919 — Lab Sample ID: 550-130039-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.53	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0	E4	5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	4.1	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	52		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.39	E4	2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.7	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.5		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	17		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 115-01-20190919 — Lab Sample ID: 550-130039-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.73	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.4	E4	5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	5.8	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	92		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	2.1		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.6		2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.59	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	16		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 124-02-20190919 — Lab Sample ID: 550-130039-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.8	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	51		20	7.3	ug/L	1		8260B	Total/NA
Trichloroethene	0.42	E4	2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 133-01-20190919 — Lab Sample ID: 550-130039-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	51		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.34	E4	2.0	0.13	ug/L	1		8260B	Total/NA

Client Sample ID: DUP-03-20190919 — Lab Sample ID: 550-130039-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.9	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	46		20	7.3	ug/L	1		8260B	Total/NA
Trichloroethene	0.43	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 83-01-20190919 — Lab Sample ID: 550-130039-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	46		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.73	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.2		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	3.8		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 69-01-20190919 — Lab Sample ID: 550-130039-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.4	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone - DL	110	D2 N1	40	15	ug/L	2		8260B	Total/NA

Client Sample ID: AVB 68-03-20190919 — Lab Sample ID: 550-130039-34

No Detections.

Client Sample ID: AVB 68-01-20190919 — Lab Sample ID: 550-130039-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.76	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.68	E4	5.0	0.23	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	4.7	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	61		20	7.3	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.30	E4	2.0	0.21	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 131-01-20190919 — Lab Sample ID: 550-130039-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	39		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	5.1		2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.27	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.41	E4	2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: Trip Blank

Lab Sample ID: 550-130039-1

Date Collected: 09/17/19 08:00
Date Received: 09/20/19 10:15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/21/19 23:51	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/21/19 23:51	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/21/19 23:51	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/21/19 23:51	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/21/19 23:51	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/21/19 23:51	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/21/19 23:51	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/21/19 23:51	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/21/19 23:51	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/21/19 23:51	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/21/19 23:51	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/21/19 23:51	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/21/19 23:51	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/21/19 23:51	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/21/19 23:51	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/21/19 23:51	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/21/19 23:51	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/21/19 23:51	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/21/19 23:51	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/21/19 23:51	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/21/19 23:51	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/21/19 23:51	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/21/19 23:51	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/21/19 23:51	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/21/19 23:51	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/21/19 23:51	1
Acetone	ND	E8 L5 V1	20	7.3	ug/L			09/21/19 23:51	1
Benzene	ND	E8	2.0	0.12	ug/L			09/21/19 23:51	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/21/19 23:51	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/21/19 23:51	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/21/19 23:51	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/21/19 23:51	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/21/19 23:51	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/21/19 23:51	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/21/19 23:51	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/21/19 23:51	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/21/19 23:51	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/21/19 23:51	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/21/19 23:51	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/21/19 23:51	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/21/19 23:51	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/21/19 23:51	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/21/19 23:51	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/21/19 23:51	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/21/19 23:51	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/21/19 23:51	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/21/19 23:51	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/21/19 23:51	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/21/19 23:51	1

Client Sample ID: Trip Blank

Lab Sample ID: 550-130039-1
Matrix: Water

Date Collected: 09/17/19 08:00
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/21/19 23:51	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/21/19 23:51	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/21/19 23:51	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/21/19 23:51	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/21/19 23:51	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/21/19 23:51	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/21/19 23:51	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/21/19 23:51	1
Styrene	ND	E8	2.0	0.17	ug/L			09/21/19 23:51	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/21/19 23:51	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/21/19 23:51	1
Toluene	ND	E8	2.0	0.28	ug/L			09/21/19 23:51	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/21/19 23:51	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/21/19 23:51	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/21/19 23:51	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/21/19 23:51	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/21/19 23:51	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/21/19 23:51	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/21/19 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/21/19 23:51*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*09/21/19 23:51*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/21/19 23:51*	*1*

Client Sample ID: AVB 141-01-20190917

Lab Sample ID: 550-130039-2
Matrix: Water

Date Collected: 09/17/19 09:30
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/24/19 22:01	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/24/19 22:01	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/24/19 22:01	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/24/19 22:01	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/24/19 22:01	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/24/19 22:01	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/24/19 22:01	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/24/19 22:01	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/24/19 22:01	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/24/19 22:01	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/24/19 22:01	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/24/19 22:01	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/24/19 22:01	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/24/19 22:01	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/24/19 22:01	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/24/19 22:01	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/24/19 22:01	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/24/19 22:01	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/24/19 22:01	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 141-01-20190917

Lab Sample ID: 550-130039-2

Date Collected: 09/17/19 09:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/24/19 22:01	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/24/19 22:01	1
2-Butanone (MEK)	**6.6**	**E4**	10	2.2	ug/L			09/24/19 22:01	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/24/19 22:01	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/24/19 22:01	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/24/19 22:01	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/24/19 22:01	1
Acetone	**47**		20	7.3	ug/L			09/24/19 22:01	1
Benzene	ND	E8	2.0	0.12	ug/L			09/24/19 22:01	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/24/19 22:01	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/24/19 22:01	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/24/19 22:01	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/24/19 22:01	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/24/19 22:01	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/24/19 22:01	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/24/19 22:01	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/24/19 22:01	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/24/19 22:01	1
Chloroform	**0.15**	**E4**	2.0	0.13	ug/L			09/24/19 22:01	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/24/19 22:01	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/24/19 22:01	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/24/19 22:01	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/24/19 22:01	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/24/19 22:01	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/24/19 22:01	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/24/19 22:01	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/24/19 22:01	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/24/19 22:01	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/24/19 22:01	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/24/19 22:01	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/24/19 22:01	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/24/19 22:01	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/24/19 22:01	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/24/19 22:01	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/24/19 22:01	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/24/19 22:01	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/24/19 22:01	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/24/19 22:01	1
Styrene	ND	E8	2.0	0.17	ug/L			09/24/19 22:01	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/24/19 22:01	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/24/19 22:01	1
Toluene	ND	E8	2.0	0.28	ug/L			09/24/19 22:01	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/24/19 22:01	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/24/19 22:01	1
Trichloroethene	**0.93**	**E4**	2.0	0.24	ug/L			09/24/19 22:01	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/24/19 22:01	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/24/19 22:01	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/24/19 22:01	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/24/19 22:01	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 141-01-20190917

Lab Sample ID: 550-130039-2
Date Collected: 09/17/19 09:30
Matrix: Water
Date Received: 09/20/19 10:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/24/19 22:01*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*09/24/19 22:01*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/24/19 22:01*	*1*

Client Sample ID: AVB 129-02-20190917

Lab Sample ID: 550-130039-3
Date Collected: 09/17/19 10:15
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8 M2 R13	5.0	0.35	ug/L			09/21/19 23:23	1
1,1,1-Trichloroethane	ND	E8 M2 R13	2.0	0.15	ug/L			09/21/19 23:23	1
1,1,2,2-Tetrachloroethane	ND	E8 M2 R13	2.0	0.33	ug/L			09/21/19 23:23	1
1,1,2-Trichloroethane	ND	E8 M2 R13	2.0	0.31	ug/L			09/21/19 23:23	1
1,1-Dichloroethane	ND	E8 M2 R13	2.0	0.14	ug/L			09/21/19 23:23	1
1,1-Dichloroethene	ND	E8 M2 R13	5.0	0.23	ug/L			09/21/19 23:23	1
1,1-Dichloropropene	ND	E8 M2 R13	2.0	0.20	ug/L			09/21/19 23:23	1
1,2,3-Trichlorobenzene	ND	E8 M2 R13	5.0	0.45	ug/L			09/21/19 23:23	1
1,2,3-Trichloropropane	ND	E8 M2 R13	10	0.78	ug/L			09/21/19 23:23	1
1,2,4-Trichlorobenzene	ND	E8 M2 R13	5.0	0.32	ug/L			09/21/19 23:23	1
1,2,4-Trimethylbenzene	ND	E8 M2 R13	2.0	0.25	ug/L			09/21/19 23:23	1
1,2-Dibromo-3-Chloropropane	ND	E8 M2 R13	5.0	0.82	ug/L			09/21/19 23:23	1
1,2-Dibromoethane (EDB)	ND	E8 M2 R13	2.0	0.30	ug/L			09/21/19 23:23	1
1,2-Dichlorobenzene	ND	E8 M2 R13	2.0	0.22	ug/L			09/21/19 23:23	1
1,2-Dichloroethane	ND	E8 M2 R13	2.0	0.31	ug/L			09/21/19 23:23	1
1,2-Dichloropropane	ND	E8 M2 R13	2.0	0.23	ug/L			09/21/19 23:23	1
1,3,5-Trimethylbenzene	ND	E8 M2 R13	2.0	0.21	ug/L			09/21/19 23:23	1
1,3-Dichlorobenzene	ND	E8 M2 R13	2.0	0.14	ug/L			09/21/19 23:23	1
1,3-Dichloropropane	ND	E8 M2 R13	2.0	0.23	ug/L			09/21/19 23:23	1
1,4-Dichlorobenzene	ND	E8 M2 R13	2.0	0.17	ug/L			09/21/19 23:23	1
2,2-Dichloropropane	ND	E8 M2 R13	2.0	0.18	ug/L			09/21/19 23:23	1
2-Butanone (MEK)	**5.9**	**E4 N1**	10	2.2	ug/L			09/26/19 15:14	1
2-Chlorotoluene	ND	E8 M2 R13	5.0	0.17	ug/L			09/21/19 23:23	1
2-Hexanone	ND	E8 L5 R4	10	1.5	ug/L			09/21/19 23:23	1
4-Chlorotoluene	ND	E8 M2 R13	5.0	0.20	ug/L			09/21/19 23:23	1
4-Methyl-2-pentanone (MIBK)	ND	E8 R4	10	1.3	ug/L			09/21/19 23:23	1
Acetone	**54**	**N1**	20	7.3	ug/L			09/26/19 15:14	1
Benzene	ND	E8 M2 R13	2.0	0.12	ug/L			09/21/19 23:23	1
Bromobenzene	ND	E8 M2 R13	5.0	0.14	ug/L			09/21/19 23:23	1
Bromochloromethane	ND	E8 M2 R13	5.0	0.27	ug/L			09/21/19 23:23	1
Bromodichloromethane	**5.6**	**M2 R13**	2.0	0.23	ug/L			09/21/19 23:23	1
Bromoform	ND	E8 M2 R13	5.0	0.37	ug/L			09/21/19 23:23	1
Bromomethane	ND	E8 M2 R13	5.0	0.67	ug/L			09/21/19 23:23	1
Carbon disulfide	ND	E8 M2 R13	5.0	0.86	ug/L			09/21/19 23:23	1
Carbon tetrachloride	ND	E8 M2 R13	5.0	0.15	ug/L			09/21/19 23:23	1
Chlorobenzene	ND	E8 M2 R13	2.0	0.17	ug/L			09/21/19 23:23	1
Chloroethane	ND	E8 M2 R13	5.0	0.25	ug/L			09/21/19 23:23	1
Chloroform	**6.5**	**M2 R13**	2.0	0.13	ug/L			09/21/19 23:23	1
Chloromethane	ND	E8 M2 R13	5.0	0.21	ug/L			09/21/19 23:23	1
cis-1,2-Dichloroethene	ND	E8 M2 R13	2.0	0.21	ug/L			09/21/19 23:23	1

Client Sample ID: AVB 129-02-20190917

Lab Sample ID: 550-130039-3

Date Collected: 09/17/19 10:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8 M2 R13	2.0	0.14	ug/L			09/21/19 23:23	1
Chlorodibromomethane	**3.7**	**M2 R13**	2.0	0.22	ug/L			09/21/19 23:23	1
Dibromomethane	ND	E8 M2 R13	2.0	0.26	ug/L			09/21/19 23:23	1
Dichlorodifluoromethane	ND	E8 R4	5.0	0.15	ug/L			09/21/19 23:23	1
Ethylbenzene	ND	E8 R4	2.0	0.32	ug/L			09/21/19 23:23	1
Hexachlorobutadiene	ND	E8 M2 R13	5.0	0.28	ug/L			09/21/19 23:23	1
Iodomethane	ND	E8 R4	2.0	0.21	ug/L			09/21/19 23:23	1
Isopropylbenzene	ND	E8 M2 R13	2.0	0.26	ug/L			09/21/19 23:23	1
m,p-Xylenes	ND	E8 M2 R13	5.0	0.44	ug/L			09/21/19 23:23	1
Methylene Chloride	ND	E8 M2 R13	5.0	0.67	ug/L			09/21/19 23:23	1
Methyl tert-butyl ether	ND	E8 M2 R13	1.0	0.22	ug/L			09/21/19 23:23	1
Naphthalene	ND	E8 M2 R13	5.0	0.51	ug/L			09/21/19 23:23	1
n-Butylbenzene	ND	E8 M2 R13	5.0	0.21	ug/L			09/21/19 23:23	1
n-Propylbenzene	ND	E8 M2 R13	2.0	0.21	ug/L			09/21/19 23:23	1
o-Xylene	ND	E8 M2 R13	5.0	0.42	ug/L			09/21/19 23:23	1
p-Isopropyltoluene	ND	E8 M2 R13	2.0	0.21	ug/L			09/21/19 23:23	1
sec-Butylbenzene	ND	E8 M2 R13	5.0	0.23	ug/L			09/21/19 23:23	1
Styrene	ND	E8 R4	2.0	0.17	ug/L			09/21/19 23:23	1
tert-Butylbenzene	ND	E8 M2 R13	5.0	0.25	ug/L			09/21/19 23:23	1
Tetrachloroethene	ND	E8 R4	2.0	0.18	ug/L			09/21/19 23:23	1
Toluene	ND	E8 M2 R13	2.0	0.28	ug/L			09/21/19 23:23	1
trans-1,2-Dichloroethene	ND	E8 M2 R13	2.0	0.29	ug/L			09/21/19 23:23	1
trans-1,3-Dichloropropene	ND	E8 M2 R13	2.0	0.47	ug/L			09/21/19 23:23	1
Trichloroethene	ND	E8 M2 R13	2.0	0.24	ug/L			09/21/19 23:23	1
Trichlorofluoromethane	ND	E8 M2 R13	5.0	0.15	ug/L			09/21/19 23:23	1
Vinyl acetate	ND	E8 R4	25	0.81	ug/L			09/21/19 23:23	1
Vinyl chloride	ND	E8 R4	5.0	0.18	ug/L			09/21/19 23:23	1
Xylenes, Total	ND	E8 M2 R13	10	0.86	ug/L			09/21/19 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/21/19 23:23*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/26/19 15:14*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/21/19 23:23*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*09/26/19 15:14*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*09/21/19 23:23*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/26/19 15:14*	*1*

Client Sample ID: AVB 129-01-20190917

Lab Sample ID: 550-130039-4

Date Collected: 09/17/19 10:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 00:19	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 00:19	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 00:19	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 00:19	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 00:19	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 00:19	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 00:19	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 129-01-20190917

Lab Sample ID: 550-130039-4

Date Collected: 09/17/19 10:30
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 00:19	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 00:19	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 00:19	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 00:19	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 00:19	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 00:19	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 00:19	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 00:19	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 00:19	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 00:19	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 00:19	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 00:19	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 00:19	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 00:19	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/23/19 18:41	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 00:19	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 00:19	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 00:19	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 00:19	1
Acetone	**41**		20	7.3	ug/L			09/23/19 18:41	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 00:19	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 00:19	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 00:19	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 00:19	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 00:19	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 00:19	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 00:19	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 00:19	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 00:19	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 00:19	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 00:19	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 00:19	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 00:19	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 00:19	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 00:19	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 00:19	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 00:19	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 00:19	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 00:19	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 00:19	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 00:19	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 00:19	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 00:19	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 00:19	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 00:19	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 00:19	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 00:19	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 00:19	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 00:19	1

Client Sample ID: AVB 129-01-20190917

Lab Sample ID: 550-130039-4

Date Collected: 09/17/19 10:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 00:19	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 00:19	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 00:19	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 00:19	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 00:19	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 00:19	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 00:19	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 00:19	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 00:19	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 00:19	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 00:19	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/22/19 00:19*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*09/23/19 18:41*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*09/22/19 00:19*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/23/19 18:41*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/22/19 00:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*09/23/19 18:41*	*1*

Client Sample ID: AVB 91-03-20190917

Lab Sample ID: 550-130039-5

Date Collected: 09/17/19 11:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 00:47	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 00:47	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 00:47	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 00:47	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 00:47	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 00:47	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 00:47	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 00:47	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 00:47	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 00:47	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 00:47	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 00:47	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 00:47	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 00:47	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 00:47	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 00:47	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 00:47	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 00:47	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 00:47	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 00:47	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 00:47	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/23/19 19:08	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 00:47	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 91-03-20190917

Lab Sample ID: 550-130039-5

Date Collected: 09/17/19 11:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 00:47	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 00:47	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 00:47	1
Acetone	**31**		20	7.3	ug/L			09/23/19 19:08	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 00:47	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 00:47	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 00:47	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 00:47	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 00:47	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 00:47	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 00:47	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 00:47	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 00:47	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 00:47	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 00:47	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 00:47	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 00:47	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 00:47	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 00:47	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 00:47	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 00:47	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 00:47	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 00:47	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 00:47	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 00:47	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 00:47	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 00:47	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 00:47	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 00:47	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 00:47	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 00:47	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 00:47	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 00:47	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 00:47	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 00:47	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 00:47	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 00:47	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 00:47	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 00:47	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 00:47	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 00:47	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 00:47	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 00:47	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 00:47	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/22/19 00:47*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*09/23/19 19:08*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*09/22/19 00:47*	*1*

Client Sample ID: AVB 91-03-20190917

Lab Sample ID: 550-130039-5

Date Collected: 09/17/19 11:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		09/23/19 19:08	1
4-Bromofluorobenzene (Surr)	124		70 - 130		09/22/19 00:47	1
4-Bromofluorobenzene (Surr)	108		70 - 130		09/23/19 19:08	1

Client Sample ID: AVB 91-02-20190917

Lab Sample ID: 550-130039-6

Date Collected: 09/17/19 11:10
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 01:15	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 01:15	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 01:15	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 01:15	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 01:15	1
1,1-Dichloroethene	**0.69**	**E4**	5.0	0.23	ug/L			09/22/19 01:15	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 01:15	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 01:15	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 01:15	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 01:15	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 01:15	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 01:15	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 01:15	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 01:15	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 01:15	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 01:15	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 01:15	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 01:15	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 01:15	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 01:15	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 01:15	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 01:15	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 01:15	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 01:15	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 01:15	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 01:15	1
Acetone	**33**		20	7.3	ug/L			09/23/19 19:34	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 01:15	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 01:15	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 01:15	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 01:15	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 01:15	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 01:15	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 01:15	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 01:15	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 01:15	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 01:15	1
Chloroform	**0.64**	**E4**	2.0	0.13	ug/L			09/22/19 01:15	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 01:15	1

Client Sample ID: AVB 91-02-20190917

Lab Sample ID: 550-130039-6

Date Collected: 09/17/19 11:10

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**0.29**	**E4**	2.0	0.21	ug/L			09/22/19 01:15	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 01:15	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 01:15	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 01:15	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 01:15	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 01:15	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 01:15	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 01:15	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 01:15	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 01:15	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 01:15	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 01:15	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 01:15	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 01:15	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 01:15	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 01:15	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 01:15	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 01:15	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 01:15	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 01:15	1
Tetrachloroethene	**4.1**		2.0	0.18	ug/L			09/22/19 01:15	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 01:15	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 01:15	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 01:15	1
Trichloroethene	**2.4**		2.0	0.24	ug/L			09/22/19 01:15	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 01:15	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 01:15	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 01:15	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/22/19 01:15*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*09/23/19 19:34*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*09/22/19 01:15*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/23/19 19:34*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/22/19 01:15*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/23/19 19:34*	*1*

Client Sample ID: AVB 98-01-20190917

Lab Sample ID: 550-130039-7

Date Collected: 09/17/19 11:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 01:43	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 01:43	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 01:43	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 01:43	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 01:43	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 01:43	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 98-01-20190917

Lab Sample ID: 550-130039-7

Date Collected: 09/17/19 11:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 01:43	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 01:43	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 01:43	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 01:43	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 01:43	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 01:43	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 01:43	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 01:43	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 01:43	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 01:43	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 01:43	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 01:43	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 01:43	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 01:43	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 01:43	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 01:43	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 01:43	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 01:43	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 01:43	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 01:43	1
Acetone	**43**		20	7.3	ug/L			09/23/19 20:01	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 01:43	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 01:43	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 01:43	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 01:43	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 01:43	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 01:43	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 01:43	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 01:43	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 01:43	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 01:43	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 01:43	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 01:43	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 01:43	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 01:43	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 01:43	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 01:43	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 01:43	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 01:43	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 01:43	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 01:43	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 01:43	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 01:43	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 01:43	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 01:43	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 01:43	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 01:43	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 01:43	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 01:43	1

Client Sample ID: AVB 98-01-20190917

Lab Sample ID: 550-130039-7

Date Collected: 09/17/19 11:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 01:43	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 01:43	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 01:43	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 01:43	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 01:43	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 01:43	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 01:43	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 01:43	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 01:43	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 01:43	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 01:43	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 01:43	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/22/19 01:43*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*09/23/19 20:01*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*09/22/19 01:43*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/23/19 20:01*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*09/22/19 01:43*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/23/19 20:01*	*1*

Client Sample ID: AVB 71-01-20190917

Lab Sample ID: 550-130039-8

Date Collected: 09/17/19 12:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 02:11	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 02:11	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 02:11	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 02:11	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 02:11	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 02:11	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 02:11	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 02:11	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 02:11	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 02:11	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 02:11	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 02:11	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 02:11	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 02:11	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 02:11	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 02:11	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 02:11	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 02:11	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 02:11	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 02:11	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 02:11	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/23/19 20:28	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 71-01-20190917

Lab Sample ID: 550-130039-8

Date Collected: 09/17/19 12:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 02:11	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 02:11	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 02:11	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 02:11	1
Acetone	**38**		20	7.3	ug/L			09/23/19 20:28	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 02:11	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 02:11	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 02:11	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 02:11	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 02:11	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 02:11	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 02:11	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 02:11	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 02:11	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 02:11	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 02:11	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 02:11	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 02:11	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 02:11	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 02:11	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 02:11	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 02:11	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 02:11	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 02:11	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 02:11	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 02:11	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 02:11	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 02:11	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 02:11	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 02:11	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 02:11	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 02:11	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 02:11	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 02:11	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 02:11	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 02:11	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 02:11	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 02:11	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 02:11	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 02:11	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 02:11	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 02:11	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 02:11	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 02:11	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 02:11	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/22/19 02:11*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*09/23/19 20:28*	*1*

Client Sample ID: AVB 71-01-20190917

Lab Sample ID: 550-130039-8

Date Collected: 09/17/19 12:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*123*		*70 - 130*		*09/22/19 02:11*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/23/19 20:28*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/22/19 02:11*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/23/19 20:28*	*1*

Client Sample ID: AVB 81-01-20190917

Lab Sample ID: 550-130039-9

Date Collected: 09/17/19 12:15
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 02:39	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 02:39	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 02:39	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 02:39	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 02:39	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 02:39	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 02:39	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 02:39	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 02:39	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 02:39	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 02:39	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 02:39	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 02:39	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 02:39	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 02:39	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 02:39	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 02:39	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 02:39	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 02:39	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 02:39	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 02:39	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/23/19 20:55	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 02:39	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 02:39	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 02:39	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 02:39	1
Acetone	**45**		20	7.3	ug/L			09/23/19 20:55	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 02:39	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 02:39	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 02:39	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 02:39	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 02:39	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 02:39	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 02:39	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 02:39	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 02:39	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 02:39	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 02:39	1

Client Sample ID: AVB 81-01-20190917

Lab Sample ID: 550-130039-9

Date Collected: 09/17/19 12:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 02:39	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 02:39	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 02:39	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 02:39	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 02:39	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 02:39	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 02:39	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 02:39	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 02:39	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 02:39	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 02:39	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 02:39	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 02:39	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 02:39	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 02:39	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 02:39	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 02:39	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 02:39	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 02:39	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 02:39	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 02:39	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 02:39	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 02:39	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 02:39	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 02:39	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 02:39	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 02:39	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 02:39	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 02:39	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/22/19 02:39*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*09/23/19 20:55*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/22/19 02:39*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/23/19 20:55*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/22/19 02:39*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/23/19 20:55*	*1*

Client Sample ID: AVB 137-01-20190917

Lab Sample ID: 550-130039-10

Date Collected: 09/17/19 13:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 03:07	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 03:07	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 03:07	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 03:07	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 03:07	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 137-01-20190917

Lab Sample ID: 550-130039-10

Date Collected: 09/17/19 13:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 03:07	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 03:07	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 03:07	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 03:07	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 03:07	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 03:07	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 03:07	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 03:07	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 03:07	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 03:07	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 03:07	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 03:07	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 03:07	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 03:07	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 03:07	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 03:07	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 03:07	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 03:07	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 03:07	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 03:07	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 03:07	1
Acetone	**43**		20	7.3	ug/L			09/26/19 18:30	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 03:07	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 03:07	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 03:07	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 03:07	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 03:07	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 03:07	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 03:07	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 03:07	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 03:07	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 03:07	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 03:07	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 03:07	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 03:07	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 03:07	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 03:07	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 03:07	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 03:07	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 03:07	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 03:07	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 03:07	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 03:07	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 03:07	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 03:07	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 03:07	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 03:07	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 03:07	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 03:07	1

Client Sample ID: AVB 137-01-20190917

Lab Sample ID: 550-130039-10

Date Collected: 09/17/19 13:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 03:07	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 03:07	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 03:07	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 03:07	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 03:07	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 03:07	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 03:07	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 03:07	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 03:07	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 03:07	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 03:07	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 03:07	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 03:07	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*09/22/19 03:07*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*09/26/19 18:30*	*1*
Toluene-d8 (Surr)	*123*		*70 - 130*		*09/22/19 03:07*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/26/19 18:30*	*1*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*		*09/22/19 03:07*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/26/19 18:30*	*1*

Client Sample ID: AVB 122-03-20190917

Lab Sample ID: 550-130039-11

Date Collected: 09/17/19 13:40

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 03:35	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 03:35	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 03:35	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 03:35	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 03:35	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 03:35	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 03:35	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 03:35	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 03:35	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 03:35	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 03:35	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 03:35	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 03:35	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 03:35	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 03:35	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 03:35	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 03:35	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 03:35	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 03:35	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 03:35	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 03:35	1

Client Sample ID: AVB 122-03-20190917

Lab Sample ID: 550-130039-11

Date Collected: 09/17/19 13:40

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	**7.3**	**E4**	10	2.2	ug/L			09/26/19 18:58	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 03:35	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 03:35	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 03:35	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 03:35	1
Acetone	**64**		20	7.3	ug/L			09/26/19 18:58	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 03:35	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 03:35	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 03:35	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 03:35	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 03:35	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 03:35	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 03:35	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 03:35	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 03:35	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 03:35	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 03:35	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 03:35	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 03:35	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 03:35	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 03:35	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 03:35	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 03:35	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 03:35	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 03:35	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 03:35	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 03:35	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 03:35	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 03:35	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 03:35	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 03:35	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 03:35	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 03:35	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 03:35	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 03:35	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 03:35	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 03:35	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 03:35	1
Tetrachloroethene	**0.82**	**E4**	2.0	0.18	ug/L			09/22/19 03:35	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 03:35	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 03:35	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 03:35	1
Trichloroethene	**1.1**	**E4**	2.0	0.24	ug/L			09/22/19 03:35	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 03:35	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 03:35	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 03:35	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/22/19 03:35*	*1*

Client Sample ID: AVB 122-03-20190917

Lab Sample ID: 550-130039-11

Date Collected: 09/17/19 13:40

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/26/19 18:58*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/22/19 03:35*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/26/19 18:58*	*1*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*		*09/22/19 03:35*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/26/19 18:58*	*1*

Client Sample ID: AVB 136-01-20190917

Lab Sample ID: 550-130039-12

Date Collected: 09/17/19 14:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 04:03	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 04:03	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 04:03	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 04:03	1
1,1-Dichloroethane	**0.78**	**E4**	2.0	0.14	ug/L			09/22/19 04:03	1
1,1-Dichloroethene	**2.1**	**E4**	5.0	0.23	ug/L			09/22/19 04:03	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 04:03	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 04:03	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 04:03	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 04:03	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 04:03	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 04:03	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 04:03	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 04:03	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 04:03	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 04:03	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 04:03	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 04:03	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 04:03	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 04:03	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 04:03	1
2-Butanone (MEK)	**5.3**	**E4**	10	2.2	ug/L			09/26/19 19:25	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 04:03	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 04:03	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 04:03	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 04:03	1
Acetone	**64**		20	7.3	ug/L			09/26/19 19:25	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 04:03	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 04:03	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 04:03	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 04:03	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 04:03	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 04:03	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 04:03	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 04:03	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 04:03	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 04:03	1

Client Sample ID: AVB 136-01-20190917

Lab Sample ID: 550-130039-12

Date Collected: 09/17/19 14:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**0.71**	**E4**	2.0	0.13	ug/L			09/22/19 04:03	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 04:03	1
cis-1,2-Dichloroethene	**1.9**	**E4**	2.0	0.21	ug/L			09/22/19 04:03	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 04:03	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 04:03	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 04:03	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 04:03	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 04:03	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 04:03	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 04:03	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 04:03	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 04:03	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 04:03	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 04:03	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 04:03	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 04:03	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 04:03	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 04:03	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 04:03	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 04:03	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 04:03	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 04:03	1
Tetrachloroethene	**2.4**		2.0	0.18	ug/L			09/22/19 04:03	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 04:03	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 04:03	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 04:03	1
Trichloroethene	**10**		2.0	0.24	ug/L			09/22/19 04:03	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 04:03	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 04:03	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 04:03	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/22/19 04:03*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/26/19 19:25*	*1*
Toluene-d8 (Surr)	*125*		*70 - 130*		*09/22/19 04:03*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*		*09/26/19 19:25*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/22/19 04:03*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*09/26/19 19:25*	*1*

Client Sample ID: AVB 127-01-20190917

Lab Sample ID: 550-130039-13

Date Collected: 09/17/19 15:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 04:31	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 04:31	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 04:31	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 04:31	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 127-01-20190917

Lab Sample ID: 550-130039-13

Date Collected: 09/17/19 15:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**3.8**		2.0	0.14	ug/L			09/22/19 04:31	1
1,1-Dichloroethene	**6.3**		5.0	0.23	ug/L			09/22/19 04:31	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 04:31	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 04:31	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 04:31	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 04:31	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 04:31	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 04:31	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 04:31	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 04:31	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 04:31	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 04:31	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 04:31	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 04:31	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 04:31	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 04:31	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 04:31	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 04:31	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 04:31	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 04:31	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 04:31	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 04:31	1
Acetone	**69**		20	7.3	ug/L			09/26/19 19:54	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 04:31	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 04:31	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 04:31	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 04:31	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 04:31	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 04:31	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 04:31	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 04:31	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 04:31	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 04:31	1
Chloroform	**2.2**		2.0	0.13	ug/L			09/22/19 04:31	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 04:31	1
cis-1,2-Dichloroethene	**9.7**		2.0	0.21	ug/L			09/22/19 04:31	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 04:31	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 04:31	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 04:31	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 04:31	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 04:31	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 04:31	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 04:31	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 04:31	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 04:31	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 04:31	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 04:31	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 04:31	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 04:31	1

Client Sample ID: AVB 127-01-20190917

Lab Sample ID: 550-130039-13

Date Collected: 09/17/19 15:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 04:31	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 04:31	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 04:31	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 04:31	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 04:31	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 04:31	1
Tetrachloroethene	**2.9**		2.0	0.18	ug/L			09/22/19 04:31	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 04:31	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 04:31	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 04:31	1
Trichloroethene	**60**		2.0	0.24	ug/L			09/22/19 04:31	1
Trichlorofluoromethane	**0.42**	**E4**	5.0	0.15	ug/L			09/22/19 04:31	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 04:31	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 04:31	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*09/22/19 04:31*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/26/19 19:54*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*09/22/19 04:31*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/26/19 19:54*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/22/19 04:31*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*09/26/19 19:54*	*1*

Client Sample ID: AVB 126-03-20190917

Lab Sample ID: 550-130039-14

Date Collected: 09/17/19 15:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 04:59	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 04:59	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 04:59	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 04:59	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 04:59	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 04:59	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 04:59	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 04:59	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 04:59	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 04:59	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 04:59	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 04:59	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 04:59	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 04:59	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 04:59	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 04:59	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 04:59	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 04:59	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 04:59	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 04:59	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 126-03-20190917

Lab Sample ID: 550-130039-14

Date Collected: 09/17/19 15:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 04:59	1
2-Butanone (MEK)	**5.5**	**E4**	10	2.2	ug/L			09/26/19 20:21	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 04:59	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 04:59	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 04:59	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 04:59	1
Acetone	**94**		20	7.3	ug/L			09/26/19 20:21	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 04:59	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 04:59	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 04:59	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 04:59	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 04:59	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 04:59	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 04:59	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 04:59	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 04:59	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 04:59	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 04:59	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 04:59	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 04:59	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 04:59	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 04:59	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 04:59	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 04:59	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 04:59	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 04:59	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 04:59	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 04:59	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 04:59	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 04:59	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 04:59	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 04:59	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 04:59	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 04:59	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 04:59	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 04:59	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 04:59	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 04:59	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 04:59	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 04:59	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 04:59	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 04:59	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 04:59	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 04:59	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 04:59	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 04:59	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 04:59	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 04:59	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 126-03-20190917

Lab Sample ID: 550-130039-14

Date Collected: 09/17/19 15:30
Matrix: Water
Date Received: 09/20/19 10:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*09/22/19 04:59*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/26/19 20:21*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*09/22/19 04:59*	*1*
Toluene-d8 (Surr)	*127*		*70 - 130*		*09/26/19 20:21*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/22/19 04:59*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/26/19 20:21*	*1*

Client Sample ID: AVB 126-02-20190917

Lab Sample ID: 550-130039-15

Date Collected: 09/17/19 15:40
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 05:27	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 05:27	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 05:27	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 05:27	1
1,1-Dichloroethane	**1.2**	**E4**	2.0	0.14	ug/L			09/22/19 05:27	1
1,1-Dichloroethene	**2.3**	**E4**	5.0	0.23	ug/L			09/22/19 05:27	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 05:27	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 05:27	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 05:27	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 05:27	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 05:27	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 05:27	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 05:27	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 05:27	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 05:27	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 05:27	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 05:27	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 05:27	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 05:27	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 05:27	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 05:27	1
2-Butanone (MEK)	**6.1**	**E4**	10	2.2	ug/L			09/27/19 00:53	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 05:27	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 05:27	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 05:27	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 05:27	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 05:27	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 05:27	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 05:27	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 05:27	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 05:27	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 05:27	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 05:27	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 05:27	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 05:27	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 05:27	1
Chloroform	**0.90**	**E4**	2.0	0.13	ug/L			09/22/19 05:27	1

Client Sample ID: AVB 126-02-20190917

Lab Sample ID: 550-130039-15

Date Collected: 09/17/19 15:40

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 05:27	1
cis-1,2-Dichloroethene	**1.2**	**E4**	2.0	0.21	ug/L			09/22/19 05:27	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 05:27	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 05:27	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 05:27	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 05:27	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 05:27	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 05:27	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 05:27	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 05:27	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 05:27	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 05:27	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 05:27	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 05:27	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 05:27	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 05:27	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 05:27	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 05:27	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 05:27	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 05:27	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 05:27	1
Tetrachloroethene	**0.36**	**E4**	2.0	0.18	ug/L			09/22/19 05:27	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 05:27	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 05:27	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 05:27	1
Trichloroethene	**6.1**		2.0	0.24	ug/L			09/22/19 05:27	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 05:27	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 05:27	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 05:27	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/22/19 05:27*	*1*
Dibromofluoromethane (Surr)	*122*		*70 - 130*		*09/27/19 00:53*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*09/22/19 05:27*	*1*
Toluene-d8 (Surr)	*114*		*70 - 130*		*09/27/19 00:53*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*09/22/19 05:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/27/19 00:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**89**	**D2 N1**	40	15	ug/L			09/30/19 20:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*09/30/19 20:45*	*2*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/30/19 20:45*	*2*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/30/19 20:45*	*2*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 126-01-20190917

Lab Sample ID: 550-130039-16

Date Collected: 09/17/19 15:50

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 05:55	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 05:55	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 05:55	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 05:55	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 05:55	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 05:55	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 05:55	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 05:55	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 05:55	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 05:55	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 05:55	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 05:55	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 05:55	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 05:55	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 05:55	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 05:55	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 05:55	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 05:55	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 05:55	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 05:55	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 05:55	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 05:55	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 05:55	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 05:55	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 05:55	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 05:55	1
Acetone	**63**		20	7.3	ug/L			09/27/19 01:21	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 05:55	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 05:55	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 05:55	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 05:55	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 05:55	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 05:55	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 05:55	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 05:55	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 05:55	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 05:55	1
Chloroform	**1.1**	**E4**	2.0	0.13	ug/L			09/22/19 05:55	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 05:55	1
cis-1,2-Dichloroethene	**0.60**	**E4**	2.0	0.21	ug/L			09/22/19 05:55	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 05:55	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 05:55	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 05:55	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 05:55	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 05:55	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 05:55	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 05:55	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 05:55	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 05:55	1

Client Sample ID: AVB 126-01-20190917

Lab Sample ID: 550-130039-16

Date Collected: 09/17/19 15:50

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 05:55	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 05:55	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 05:55	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 05:55	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 05:55	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 05:55	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 05:55	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 05:55	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 05:55	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 05:55	1
Tetrachloroethene	**1.8**	**E4**	2.0	0.18	ug/L			09/22/19 05:55	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 05:55	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 05:55	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 05:55	1
Trichloroethene	**3.0**		2.0	0.24	ug/L			09/22/19 05:55	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 05:55	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 05:55	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 05:55	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*09/22/19 05:55*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/27/19 01:21*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*09/22/19 05:55*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/27/19 01:21*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/22/19 05:55*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/27/19 01:21*	*1*

Client Sample ID: DUP-02-20190917

Lab Sample ID: 550-130039-17

Date Collected: 09/17/19 16:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 06:23	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 06:23	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 06:23	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 06:23	1
1,1-Dichloroethane	**4.0**		2.0	0.14	ug/L			09/22/19 06:23	1
1,1-Dichloroethene	**6.3**		5.0	0.23	ug/L			09/22/19 06:23	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 06:23	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 06:23	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 06:23	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 06:23	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 06:23	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 06:23	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 06:23	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 06:23	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 06:23	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 06:23	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: DUP-02-20190917

Lab Sample ID: 550-130039-17

Date Collected: 09/17/19 16:00
Date Received: 09/20/19 10:15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 06:23	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 06:23	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 06:23	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 06:23	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 06:23	1
2-Butanone (MEK)	**5.3**	**E4**	10	2.2	ug/L			09/27/19 01:50	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 06:23	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 06:23	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 06:23	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 06:23	1
Acetone	**73**		20	7.3	ug/L			09/27/19 01:50	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 06:23	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 06:23	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 06:23	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 06:23	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 06:23	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 06:23	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 06:23	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 06:23	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 06:23	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 06:23	1
Chloroform	**2.2**		2.0	0.13	ug/L			09/22/19 06:23	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 06:23	1
cis-1,2-Dichloroethene	**10**		2.0	0.21	ug/L			09/22/19 06:23	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 06:23	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 06:23	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 06:23	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 06:23	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 06:23	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 06:23	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 06:23	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 06:23	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 06:23	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 06:23	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 06:23	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 06:23	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 06:23	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 06:23	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 06:23	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 06:23	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 06:23	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 06:23	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 06:23	1
Tetrachloroethene	**2.7**		2.0	0.18	ug/L			09/22/19 06:23	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 06:23	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 06:23	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 06:23	1
Trichloroethene	**59**		2.0	0.24	ug/L			09/22/19 06:23	1
Trichlorofluoromethane	**0.41**	**E4**	5.0	0.15	ug/L			09/22/19 06:23	1

Client Sample ID: DUP-02-20190917

Lab Sample ID: 550-130039-17

Date Collected: 09/17/19 16:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 06:23	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 06:23	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/22/19 06:23*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*09/27/19 01:50*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/22/19 06:23*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*		*09/27/19 01:50*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*09/22/19 06:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/27/19 01:50*	*1*

Client Sample ID: PDB Blank-20190917

Lab Sample ID: 550-130039-18

Date Collected: 09/17/19 16:15
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 06:51	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 06:51	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 06:51	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 06:51	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 06:51	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 06:51	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 06:51	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 06:51	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 06:51	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 06:51	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 06:51	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 06:51	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 06:51	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 06:51	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 06:51	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 06:51	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 06:51	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 06:51	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 06:51	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 06:51	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 06:51	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 06:51	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 06:51	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 06:51	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 06:51	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 06:51	1
Acetone	**82**		20	7.3	ug/L			09/27/19 02:18	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 06:51	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 06:51	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 06:51	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 06:51	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 06:51	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: PDB Blank-20190917

Lab Sample ID: 550-130039-18

Date Collected: 09/17/19 16:15
Date Received: 09/20/19 10:15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 06:51	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 06:51	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 06:51	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 06:51	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 06:51	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 06:51	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 06:51	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 06:51	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 06:51	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 06:51	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 06:51	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 06:51	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 06:51	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 06:51	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 06:51	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 06:51	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 06:51	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 06:51	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 06:51	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 06:51	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 06:51	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 06:51	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 06:51	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 06:51	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 06:51	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 06:51	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 06:51	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 06:51	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 06:51	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 06:51	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 06:51	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 06:51	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 06:51	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 06:51	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 06:51	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*09/22/19 06:51*	*1*
Dibromofluoromethane (Surr)	*118*		*70 - 130*		*09/27/19 02:18*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*09/22/19 06:51*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*09/27/19 02:18*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*09/22/19 06:51*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/27/19 02:18*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 78-01-20190918

Lab Sample ID: 550-130039-19

Date Collected: 09/18/19 06:45

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/22/19 07:19	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/22/19 07:19	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/22/19 07:19	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 07:19	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/22/19 07:19	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/22/19 07:19	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/22/19 07:19	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/22/19 07:19	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/22/19 07:19	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/22/19 07:19	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/22/19 07:19	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/22/19 07:19	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/22/19 07:19	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/22/19 07:19	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/22/19 07:19	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 07:19	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 07:19	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/22/19 07:19	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/22/19 07:19	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 07:19	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/22/19 07:19	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/22/19 07:19	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/22/19 07:19	1
2-Hexanone	ND	E8 L5	10	1.5	ug/L			09/22/19 07:19	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/22/19 07:19	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/22/19 07:19	1
Acetone	ND	E8 L5 V1	20	7.3	ug/L			09/22/19 07:19	1
Benzene	ND	E8	2.0	0.12	ug/L			09/22/19 07:19	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/22/19 07:19	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/22/19 07:19	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/22/19 07:19	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/22/19 07:19	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/22/19 07:19	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/22/19 07:19	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/22/19 07:19	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/22/19 07:19	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/22/19 07:19	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/22/19 07:19	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/22/19 07:19	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/22/19 07:19	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/22/19 07:19	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/22/19 07:19	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/22/19 07:19	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 07:19	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/22/19 07:19	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/22/19 07:19	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/22/19 07:19	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/22/19 07:19	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/22/19 07:19	1

Client Sample ID: AVB 78-01-20190918

Lab Sample ID: 550-130039-19

Date Collected: 09/18/19 06:45

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/22/19 07:19	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/22/19 07:19	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/22/19 07:19	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/22/19 07:19	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/22/19 07:19	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/22/19 07:19	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/22/19 07:19	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/22/19 07:19	1
Styrene	ND	E8	2.0	0.17	ug/L			09/22/19 07:19	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/22/19 07:19	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/22/19 07:19	1
Toluene	ND	E8	2.0	0.28	ug/L			09/22/19 07:19	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/22/19 07:19	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/22/19 07:19	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/22/19 07:19	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/22/19 07:19	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/22/19 07:19	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/22/19 07:19	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/22/19 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/22/19 07:19*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/22/19 07:19*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*09/22/19 07:19*	*1*

Client Sample ID: AVB 78-02-20190918

Lab Sample ID: 550-130039-20

Date Collected: 09/18/19 07:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 12:53	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 12:53	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 12:53	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 12:53	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 12:53	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 12:53	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 12:53	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 12:53	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 12:53	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 12:53	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 12:53	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 12:53	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 12:53	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 12:53	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 12:53	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 12:53	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 12:53	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 12:53	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 12:53	1

Client Sample ID: AVB 78-02-20190918

Lab Sample ID: 550-130039-20

Date Collected: 09/18/19 07:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 12:53	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 12:53	1
2-Butanone (MEK)	ND	E8 L5 N1 V1	10	2.2	ug/L			09/23/19 12:53	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 12:53	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 12:53	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 12:53	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 12:53	1
Acetone	ND	E8 L5 N1 V1	20	7.3	ug/L			09/23/19 12:53	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 12:53	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 12:53	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 12:53	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 12:53	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 12:53	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 12:53	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 12:53	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 12:53	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 12:53	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 12:53	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 12:53	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 12:53	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 12:53	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 12:53	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 12:53	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 12:53	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 12:53	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 12:53	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 12:53	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 12:53	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 12:53	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 12:53	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 12:53	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 12:53	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 12:53	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 12:53	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 12:53	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 12:53	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 12:53	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 12:53	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 12:53	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 12:53	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 12:53	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 12:53	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 12:53	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 12:53	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 12:53	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 12:53	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 12:53	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 12:53	1

Client Sample ID: AVB 78-02-20190918

Lab Sample ID: 550-130039-20

Date Collected: 09/18/19 07:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/23/19 12:53*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*09/23/19 12:53*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/23/19 12:53*	*1*

Client Sample ID: AVB 78-03-20190918

Lab Sample ID: 550-130039-21

Date Collected: 09/18/19 07:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 13:21	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 13:21	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 13:21	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 13:21	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 13:21	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 13:21	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 13:21	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 13:21	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 13:21	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 13:21	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 13:21	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 13:21	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 13:21	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 13:21	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 13:21	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 13:21	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 13:21	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 13:21	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 13:21	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 13:21	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 13:21	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/23/19 13:21	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 13:21	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 13:21	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 13:21	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 13:21	1
Acetone	ND	E8 L5 V1	20	7.3	ug/L			09/23/19 13:21	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 13:21	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 13:21	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 13:21	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 13:21	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 13:21	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 13:21	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 13:21	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 13:21	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 13:21	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 13:21	1

Client Sample ID: AVB 78-03-20190918

Lab Sample ID: 550-130039-21

Date Collected: 09/18/19 07:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 13:21	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 13:21	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 13:21	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 13:21	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 13:21	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 13:21	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 13:21	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 13:21	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 13:21	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 13:21	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 13:21	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 13:21	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 13:21	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 13:21	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 13:21	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 13:21	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 13:21	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 13:21	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 13:21	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 13:21	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 13:21	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 13:21	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 13:21	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 13:21	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 13:21	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 13:21	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 13:21	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 13:21	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 13:21	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 13:21	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/23/19 13:21*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*09/23/19 13:21*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*09/23/19 13:21*	*1*

Client Sample ID: AVB 139-01-20190919

Lab Sample ID: 550-130039-22

Date Collected: 09/19/19 07:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 13:49	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 13:49	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 13:49	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 13:49	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 13:49	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 13:49	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 13:49	1

Client Sample ID: AVB 139-01-20190919

Lab Sample ID: 550-130039-22

Date Collected: 09/19/19 07:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 13:49	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 13:49	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 13:49	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 13:49	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 13:49	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 13:49	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 13:49	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 13:49	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 13:49	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 13:49	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 13:49	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 13:49	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 13:49	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 13:49	1
2-Butanone (MEK)	**7.8**	**E4**	10	2.2	ug/L			09/27/19 02:46	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 13:49	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 13:49	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 13:49	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 13:49	1
Acetone	**94**		20	7.3	ug/L			09/27/19 02:46	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 13:49	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 13:49	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 13:49	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 13:49	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 13:49	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 13:49	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 13:49	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 13:49	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 13:49	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 13:49	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 13:49	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 13:49	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 13:49	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 13:49	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 13:49	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 13:49	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 13:49	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 13:49	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 13:49	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 13:49	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 13:49	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 13:49	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 13:49	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 13:49	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 13:49	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 13:49	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 13:49	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 13:49	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 13:49	1

Client Sample ID: AVB 139-01-20190919

Lab Sample ID: 550-130039-22

Date Collected: 09/19/19 07:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 13:49	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 13:49	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 13:49	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 13:49	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 13:49	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 13:49	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 13:49	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 13:49	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 13:49	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 13:49	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 13:49	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/23/19 13:49*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*09/27/19 02:46*	*1*
Toluene-d8 (Surr)	*126*		*70 - 130*		*09/23/19 13:49*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*09/27/19 02:46*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/23/19 13:49*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*09/27/19 02:46*	*1*

Client Sample ID: AVB 135-01-20190919

Lab Sample ID: 550-130039-23

Date Collected: 09/19/19 07:45

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 14:17	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 14:17	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 14:17	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 14:17	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 14:17	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 14:17	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 14:17	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 14:17	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 14:17	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 14:17	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 14:17	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 14:17	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 14:17	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 14:17	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 14:17	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 14:17	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 14:17	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 14:17	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 14:17	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 14:17	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 14:17	1
2-Butanone (MEK)	**7.9**	**E4**	10	2.2	ug/L			09/27/19 03:14	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 14:17	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 135-01-20190919

Lab Sample ID: 550-130039-23

Date Collected: 09/19/19 07:45
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 14:17	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 14:17	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 14:17	1
Acetone	**80**		20	7.3	ug/L			09/27/19 03:14	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 14:17	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 14:17	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 14:17	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 14:17	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 14:17	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 14:17	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 14:17	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 14:17	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 14:17	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 14:17	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 14:17	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 14:17	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 14:17	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 14:17	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 14:17	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 14:17	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 14:17	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 14:17	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 14:17	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 14:17	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 14:17	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 14:17	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 14:17	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 14:17	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 14:17	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 14:17	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 14:17	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 14:17	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 14:17	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 14:17	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 14:17	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 14:17	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 14:17	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 14:17	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 14:17	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 14:17	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 14:17	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 14:17	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 14:17	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 14:17	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/23/19 14:17*	*1*
Dibromofluoromethane (Surr)	*123*		*70 - 130*		*09/27/19 03:14*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*09/23/19 14:17*	*1*

Client Sample ID: AVB 135-01-20190919

Lab Sample ID: 550-130039-23

Date Collected: 09/19/19 07:45
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130		09/27/19 03:14	1
4-Bromofluorobenzene (Surr)	116		70 - 130		09/23/19 14:17	1
4-Bromofluorobenzene (Surr)	109		70 - 130		09/27/19 03:14	1

Client Sample ID: AVB 120-02-20190919

Lab Sample ID: 550-130039-24

Date Collected: 09/19/19 08:40
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 14:45	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 14:45	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 14:45	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 14:45	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 14:45	1
1,1-Dichloroethene	**1.4**	**E4**	5.0	0.23	ug/L			09/23/19 14:45	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 14:45	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 14:45	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 14:45	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 14:45	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 14:45	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 14:45	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 14:45	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 14:45	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 14:45	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 14:45	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 14:45	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 14:45	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 14:45	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 14:45	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 14:45	1
2-Butanone (MEK)	**5.4**	**E4**	10	2.2	ug/L			09/27/19 03:42	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 14:45	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 14:45	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 14:45	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 14:45	1
Acetone	**57**		20	7.3	ug/L			09/27/19 03:42	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 14:45	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 14:45	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 14:45	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 14:45	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 14:45	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 14:45	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 14:45	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 14:45	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 14:45	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 14:45	1
Chloroform	**3.0**		2.0	0.13	ug/L			09/23/19 14:45	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 14:45	1

Client Sample ID: AVB 120-02-20190919

Lab Sample ID: 550-130039-24

Date Collected: 09/19/19 08:40

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**0.41**	**E4**	2.0	0.21	ug/L			09/23/19 14:45	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 14:45	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 14:45	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 14:45	1
Dichlorodifluoromethane	**1.6**	**E4**	5.0	0.15	ug/L			09/23/19 14:45	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 14:45	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 14:45	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 14:45	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 14:45	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 14:45	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 14:45	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 14:45	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 14:45	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 14:45	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 14:45	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 14:45	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 14:45	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 14:45	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 14:45	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 14:45	1
Tetrachloroethene	**7.8**		2.0	0.18	ug/L			09/23/19 14:45	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 14:45	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 14:45	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 14:45	1
Trichloroethene	**75**		2.0	0.24	ug/L			09/23/19 14:45	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 14:45	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 14:45	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 14:45	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/23/19 14:45*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/27/19 03:42*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*09/23/19 14:45*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*		*09/27/19 03:42*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/23/19 14:45*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/27/19 03:42*	*1*

Client Sample ID: AVB 120-01-20190919

Lab Sample ID: 550-130039-25

Date Collected: 09/19/19 09:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 15:13	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 15:13	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 15:13	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 15:13	1
1,1-Dichloroethane	**2.0**		2.0	0.14	ug/L			09/23/19 15:13	1
1,1-Dichloroethene	**3.3**	**E4**	5.0	0.23	ug/L			09/23/19 15:13	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 120-01-20190919

Lab Sample ID: 550-130039-25

Date Collected: 09/19/19 09:00
Date Received: 09/20/19 10:15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 15:13	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 15:13	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 15:13	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 15:13	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 15:13	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 15:13	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 15:13	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 15:13	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 15:13	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 15:13	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 15:13	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 15:13	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 15:13	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 15:13	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 15:13	1
2-Butanone (MEK)	ND	E8 L5 V1	10	2.2	ug/L			09/23/19 15:13	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 15:13	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 15:13	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 15:13	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 15:13	1
Acetone	**10**	**E4 L5 V1**	20	7.3	ug/L			09/23/19 15:13	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 15:13	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 15:13	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 15:13	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 15:13	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 15:13	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 15:13	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 15:13	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 15:13	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 15:13	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 15:13	1
Chloroform	**3.9**		2.0	0.13	ug/L			09/23/19 15:13	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 15:13	1
cis-1,2-Dichloroethene	**9.4**		2.0	0.21	ug/L			09/23/19 15:13	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 15:13	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 15:13	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 15:13	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 15:13	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 15:13	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 15:13	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 15:13	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 15:13	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 15:13	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 15:13	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 15:13	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 15:13	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 15:13	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 15:13	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 15:13	1

Client Sample ID: AVB 120-01-20190919

Lab Sample ID: 550-130039-25

Date Collected: 09/19/19 09:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 15:13	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 15:13	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 15:13	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 15:13	1
Tetrachloroethene	**8.1**		2.0	0.18	ug/L			09/23/19 15:13	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 15:13	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 15:13	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 15:13	1
Trichloroethene	**72**		2.0	0.24	ug/L			09/23/19 15:13	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 15:13	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 15:13	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 15:13	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/23/19 15:13*	*1*
Toluene-d8 (Surr)	*129*		*70 - 130*		*09/23/19 15:13*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*09/23/19 15:13*	*1*

Client Sample ID: AVB 121-02-20190919

Lab Sample ID: 550-130039-26

Date Collected: 09/19/19 09:30
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 15:41	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 15:41	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 15:41	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 15:41	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 15:41	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 15:41	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 15:41	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 15:41	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 15:41	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 15:41	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 15:41	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 15:41	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 15:41	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 15:41	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 15:41	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 15:41	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 15:41	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 15:41	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 15:41	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 15:41	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 15:41	1
2-Butanone (MEK)	**8.4**	**E4**	10	2.2	ug/L			09/27/19 04:10	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 15:41	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 15:41	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 15:41	1

Client Sample ID: AVB 121-02-20190919

Lab Sample ID: 550-130039-26

Date Collected: 09/19/19 09:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 15:41	1
Acetone	**75**		20	7.3	ug/L			09/27/19 04:10	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 15:41	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 15:41	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 15:41	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 15:41	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 15:41	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 15:41	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 15:41	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 15:41	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 15:41	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 15:41	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 15:41	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 15:41	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 15:41	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 15:41	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 15:41	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 15:41	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 15:41	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 15:41	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 15:41	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 15:41	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 15:41	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 15:41	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 15:41	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 15:41	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 15:41	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 15:41	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 15:41	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 15:41	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 15:41	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 15:41	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 15:41	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 15:41	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 15:41	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 15:41	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 15:41	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 15:41	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 15:41	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 15:41	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 15:41	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 15:41	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/23/19 15:41*	*1*
Dibromofluoromethane (Surr)	*128*		*70 - 130*		*09/27/19 04:10*	*1*
Toluene-d8 (Surr)	*123*		*70 - 130*		*09/23/19 15:41*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*09/27/19 04:10*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*09/23/19 15:41*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 121-02-20190919

Lab Sample ID: 550-130039-26
Date Collected: 09/19/19 09:30
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*09/27/19 04:10*	*1*

Client Sample ID: AVB 132-02-20190919

Lab Sample ID: 550-130039-27
Date Collected: 09/19/19 10:15
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 16:09	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 16:09	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 16:09	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 16:09	1
1,1-Dichloroethane	**0.53**	**E4**	2.0	0.14	ug/L			09/23/19 16:09	1
1,1-Dichloroethene	**2.0**	**E4**	5.0	0.23	ug/L			09/23/19 16:09	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 16:09	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 16:09	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 16:09	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 16:09	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 16:09	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 16:09	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 16:09	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 16:09	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 16:09	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 16:09	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 16:09	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 16:09	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 16:09	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 16:09	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 16:09	1
2-Butanone (MEK)	**4.1**	**E4**	10	2.2	ug/L			09/27/19 04:38	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 16:09	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 16:09	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 16:09	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 16:09	1
Acetone	**52**		20	7.3	ug/L			09/27/19 04:38	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 16:09	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 16:09	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 16:09	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 16:09	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 16:09	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 16:09	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 16:09	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 16:09	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 16:09	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 16:09	1
Chloroform	**0.39**	**E4**	2.0	0.13	ug/L			09/23/19 16:09	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 16:09	1
cis-1,2-Dichloroethene	**1.7**	**E4**	2.0	0.21	ug/L			09/23/19 16:09	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 16:09	1

Client Sample ID: AVB 132-02-20190919

Lab Sample ID: 550-130039-27

Date Collected: 09/19/19 10:15
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 16:09	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 16:09	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 16:09	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 16:09	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 16:09	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 16:09	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 16:09	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 16:09	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 16:09	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 16:09	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 16:09	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 16:09	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 16:09	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 16:09	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 16:09	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 16:09	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 16:09	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 16:09	1
Tetrachloroethene	**2.5**		2.0	0.18	ug/L			09/23/19 16:09	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 16:09	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 16:09	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 16:09	1
Trichloroethene	**17**		2.0	0.24	ug/L			09/23/19 16:09	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 16:09	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 16:09	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 16:09	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*09/23/19 16:09*	*1*
Dibromofluoromethane (Surr)	*125*		*70 - 130*		*09/27/19 04:38*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*		*09/23/19 16:09*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*09/27/19 04:38*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/23/19 16:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/27/19 04:38*	*1*

Client Sample ID: AVB 115-01-20190919

Lab Sample ID: 550-130039-28

Date Collected: 09/19/19 10:45
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 16:36	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 16:36	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 16:36	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 16:36	1
1,1-Dichloroethane	**0.73**	**E4**	2.0	0.14	ug/L			09/23/19 16:36	1
1,1-Dichloroethene	**1.4**	**E4**	5.0	0.23	ug/L			09/23/19 16:36	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 16:36	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 16:36	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 115-01-20190919

Lab Sample ID: 550-130039-28

Date Collected: 09/19/19 10:45
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 16:36	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 16:36	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 16:36	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 16:36	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 16:36	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 16:36	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 16:36	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 16:36	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 16:36	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 16:36	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 16:36	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 16:36	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 16:36	1
2-Butanone (MEK)	**5.8**	**E4**	10	2.2	ug/L			09/27/19 05:06	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 16:36	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 16:36	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 16:36	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 16:36	1
Acetone	**92**		20	7.3	ug/L			09/27/19 05:06	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 16:36	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 16:36	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 16:36	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 16:36	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 16:36	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 16:36	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 16:36	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 16:36	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 16:36	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 16:36	1
Chloroform	**2.1**		2.0	0.13	ug/L			09/23/19 16:36	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 16:36	1
cis-1,2-Dichloroethene	**2.6**		2.0	0.21	ug/L			09/23/19 16:36	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 16:36	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 16:36	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 16:36	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 16:36	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 16:36	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 16:36	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 16:36	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 16:36	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 16:36	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 16:36	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 16:36	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 16:36	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 16:36	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 16:36	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 16:36	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 16:36	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 16:36	1

Client Sample ID: AVB 115-01-20190919

Lab Sample ID: 550-130039-28

Date Collected: 09/19/19 10:45

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 16:36	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 16:36	1
Tetrachloroethene	**0.59**	**E4**	2.0	0.18	ug/L			09/23/19 16:36	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 16:36	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 16:36	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 16:36	1
Trichloroethene	**16**		2.0	0.24	ug/L			09/23/19 16:36	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 16:36	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 16:36	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 16:36	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/23/19 16:36*	*1*
Dibromofluoromethane (Surr)	*130*		*70 - 130*		*09/27/19 05:06*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*09/23/19 16:36*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*09/27/19 05:06*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/23/19 16:36*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/27/19 05:06*	*1*

Client Sample ID: AVB 124-02-20190919

Lab Sample ID: 550-130039-29

Date Collected: 09/19/19 11:15

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 17:04	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 17:04	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 17:04	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 17:04	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 17:04	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 17:04	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 17:04	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 17:04	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 17:04	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 17:04	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 17:04	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 17:04	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 17:04	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 17:04	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 17:04	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 17:04	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 17:04	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 17:04	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 17:04	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 17:04	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 17:04	1
2-Butanone (MEK)	**3.8**	**E4**	10	2.2	ug/L			09/27/19 05:35	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 17:04	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 17:04	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 124-02-20190919

Lab Sample ID: 550-130039-29

Date Collected: 09/19/19 11:15
Date Received: 09/20/19 10:15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 17:04	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 17:04	1
Acetone	**51**		20	7.3	ug/L			09/27/19 05:35	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 17:04	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 17:04	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 17:04	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 17:04	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 17:04	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 17:04	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 17:04	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 17:04	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 17:04	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 17:04	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 17:04	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 17:04	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 17:04	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 17:04	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 17:04	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 17:04	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 17:04	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 17:04	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 17:04	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 17:04	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 17:04	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 17:04	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 17:04	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 17:04	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 17:04	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 17:04	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 17:04	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 17:04	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 17:04	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 17:04	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 17:04	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 17:04	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 17:04	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 17:04	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 17:04	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 17:04	1
Trichloroethene	**0.42**	**E4**	2.0	0.24	ug/L			09/23/19 17:04	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 17:04	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 17:04	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 17:04	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/23/19 17:04*	*1*
Dibromofluoromethane (Surr)	*120*		*70 - 130*		*09/27/19 05:35*	*1*
Toluene-d8 (Surr)	*124*		*70 - 130*		*09/23/19 17:04*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*09/27/19 05:35*	*1*

Client Sample ID: AVB 124-02-20190919

Lab Sample ID: 550-130039-29

Date Collected: 09/19/19 11:15
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130		09/23/19 17:04	1
4-Bromofluorobenzene (Surr)	108		70 - 130		09/27/19 05:35	1

Client Sample ID: AVB 133-01-20190919

Lab Sample ID: 550-130039-30

Date Collected: 09/19/19 11:50
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 17:31	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 17:31	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 17:31	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 17:31	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 17:31	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 17:31	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 17:31	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 17:31	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 17:31	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 17:31	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 17:31	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 17:31	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 17:31	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 17:31	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 17:31	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 17:31	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 17:31	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 17:31	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 17:31	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 17:31	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 17:31	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/27/19 06:03	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 17:31	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 17:31	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 17:31	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 17:31	1
Acetone	**51**		20	7.3	ug/L			09/27/19 06:03	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 17:31	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 17:31	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 17:31	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 17:31	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 17:31	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 17:31	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 17:31	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 17:31	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 17:31	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 17:31	1
Chloroform	**0.34**	**E4**	2.0	0.13	ug/L			09/23/19 17:31	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 17:31	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 17:31	1

Client Sample ID: AVB 133-01-20190919

Lab Sample ID: 550-130039-30

Date Collected: 09/19/19 11:50

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 17:31	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 17:31	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 17:31	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 17:31	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 17:31	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 17:31	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 17:31	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 17:31	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 17:31	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 17:31	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 17:31	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 17:31	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 17:31	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 17:31	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 17:31	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 17:31	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 17:31	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 17:31	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 17:31	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 17:31	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 17:31	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 17:31	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 17:31	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 17:31	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 17:31	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 17:31	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 17:31	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*70 - 130*		*09/23/19 17:31*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/27/19 06:03*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/23/19 17:31*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/27/19 06:03*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/23/19 17:31*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/27/19 06:03*	*1*

Client Sample ID: DUP-03-20190919

Lab Sample ID: 550-130039-31

Date Collected: 09/19/19 12:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 17:59	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 17:59	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 17:59	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 17:59	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 17:59	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 17:59	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 17:59	1

Client Sample ID: DUP-03-20190919

Lab Sample ID: 550-130039-31

Date Collected: 09/19/19 12:00

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 17:59	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 17:59	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 17:59	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 17:59	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 17:59	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 17:59	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 17:59	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 17:59	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 17:59	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 17:59	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 17:59	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 17:59	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 17:59	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 17:59	1
2-Butanone (MEK)	**4.9**	**E4**	10	2.2	ug/L			09/27/19 06:31	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 17:59	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 17:59	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 17:59	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 17:59	1
Acetone	**46**		20	7.3	ug/L			09/27/19 06:31	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 17:59	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 17:59	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 17:59	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 17:59	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 17:59	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 17:59	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 17:59	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 17:59	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 17:59	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 17:59	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 17:59	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 17:59	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 17:59	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 17:59	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 17:59	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 17:59	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 17:59	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 17:59	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 17:59	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 17:59	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 17:59	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 17:59	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 17:59	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 17:59	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 17:59	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 17:59	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 17:59	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 17:59	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 17:59	1

Client Sample ID: DUP-03-20190919

Lab Sample ID: 550-130039-31

Date Collected: 09/19/19 12:00
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 17:59	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 17:59	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 17:59	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 17:59	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 17:59	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 17:59	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 17:59	1
Trichloroethene	**0.43**	**E4**	2.0	0.24	ug/L			09/23/19 17:59	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 17:59	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 17:59	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 17:59	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/23/19 17:59*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/27/19 06:31*	*1*
Toluene-d8 (Surr)	*118*		*70 - 130*		*09/23/19 17:59*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*09/27/19 06:31*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/23/19 17:59*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/27/19 06:31*	*1*

Client Sample ID: AVB 83-01-20190919

Lab Sample ID: 550-130039-32

Date Collected: 09/19/19 12:40
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 18:27	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 18:27	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 18:27	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 18:27	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 18:27	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 18:27	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 18:27	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 18:27	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 18:27	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 18:27	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 18:27	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 18:27	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 18:27	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 18:27	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 18:27	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 18:27	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 18:27	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 18:27	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 18:27	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 18:27	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 18:27	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/27/19 06:58	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 18:27	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 83-01-20190919

Lab Sample ID: 550-130039-32

Date Collected: 09/19/19 12:40
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 18:27	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 18:27	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 18:27	1
Acetone	**46**		20	7.3	ug/L			09/27/19 06:58	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 18:27	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 18:27	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 18:27	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 18:27	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 18:27	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 18:27	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 18:27	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 18:27	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 18:27	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 18:27	1
Chloroform	**0.73**	**E4**	2.0	0.13	ug/L			09/23/19 18:27	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 18:27	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 18:27	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 18:27	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 18:27	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 18:27	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 18:27	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 18:27	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 18:27	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 18:27	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 18:27	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 18:27	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 18:27	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 18:27	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 18:27	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 18:27	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 18:27	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 18:27	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 18:27	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 18:27	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 18:27	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 18:27	1
Tetrachloroethene	**5.2**		2.0	0.18	ug/L			09/23/19 18:27	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 18:27	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 18:27	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 18:27	1
Trichloroethene	**3.8**		2.0	0.24	ug/L			09/23/19 18:27	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 18:27	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 18:27	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 18:27	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*09/23/19 18:27*	*1*
Dibromofluoromethane (Surr)	*122*		*70 - 130*		*09/27/19 06:58*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/23/19 18:27*	*1*

Client Sample ID: AVB 83-01-20190919

Lab Sample ID: 550-130039-32

Date Collected: 09/19/19 12:40

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/27/19 06:58*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/23/19 18:27*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/27/19 06:58*	*1*

Client Sample ID: AVB 69-01-20190919

Lab Sample ID: 550-130039-33

Date Collected: 09/19/19 12:20

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 18:55	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 18:55	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 18:55	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 18:55	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 18:55	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 18:55	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 18:55	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 18:55	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 18:55	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 18:55	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 18:55	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 18:55	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 18:55	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 18:55	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 18:55	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 18:55	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 18:55	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 18:55	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 18:55	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 18:55	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 18:55	1
2-Butanone (MEK)	**6.4**	**E4**	10	2.2	ug/L			09/27/19 07:27	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 18:55	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 18:55	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 18:55	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 18:55	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 18:55	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 18:55	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 18:55	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 18:55	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 18:55	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 18:55	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 18:55	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 18:55	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 18:55	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 18:55	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 18:55	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 18:55	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 18:55	1

Client Sample ID: AVB 69-01-20190919

Lab Sample ID: 550-130039-33

Date Collected: 09/19/19 12:20

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 18:55	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 18:55	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 18:55	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 18:55	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 18:55	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 18:55	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 18:55	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 18:55	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 18:55	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 18:55	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 18:55	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 18:55	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 18:55	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 18:55	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 18:55	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 18:55	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 18:55	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 18:55	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 18:55	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 18:55	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 18:55	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 18:55	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 18:55	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 18:55	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 18:55	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 18:55	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 18:55	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/23/19 18:55*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*09/27/19 07:27*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/23/19 18:55*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/27/19 07:27*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/23/19 18:55*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*09/27/19 07:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**110**	**D2 N1**	40	15	ug/L			09/30/19 21:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/30/19 21:13*	*2*
Toluene-d8 (Surr)	*108*		*70 - 130*		*09/30/19 21:13*	*2*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/30/19 21:13*	*2*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 68-03-20190919

Lab Sample ID: 550-130039-34

Date Collected: 09/19/19 13:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8 N1	5.0	0.35	ug/L			09/30/19 13:09	1
1,1,1-Trichloroethane	ND	E8 N1	2.0	0.15	ug/L			09/30/19 13:09	1
1,1,2,2-Tetrachloroethane	ND	E8 N1	2.0	0.33	ug/L			09/30/19 13:09	1
1,1,2-Trichloroethane	ND	E8 N1	2.0	0.31	ug/L			09/30/19 13:09	1
1,1-Dichloroethane	ND	E8 N1	2.0	0.14	ug/L			09/30/19 13:09	1
1,1-Dichloroethene	ND	E8 N1	5.0	0.23	ug/L			09/30/19 13:09	1
1,1-Dichloropropene	ND	E8 N1	2.0	0.20	ug/L			09/30/19 13:09	1
1,2,3-Trichlorobenzene	ND	E8 N1	5.0	0.45	ug/L			09/30/19 13:09	1
1,2,3-Trichloropropane	ND	E8 N1	10	0.78	ug/L			09/30/19 13:09	1
1,2,4-Trichlorobenzene	ND	E8 N1	5.0	0.32	ug/L			09/30/19 13:09	1
1,2,4-Trimethylbenzene	ND	E8 N1	2.0	0.25	ug/L			09/30/19 13:09	1
1,2-Dibromo-3-Chloropropane	ND	E8 N1	5.0	0.82	ug/L			09/30/19 13:09	1
1,2-Dibromoethane (EDB)	ND	E8 N1	2.0	0.30	ug/L			09/30/19 13:09	1
1,2-Dichlorobenzene	ND	E8 N1	2.0	0.22	ug/L			09/30/19 13:09	1
1,2-Dichloroethane	ND	E8 N1	2.0	0.31	ug/L			09/30/19 13:09	1
1,2-Dichloropropane	ND	E8 N1	2.0	0.23	ug/L			09/30/19 13:09	1
1,3,5-Trimethylbenzene	ND	E8 N1	2.0	0.21	ug/L			09/30/19 13:09	1
1,3-Dichlorobenzene	ND	E8 N1	2.0	0.14	ug/L			09/30/19 13:09	1
1,3-Dichloropropane	ND	E8 N1	2.0	0.23	ug/L			09/30/19 13:09	1
1,4-Dichlorobenzene	ND	E8 N1	2.0	0.17	ug/L			09/30/19 13:09	1
2,2-Dichloropropane	ND	E8 N1	2.0	0.18	ug/L			09/30/19 13:09	1
2-Butanone (MEK)	ND	E8 L5 N1 V1	10	2.2	ug/L			09/30/19 13:09	1
2-Chlorotoluene	ND	E8 N1	5.0	0.17	ug/L			09/30/19 13:09	1
2-Hexanone	ND	E8 L5 N1 V1	10	1.5	ug/L			09/30/19 13:09	1
4-Chlorotoluene	ND	E8 N1	5.0	0.20	ug/L			09/30/19 13:09	1
4-Methyl-2-pentanone (MIBK)	ND	E8 N1	10	1.3	ug/L			09/30/19 13:09	1
Acetone	ND	E8 L5 N1 V1	20	7.3	ug/L			09/30/19 13:09	1
Benzene	ND	E8 N1	2.0	0.12	ug/L			09/30/19 13:09	1
Bromobenzene	ND	E8 N1	5.0	0.14	ug/L			09/30/19 13:09	1
Bromochloromethane	ND	E8 N1	5.0	0.27	ug/L			09/30/19 13:09	1
Bromodichloromethane	ND	E8 N1	2.0	0.23	ug/L			09/30/19 13:09	1
Bromoform	ND	E8 N1	5.0	0.37	ug/L			09/30/19 13:09	1
Bromomethane	ND	E8 N1	5.0	0.67	ug/L			09/30/19 13:09	1
Carbon disulfide	ND	E8 N1	5.0	0.86	ug/L			09/30/19 13:09	1
Carbon tetrachloride	ND	E8 N1	5.0	0.15	ug/L			09/30/19 13:09	1
Chlorobenzene	ND	E8 N1	2.0	0.17	ug/L			09/30/19 13:09	1
Chloroethane	ND	E8 N1	5.0	0.25	ug/L			09/30/19 13:09	1
Chloroform	ND	E8 N1	2.0	0.13	ug/L			09/30/19 13:09	1
Chloromethane	ND	E8 N1	5.0	0.21	ug/L			09/30/19 13:09	1
cis-1,2-Dichloroethene	ND	E8 N1	2.0	0.21	ug/L			09/30/19 13:09	1
cis-1,3-Dichloropropene	ND	E8 N1	2.0	0.14	ug/L			09/30/19 13:09	1
Chlorodibromomethane	ND	E8 N1	2.0	0.22	ug/L			09/30/19 13:09	1
Dibromomethane	ND	E8 N1	2.0	0.26	ug/L			09/30/19 13:09	1
Dichlorodifluoromethane	ND	E8 N1	5.0	0.15	ug/L			09/30/19 13:09	1
Ethylbenzene	ND	E8 N1	2.0	0.32	ug/L			09/30/19 13:09	1
Hexachlorobutadiene	ND	E8 N1	5.0	0.28	ug/L			09/30/19 13:09	1
Iodomethane	ND	E8 N1	2.0	0.21	ug/L			09/30/19 13:09	1

Client Sample ID: AVB 68-03-20190919

Lab Sample ID: 550-130039-34

Date Collected: 09/19/19 13:30

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND	E8 N1	2.0	0.26	ug/L			09/30/19 13:09	1
m,p-Xylenes	ND	E8 N1	5.0	0.44	ug/L			09/30/19 13:09	1
Methylene Chloride	ND	E8 N1	5.0	0.67	ug/L			09/30/19 13:09	1
Methyl tert-butyl ether	ND	E8 N1	1.0	0.22	ug/L			09/30/19 13:09	1
Naphthalene	ND	E8 N1	5.0	0.51	ug/L			09/30/19 13:09	1
n-Butylbenzene	ND	E8 N1	5.0	0.21	ug/L			09/30/19 13:09	1
n-Propylbenzene	ND	E8 N1	2.0	0.21	ug/L			09/30/19 13:09	1
o-Xylene	ND	E8 N1	5.0	0.42	ug/L			09/30/19 13:09	1
p-Isopropyltoluene	ND	E8 N1	2.0	0.21	ug/L			09/30/19 13:09	1
sec-Butylbenzene	ND	E8 N1	5.0	0.23	ug/L			09/30/19 13:09	1
Styrene	ND	E8 N1	2.0	0.17	ug/L			09/30/19 13:09	1
tert-Butylbenzene	ND	E8 N1	5.0	0.25	ug/L			09/30/19 13:09	1
Tetrachloroethene	ND	E8 N1	2.0	0.18	ug/L			09/30/19 13:09	1
Toluene	ND	E8 N1	2.0	0.28	ug/L			09/30/19 13:09	1
trans-1,2-Dichloroethene	ND	E8 N1	2.0	0.29	ug/L			09/30/19 13:09	1
trans-1,3-Dichloropropene	ND	E8 N1	2.0	0.47	ug/L			09/30/19 13:09	1
Trichloroethene	ND	E8 N1	2.0	0.24	ug/L			09/30/19 13:09	1
Trichlorofluoromethane	ND	E8 N1	5.0	0.15	ug/L			09/30/19 13:09	1
Vinyl acetate	ND	E8 N1	25	0.81	ug/L			09/30/19 13:09	1
Vinyl chloride	ND	E8 N1	5.0	0.18	ug/L			09/30/19 13:09	1
Xylenes, Total	ND	E8 N1	10	0.86	ug/L			09/30/19 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/30/19 13:09*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*09/30/19 13:09*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/30/19 13:09*	*1*

Client Sample ID: AVB 68-01-20190919

Lab Sample ID: 550-130039-35

Date Collected: 09/19/19 13:45

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 19:23	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 19:23	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 19:23	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 19:23	1
1,1-Dichloroethane	**0.76**	**E4**	2.0	0.14	ug/L			09/23/19 19:23	1
1,1-Dichloroethene	**0.68**	**E4**	5.0	0.23	ug/L			09/23/19 19:23	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 19:23	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 19:23	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 19:23	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 19:23	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 19:23	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 19:23	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 19:23	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 19:23	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 19:23	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 19:23	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 19:23	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 68-01-20190919

Lab Sample ID: 550-130039-35

Date Collected: 09/19/19 13:45

Matrix: Water

Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 19:23	1
1,3-Dichloropropane	ND	E8 L5 V1	2.0	0.23	ug/L			09/23/19 19:23	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 19:23	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 19:23	1
2-Butanone (MEK)	**4.7**	**E4**	10	2.2	ug/L			09/27/19 07:55	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 19:23	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 19:23	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 19:23	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 19:23	1
Acetone	**61**		20	7.3	ug/L			09/27/19 07:55	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 19:23	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 19:23	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 19:23	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 19:23	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 19:23	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 19:23	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 19:23	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 19:23	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 19:23	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 19:23	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 19:23	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 19:23	1
cis-1,2-Dichloroethene	**0.30**	**E4**	2.0	0.21	ug/L			09/23/19 19:23	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 19:23	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 19:23	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 19:23	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 19:23	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 19:23	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 19:23	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 19:23	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 19:23	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 19:23	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 19:23	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 19:23	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 19:23	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 19:23	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 19:23	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 19:23	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 19:23	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 19:23	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 19:23	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 19:23	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 19:23	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 19:23	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 19:23	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 19:23	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 19:23	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 19:23	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 19:23	1

Client Sample ID: AVB 68-01-20190919

Lab Sample ID: 550-130039-35

Date Collected: 09/19/19 13:45
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 19:23	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/23/19 19:23*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/27/19 07:55*	*1*
Toluene-d8 (Surr)	*125*		*70 - 130*		*09/23/19 19:23*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*09/27/19 07:55*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/23/19 19:23*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*09/27/19 07:55*	*1*

Client Sample ID: AVB 131-01-20190919

Lab Sample ID: 550-130039-36

Date Collected: 09/19/19 14:25
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 19:51	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 19:51	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 19:51	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 19:51	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 19:51	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 19:51	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 19:51	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 19:51	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 19:51	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 19:51	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 19:51	1
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	5.0	0.82	ug/L			09/23/19 19:51	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 19:51	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 19:51	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 19:51	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 19:51	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 19:51	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 19:51	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 19:51	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 19:51	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 19:51	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/27/19 08:23	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 19:51	1
2-Hexanone	ND	E8 L5 V1	10	1.5	ug/L			09/23/19 19:51	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 19:51	1
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	10	1.3	ug/L			09/23/19 19:51	1
Acetone	**39**		20	7.3	ug/L			09/27/19 08:23	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 19:51	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 19:51	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 19:51	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 19:51	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 19:51	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 19:51	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 131-01-20190919

Lab Sample ID: 550-130039-36

Date Collected: 09/19/19 14:25
Matrix: Water
Date Received: 09/20/19 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 19:51	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 19:51	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 19:51	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 19:51	1
Chloroform	**5.1**		2.0	0.13	ug/L			09/23/19 19:51	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 19:51	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 19:51	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 19:51	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 19:51	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 19:51	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 19:51	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 19:51	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 19:51	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 19:51	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 19:51	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 19:51	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 19:51	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 19:51	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 19:51	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 19:51	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 19:51	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 19:51	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 19:51	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 19:51	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 19:51	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 19:51	1
Tetrachloroethene	**0.27**	**E4**	2.0	0.18	ug/L			09/23/19 19:51	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 19:51	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 19:51	1
trans-1,3-Dichloropropene	ND	E8 L5	2.0	0.47	ug/L			09/23/19 19:51	1
Trichloroethene	**0.41**	**E4**	2.0	0.24	ug/L			09/23/19 19:51	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 19:51	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 19:51	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 19:51	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/23/19 19:51*	*1*
Dibromofluoromethane (Surr)	*121*		*70 - 130*		*09/27/19 08:23*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/23/19 19:51*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*09/27/19 08:23*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/23/19 19:51*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/27/19 08:23*	*1*

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DBFM (70-130)	TOL (70-130)	BFB (70-130)
550-129780-H-5 MS - DL	Matrix Spike	96	94	95
550-129780-H-5 MSD - DL	Matrix Spike Duplicate	96	93	92
550-129979-C-1 MS - DL	Matrix Spike	111	118	111
550-129979-C-1 MSD - DL	Matrix Spike Duplicate	108	115	110
550-130039-1	Trip Blank	111	115	117
550-130039-2	AVB 141-01-20190917	116	113	115
550-130039-2 MS	AVB 141-01-20190917	105	108	115
550-130039-2 MSD	AVB 141-01-20190917	100	106	101
550-130039-3	AVB 129-02-20190917	111	118	116
550-130039-3	AVB 129-02-20190917	112	117	117
550-130039-3 MS	AVB 129-02-20190917	14 N1 S7	16 N1 S7	16 N1 S7
550-130039-3 MSD	AVB 129-02-20190917	101	108	104
550-130039-4	AVB 129-01-20190917	111	119	112
550-130039-4	AVB 129-01-20190917	104	102	105
550-130039-5	AVB 91-03-20190917	116	121	124
550-130039-5	AVB 91-03-20190917	105	103	108
550-130039-6	AVB 91-02-20190917	110	120	119
550-130039-6	AVB 91-02-20190917	105	104	108
550-130039-7	AVB 98-01-20190917	114	119	120
550-130039-7	AVB 98-01-20190917	106	104	108
550-130039-8	AVB 71-01-20190917	110	123	118
550-130039-8	AVB 71-01-20190917	105	103	108
550-130039-9	AVB 81-01-20190917	112	118	118
550-130039-9	AVB 81-01-20190917	107	104	107
550-130039-10	AVB 137-01-20190917	109	123	128
550-130039-10	AVB 137-01-20190917	113	118	107
550-130039-11	AVB 122-03-20190917	111	122	122
550-130039-11	AVB 122-03-20190917	110	122	107
550-130039-12	AVB 136-01-20190917	110	125	119
550-130039-12	AVB 136-01-20190917	111	116	109
550-130039-13	AVB 127-01-20190917	113	121	119
550-130039-13	AVB 127-01-20190917	114	118	110
550-130039-14	AVB 126-03-20190917	106	120	118
550-130039-14	AVB 126-03-20190917	119	127	103
550-130039-15	AVB 126-02-20190917	114	120	121
550-130039-15	AVB 126-02-20190917	122	114	101
550-130039-15 - DL	AVB 126-02-20190917	117	107	107
550-130039-16	AVB 126-01-20190917	106	120	119
550-130039-16	AVB 126-01-20190917	112	109	111
550-130039-17	DUP-02-20190917	112	118	120
550-130039-17	DUP-02-20190917	113	116	108
550-130039-18	PDB Blank-20190917	108	119	121
550-130039-18	PDB Blank-20190917	118	112	111
550-130039-19	AVB 78-01-20190918	114	118	116
550-130039-20	AVB 78-02-20190918	115	121	118
550-130039-20 MS	AVB 78-02-20190918	96	104	104
550-130039-20 MSD	AVB 78-02-20190918	92	105	102
550-130039-21	AVB 78-03-20190918	110	121	114
550-130039-22	AVB 139-01-20190919	112	126	117

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DBFM (70-130)	TOL (70-130)	BFB (70-130)
550-130039-22	AVB 139-01-20190919	117	110	109
550-130039-23	AVB 135-01-20190919	115	121	116
550-130039-23	AVB 135-01-20190919	123	107	109
550-130039-24	AVB 120-02-20190919	119	120	112
550-130039-24	AVB 120-02-20190919	119	116	107
550-130039-25	AVB 120-01-20190919	111	129	116
550-130039-26	AVB 121-02-20190919	115	123	113
550-130039-26	AVB 121-02-20190919	128	117	106
550-130039-27	AVB 132-02-20190919	113	120	118
550-130039-27	AVB 132-02-20190919	125	109	107
550-130039-28	AVB 115-01-20190919	116	119	107
550-130039-28	AVB 115-01-20190919	130	112	111
550-130039-29	AVB 124-02-20190919	114	124	114
550-130039-29	AVB 124-02-20190919	120	115	108
550-130039-30	AVB 133-01-20190919	118	122	119
550-130039-30	AVB 133-01-20190919	116	105	111
550-130039-31	DUP-03-20190919	119	118	115
550-130039-31	DUP-03-20190919	119	113	108
550-130039-32	AVB 83-01-20190919	119	122	108
550-130039-32	AVB 83-01-20190919	122	107	108
550-130039-33	AVB 69-01-20190919	114	122	112
550-130039-33	AVB 69-01-20190919	117	106	102
550-130039-33 - DL	AVB 69-01-20190919	115	108	108
550-130039-34	AVB 68-03-20190919	114	115	115
550-130039-35	AVB 68-01-20190919	116	125	111
550-130039-35	AVB 68-01-20190919	115	110	110
550-130039-36	AVB 131-01-20190919	116	122	115
550-130039-36	AVB 131-01-20190919	121	113	107
550-130231-C-1 MS	Matrix Spike	91	94	103
550-130231-D-1 MSD	Matrix Spike Duplicate	91	101	98
550-130253-B-1 MS	Matrix Spike	94	95	94
550-130253-C-1 MSD	Matrix Spike Duplicate	89	95	88
550-130413-H-5 MS	Matrix Spike	54 N1 S7	73	67 N1 S7
550-130413-I-5 MSD	Matrix Spike Duplicate	81	109	96
LCS 550-190260/3	Lab Control Sample	97	102	100
LCS 550-190278/3	Lab Control Sample	93	94	91
LCS 550-190280/3	Lab Control Sample	92	97	101
LCS 550-190369/3	Lab Control Sample	99	106	102
LCS 550-190673/4	Lab Control Sample	72	83	75
LCS 550-190775/3	Lab Control Sample	93	100	93
LCS 550-190957/3	Lab Control Sample	103	114	107
LCS 550-191042/5	Lab Control Sample	120	114	122
LCSD 550-190260/4	Lab Control Sample Dup	97	105	113
LCSD 550-190278/4	Lab Control Sample Dup	94	93	92
LCSD 550-190280/4	Lab Control Sample Dup	97	100	103
LCSD 550-190369/4	Lab Control Sample Dup	98	105	99
LCSD 550-190673/5	Lab Control Sample Dup	95	95	103
LCSD 550-190775/4	Lab Control Sample Dup	94	95	102
LCSD 550-190957/4	Lab Control Sample Dup	108	114	111
LCSD 550-191042/6	Lab Control Sample Dup	117	116	108

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	**Client Sample ID**	**DBFM (70-130)**	**TOL (70-130)**	**BFB (70-130)**
MB 550-190260/7	Method Blank	110	117	111
MB 550-190278/5	Method Blank	105	104	108
MB 550-190280/7	Method Blank	112	121	119
MB 550-190369/5	Method Blank	115	111	115
MB 550-190673/8	Method Blank	110	119	102
MB 550-190775/7	Method Blank	116	122	103
MB 550-190957/5	Method Blank	111	117	118
MB 550-191042/9	Method Blank	115	107	96

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-190260/7
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/21/19 22:56	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/21/19 22:56	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/21/19 22:56	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/21/19 22:56	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/21/19 22:56	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/21/19 22:56	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/21/19 22:56	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/21/19 22:56	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/21/19 22:56	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/21/19 22:56	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/21/19 22:56	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/21/19 22:56	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/21/19 22:56	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/21/19 22:56	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/21/19 22:56	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/21/19 22:56	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/21/19 22:56	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/21/19 22:56	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/21/19 22:56	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/21/19 22:56	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/21/19 22:56	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			09/21/19 22:56	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/21/19 22:56	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/21/19 22:56	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/21/19 22:56	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/21/19 22:56	1
Acetone	ND	E8 V1	20	7.3	ug/L			09/21/19 22:56	1
Benzene	ND	E8	2.0	0.12	ug/L			09/21/19 22:56	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/21/19 22:56	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/21/19 22:56	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/21/19 22:56	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/21/19 22:56	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/21/19 22:56	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/21/19 22:56	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/21/19 22:56	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/21/19 22:56	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/21/19 22:56	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/21/19 22:56	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/21/19 22:56	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/21/19 22:56	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/21/19 22:56	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/21/19 22:56	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/21/19 22:56	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/21/19 22:56	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/21/19 22:56	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/21/19 22:56	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/21/19 22:56	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/21/19 22:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190260/7
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/21/19 22:56	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/21/19 22:56	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/21/19 22:56	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/21/19 22:56	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/21/19 22:56	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/21/19 22:56	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/21/19 22:56	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/21/19 22:56	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/21/19 22:56	1
Styrene	ND	E8	2.0	0.17	ug/L			09/21/19 22:56	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/21/19 22:56	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/21/19 22:56	1
Toluene	ND	E8	2.0	0.28	ug/L			09/21/19 22:56	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/21/19 22:56	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/21/19 22:56	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/21/19 22:56	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/21/19 22:56	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/21/19 22:56	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/21/19 22:56	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/21/19 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/21/19 22:56*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*09/21/19 22:56*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/21/19 22:56*	*1*

Lab Sample ID: LCS 550-190260/3
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.1		ug/L		92	70 - 130
1,1,1-Trichloroethane	25.0	23.5		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	25.0	28.1		ug/L		112	70 - 130
1,1,2-Trichloroethane	25.0	30.1		ug/L		120	70 - 130
1,1-Dichloroethane	25.0	21.2		ug/L		85	70 - 130
1,1-Dichloroethene	25.0	21.3		ug/L		85	70 - 130
1,1-Dichloropropene	25.0	20.7		ug/L		83	70 - 130
1,2,3-Trichlorobenzene	25.0	22.7		ug/L		91	70 - 130
1,2,3-Trichloropropane	25.0	28.1		ug/L		113	70 - 130
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		93	70 - 130
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	29.3		ug/L		117	61 - 130
1,2-Dibromoethane (EDB)	25.0	30.0		ug/L		120	70 - 130
1,2-Dichlorobenzene	25.0	26.7		ug/L		107	70 - 130
1,2-Dichloroethane	25.0	21.7		ug/L		87	70 - 130
1,2-Dichloropropane	25.0	24.2		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	25.0	23.6		ug/L		94	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190260/3
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	26.4		ug/L		106	70 - 130
1,3-Dichloropropane	25.0	29.2		ug/L		117	70 - 130
1,4-Dichlorobenzene	25.0	27.1		ug/L		108	70 - 130
2,2-Dichloropropane	25.0	23.8		ug/L		95	70 - 130
2-Butanone (MEK)	25.0	50.2	L5 V1	ug/L		201	50 - 150
2-Chlorotoluene	25.0	24.5		ug/L		98	70 - 130
2-Hexanone	25.0	35.0	L5	ug/L		140	52 - 138
4-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	29.3		ug/L		117	64 - 131
Acetone	25.0	54.6	L5 V1	ug/L		219	18 - 150
Benzene	25.0	22.2		ug/L		89	70 - 130
Bromobenzene	25.0	25.8		ug/L		103	70 - 130
Bromochloromethane	25.0	25.3		ug/L		101	70 - 130
Bromodichloromethane	25.0	23.2		ug/L		93	70 - 130
Bromoform	25.0	26.8		ug/L		107	70 - 130
Bromomethane	25.0	19.3		ug/L		77	62 - 136
Carbon disulfide	25.0	21.4		ug/L		86	70 - 130
Carbon tetrachloride	25.0	21.6		ug/L		87	70 - 130
Chlorobenzene	25.0	26.7		ug/L		107	70 - 130
Chloroethane	25.0	20.4		ug/L		82	70 - 130
Chloroform	25.0	22.7		ug/L		91	80 - 120
Chloromethane	25.0	21.8		ug/L		87	64 - 134
cis-1,2-Dichloroethene	25.0	19.9		ug/L		79	70 - 130
cis-1,3-Dichloropropene	25.0	27.1		ug/L		108	70 - 130
Chlorodibromomethane	25.0	27.5		ug/L		110	70 - 130
Dibromomethane	25.0	26.1		ug/L		104	70 - 130
Dichlorodifluoromethane	25.0	20.2		ug/L		81	29 - 150
Ethylbenzene	25.0	24.9		ug/L		100	80 - 120
Hexachlorobutadiene	25.0	22.5		ug/L		90	70 - 130
Iodomethane	25.0	23.0		ug/L		92	70 - 136
Isopropylbenzene	25.0	23.8		ug/L		95	70 - 130
m,p-Xylenes	25.0	23.6		ug/L		95	70 - 130
Methylene Chloride	25.0	22.1		ug/L		89	70 - 130
Methyl tert-butyl ether	25.0	23.4		ug/L		93	70 - 132
Naphthalene	25.0	25.7		ug/L		103	70 - 130
n-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
n-Propylbenzene	25.0	23.2		ug/L		93	70 - 130
o-Xylene	25.0	23.8		ug/L		95	70 - 130
p-Isopropyltoluene	25.0	24.9		ug/L		100	70 - 130
sec-Butylbenzene	25.0	25.2		ug/L		101	70 - 130
Styrene	25.0	25.2		ug/L		101	70 - 130
tert-Butylbenzene	25.0	22.3		ug/L		89	70 - 130
Tetrachloroethene	25.0	27.3		ug/L		109	70 - 130
Toluene	25.0	25.5		ug/L		102	80 - 120
trans-1,2-Dichloroethene	25.0	21.9		ug/L		87	70 - 130
trans-1,3-Dichloropropene	25.0	29.5		ug/L		118	70 - 130
Trichloroethene	25.0	23.2		ug/L		93	70 - 130
Trichlorofluoromethane	25.0	20.9		ug/L		84	70 - 130
Vinyl acetate	25.0	27.5		ug/L		110	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190260/3
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	20.7		ug/L		83	70 - 130
Xylenes, Total	50.0	47.4		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 550-190260/4
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.1		ug/L		97	70 - 130	5	20
1,1,1-Trichloroethane	25.0	22.8		ug/L		91	70 - 130	3	20
1,1,2,2-Tetrachloroethane	25.0	30.0		ug/L		120	70 - 130	6	20
1,1,2-Trichloroethane	25.0	30.7		ug/L		123	70 - 130	2	20
1,1-Dichloroethane	25.0	22.5		ug/L		90	70 - 130	6	20
1,1-Dichloroethene	25.0	22.4		ug/L		90	70 - 130	5	20
1,1-Dichloropropene	25.0	20.6		ug/L		83	70 - 130	0	20
1,2,3-Trichlorobenzene	25.0	21.4		ug/L		86	70 - 130	6	20
1,2,3-Trichloropropane	25.0	30.5		ug/L		122	70 - 130	8	20
1,2,4-Trichlorobenzene	25.0	22.2		ug/L		89	70 - 130	4	20
1,2,4-Trimethylbenzene	25.0	27.3		ug/L		109	70 - 130	10	20
1,2-Dibromo-3-Chloropropane	25.0	26.2		ug/L		105	61 - 130	11	21
1,2-Dibromoethane (EDB)	25.0	30.7		ug/L		123	70 - 130	2	20
1,2-Dichlorobenzene	25.0	27.6		ug/L		110	70 - 130	3	20
1,2-Dichloroethane	25.0	20.9		ug/L		84	70 - 130	4	20
1,2-Dichloropropane	25.0	24.9		ug/L		100	70 - 130	3	20
1,3,5-Trimethylbenzene	25.0	26.6		ug/L		107	70 - 130	12	20
1,3-Dichlorobenzene	25.0	27.2		ug/L		109	70 - 130	3	20
1,3-Dichloropropane	25.0	30.6		ug/L		123	70 - 130	5	20
1,4-Dichlorobenzene	25.0	28.1		ug/L		112	70 - 130	4	20
2,2-Dichloropropane	25.0	24.0		ug/L		96	70 - 130	1	20
2-Butanone (MEK)	25.0	44.6	L5 V1	ug/L		178	50 - 150	12	34
2-Chlorotoluene	25.0	27.8		ug/L		111	70 - 130	12	20
2-Hexanone	25.0	33.2		ug/L		133	52 - 138	6	29
4-Chlorotoluene	25.0	28.2		ug/L		113	70 - 130	11	20
4-Methyl-2-pentanone (MIBK)	25.0	27.4		ug/L		109	64 - 131	7	23
Acetone	25.0	40.6	L5 V1	ug/L		163	18 - 150	29	35
Benzene	25.0	22.5		ug/L		90	70 - 130	1	20
Bromobenzene	25.0	28.9		ug/L		116	70 - 130	11	20
Bromochloromethane	25.0	25.5		ug/L		102	70 - 130	1	20
Bromodichloromethane	25.0	24.2		ug/L		97	70 - 130	4	20
Bromoform	25.0	29.1		ug/L		116	70 - 130	8	20
Bromomethane	25.0	21.2		ug/L		85	62 - 136	9	20
Carbon disulfide	25.0	22.6		ug/L		90	70 - 130	5	20
Carbon tetrachloride	25.0	21.3		ug/L		85	70 - 130	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190260/4
Matrix: Water
Analysis Batch: 190260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	27.5		ug/L		110	70 - 130	3	20
Chloroethane	25.0	21.4		ug/L		86	70 - 130	5	20
Chloroform	25.0	22.1		ug/L		89	80 - 120	3	20
Chloromethane	25.0	23.1		ug/L		92	64 - 134	6	20
cis-1,2-Dichloroethene	25.0	20.8		ug/L		83	70 - 130	5	20
cis-1,3-Dichloropropene	25.0	28.6		ug/L		114	70 - 130	5	20
Chlorodibromomethane	25.0	29.2		ug/L		117	70 - 130	6	20
Dibromomethane	25.0	26.8		ug/L		107	70 - 130	3	20
Dichlorodifluoromethane	25.0	19.9		ug/L		80	29 - 150	1	21
Ethylbenzene	25.0	26.5		ug/L		106	80 - 120	6	20
Hexachlorobutadiene	25.0	22.9		ug/L		92	70 - 130	2	20
Iodomethane	25.0	24.3		ug/L		97	70 - 136	6	20
Isopropylbenzene	25.0	26.8		ug/L		107	70 - 130	12	20
m,p-Xylenes	25.0	27.4		ug/L		110	70 - 130	15	20
Methylene Chloride	25.0	23.1		ug/L		92	70 - 130	4	20
Methyl tert-butyl ether	25.0	25.2		ug/L		101	70 - 132	8	20
Naphthalene	25.0	23.6		ug/L		95	70 - 130	8	20
n-Butylbenzene	25.0	26.7		ug/L		107	70 - 130	5	20
n-Propylbenzene	25.0	26.8		ug/L		107	70 - 130	14	20
o-Xylene	25.0	27.1		ug/L		108	70 - 130	13	20
p-Isopropyltoluene	25.0	26.3		ug/L		105	70 - 130	5	20
sec-Butylbenzene	25.0	27.1		ug/L		108	70 - 130	7	20
Styrene	25.0	28.1		ug/L		112	70 - 130	11	20
tert-Butylbenzene	25.0	24.9		ug/L		100	70 - 130	11	20
Tetrachloroethene	25.0	28.0		ug/L		112	70 - 130	3	20
Toluene	25.0	25.9		ug/L		104	80 - 120	2	20
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	70 - 130	7	20
trans-1,3-Dichloropropene	25.0	29.6		ug/L		118	70 - 130	0	20
Trichloroethene	25.0	24.1		ug/L		96	70 - 130	4	20
Trichlorofluoromethane	25.0	21.3		ug/L		85	70 - 130	2	20
Vinyl acetate	25.0	26.9		ug/L		107	63 - 147	2	20
Vinyl chloride	25.0	22.4		ug/L		90	70 - 130	8	20
Xylenes, Total	50.0	54.5		ug/L		109	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 550-130039-3 MS
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8 M2 R13	25.0	11.0	M2	ug/L		44	67 - 137
1,1,1-Trichloroethane	ND	E8 M2 R13	25.0	11.6	M2	ug/L		47	64 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-3 MS
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	ND	E8 M2 R13	25.0	12.4	M2	ug/L		50	63 - 136
1,1,2-Trichloroethane	ND	E8 M2 R13	25.0	12.7	M2	ug/L		51	66 - 137
1,1-Dichloroethane	ND	E8 M2 R13	25.0	10.6	M2	ug/L		42	70 - 137
1,1-Dichloroethene	ND	E8 M2 R13	25.0	11.8	M2	ug/L		47	53 - 150
1,1-Dichloropropene	ND	E8 M2 R13	25.0	10.8	M2	ug/L		43	58 - 141
1,2,3-Trichlorobenzene	ND	E8 M2 R13	25.0	9.85	M2	ug/L		39	57 - 144
1,2,3-Trichloropropane	ND	E8 M2 R13	25.0	12.8	M2	ug/L		51	60 - 138
1,2,4-Trichlorobenzene	ND	E8 M2 R13	25.0	10.2	M2	ug/L		41	58 - 140
1,2,4-Trimethylbenzene	ND	E8 M2 R13	25.0	12.0	M2	ug/L		48	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8 M2 R13	25.0	11.1	M2	ug/L		44	51 - 143
1,2-Dibromoethane (EDB)	ND	E8 M2 R13	25.0	12.8	M2	ug/L		51	67 - 136
1,2-Dichlorobenzene	ND	E8 M2 R13	25.0	12.3	M2	ug/L		49	67 - 131
1,2-Dichloroethane	ND	E8 M2 R13	25.0	10.2	M2	ug/L		41	58 - 146
1,2-Dichloropropane	ND	E8 M2 R13	25.0	11.8	M2	ug/L		47	66 - 135
1,3,5-Trimethylbenzene	ND	E8 M2 R13	25.0	11.4	M2	ug/L		46	50 - 147
1,3-Dichlorobenzene	ND	E8 M2 R13	25.0	12.3	M2	ug/L		49	68 - 130
1,3-Dichloropropane	ND	E8 M2 R13	25.0	13.0	M2	ug/L		52	67 - 134
1,4-Dichlorobenzene	ND	E8 M2 R13	25.0	12.7	M2	ug/L		51	68 - 128
2,2-Dichloropropane	ND	E8 M2 R13	25.0	12.1	M2	ug/L		48	54 - 150
2-Butanone (MEK)	6.8	E4 R13 N1 L5 V1	25.0	25.4	V1	ug/L		74	10 - 150
2-Chlorotoluene	ND	E8 M2 R13	25.0	12.1	M2	ug/L		48	63 - 132
2-Hexanone	ND	E8 R4 L5	25.0	14.0		ug/L		56	37 - 150
4-Chlorotoluene	ND	E8 M2 R13	25.0	12.6	M2	ug/L		51	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8 R4	25.0	12.2		ug/L		49	41 - 150
Acetone	73	N1 L5 V1	25.0	92.1	V1	ug/L		78	10 - 150
Benzene	ND	E8 M2 R13	25.0	11.0	M2	ug/L		44	54 - 142
Bromobenzene	ND	E8 M2 R13	25.0	12.6	M2	ug/L		50	69 - 132
Bromochloromethane	ND	E8 M2 R13	25.0	12.0	M2	ug/L		48	67 - 145
Bromodichloromethane	5.6	M2 R13	25.0	16.6	M2	ug/L		44	61 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-3 MS
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	ND	E8 M2 R13	25.0	12.2	M2	ug/L		49	57 - 142
Bromomethane	ND	E8 M2 R13	25.0	10.5	M2	ug/L		42	56 - 149
Carbon disulfide	ND	E8 M2 R13	25.0	11.8	M2	ug/L		47	48 - 150
Carbon tetrachloride	ND	E8 M2 R13	25.0	11.2	M2	ug/L		45	60 - 143
Chlorobenzene	ND	E8 M2 R13	25.0	12.8	M2	ug/L		51	69 - 129
Chloroethane	ND	E8 M2 R13	25.0	10.4	M2	ug/L		42	60 - 146
Chloroform	6.5	M2 R13	25.0	16.5	M2	ug/L		40	69 - 138
Chloromethane	ND	E8 M2 R13	25.0	11.7	M2	ug/L		47	50 - 150
cis-1,2-Dichloroethene	ND	E8 M2 R13	25.0	10.0	M2	ug/L		40	65 - 139
cis-1,3-Dichloropropene	ND	E8 M2 R13	25.0	12.5	M2	ug/L		50	57 - 145
Chlorodibromomethane	3.7	M2 R13	25.0	16.5	M2	ug/L		51	61 - 143
Dibromomethane	ND	E8 M2 R13	25.0	12.2	M2	ug/L		49	64 - 138
Dichlorodifluoromethane	ND	E8 R4	25.0	12.0		ug/L		48	21 - 150
Ethylbenzene	ND	E8 R4	25.0	12.6		ug/L		50	46 - 149
Hexachlorobutadiene	ND	E8 M2 R13	25.0	11.2	M2	ug/L		45	49 - 146
Iodomethane	ND	E8 R4	25.0	11.9		ug/L		48	43 - 150
Isopropylbenzene	ND	E8 M2 R13	25.0	12.1	M2	ug/L		49	56 - 143
m,p-Xylenes	ND	E8 M2 R13	25.0	11.9	M2	ug/L		47	52 - 144
Methylene Chloride	ND	E8 M2 R13	25.0	11.0	M2	ug/L		44	66 - 134
Methyl tert-butyl ether	ND	E8 M2 R13	25.0	11.1	M2	ug/L		45	56 - 148
Naphthalene	ND	E8 M2 R13	25.0	10.1	M2	ug/L		41	47 - 150
n-Butylbenzene	ND	E8 M2 R13	25.0	11.8	M2	ug/L		47	54 - 145
n-Propylbenzene	ND	E8 M2 R13	25.0	12.1	M2	ug/L		48	54 - 144
o-Xylene	ND	E8 M2 R13	25.0	11.9	M2	ug/L		47	55 - 143
p-Isopropyltoluene	ND	E8 M2 R13	25.0	11.9	M2	ug/L		48	53 - 147
sec-Butylbenzene	ND	E8 M2 R13	25.0	12.1	M2	ug/L		49	55 - 145
Styrene	ND	E8 R4	25.0	12.3		ug/L		49	21 - 150
tert-Butylbenzene	ND	E8 M2 R13	25.0	11.0	M2	ug/L		44	57 - 143
Tetrachloroethene	ND	E8 R4	25.0	13.4		ug/L		53	37 - 150
Toluene	ND	E8 M2 R13	25.0	12.5	M2	ug/L		50	56 - 141
trans-1,2-Dichloroethene	ND	E8 M2 R13	25.0	11.3	M2	ug/L		45	69 - 136

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-3 MS
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	ND	E8 M2 R13	25.0	12.9	M2	ug/L		51	57 - 147
Trichloroethene	ND	E8 M2 R13	25.0	12.0	M2	ug/L		48	62 - 134
Trichlorofluoromethane	ND	E8 M2 R13	25.0	12.0	M2	ug/L		48	60 - 150
Vinyl acetate	ND	E8 R4	25.0	11.8	E4	ug/L		47	14 - 150
Vinyl chloride	ND	E8 R4	25.0	12.0		ug/L		48	48 - 150
Xylenes, Total	ND	E8 M2 R13	50.0	23.8	M2	ug/L		48	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*14*	*N1 S7*	*70 - 130*
Toluene-d8 (Surr)	*16*	*N1 S7*	*70 - 130*
4-Bromofluorobenzene (Surr)	*16*	*N1 S7*	*70 - 130*

Lab Sample ID: 550-130039-3 MSD
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8 M2 R13	25.0	22.5	R13	ug/L		90	67 - 137	69	35
1,1,1-Trichloroethane	ND	E8 M2 R13	25.0	23.4	R13	ug/L		94	64 - 143	67	35
1,1,2,2-Tetrachloroethane	ND	E8 M2 R13	25.0	25.0	R13	ug/L		100	63 - 136	67	35
1,1,2-Trichloroethane	ND	E8 M2 R13	25.0	26.3	R13	ug/L		105	66 - 137	69	35
1,1-Dichloroethane	ND	E8 M2 R13	25.0	21.8	R13	ug/L		87	70 - 137	69	35
1,1-Dichloroethene	ND	E8 M2 R13	25.0	24.2	R13	ug/L		97	53 - 150	69	35
1,1-Dichloropropene	ND	E8 M2 R13	25.0	20.8	R13	ug/L		83	58 - 141	63	35
1,2,3-Trichlorobenzene	ND	E8 M2 R13	25.0	20.0	R13	ug/L		80	57 - 144	68	35
1,2,3-Trichloropropane	ND	E8 M2 R13	25.0	24.6	R13	ug/L		98	60 - 138	63	35
1,2,4-Trichlorobenzene	ND	E8 M2 R13	25.0	20.9	R13	ug/L		84	58 - 140	69	35
1,2,4-Trimethylbenzene	ND	E8 M2 R13	25.0	24.5	R13	ug/L		98	50 - 147	69	35
1,2-Dibromo-3-Chloropropane	ND	E8 M2 R13	25.0	22.3	R13	ug/L		89	51 - 143	67	35
1,2-Dibromoethane (EDB)	ND	E8 M2 R13	25.0	25.2	R13	ug/L		101	67 - 136	65	35
1,2-Dichlorobenzene	ND	E8 M2 R13	25.0	24.4	R13	ug/L		98	67 - 131	66	35
1,2-Dichloroethane	ND	E8 M2 R13	25.0	19.6	R13	ug/L		78	58 - 146	63	35
1,2-Dichloropropane	ND	E8 M2 R13	25.0	22.7	R13	ug/L		91	66 - 135	64	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-3 MSD
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	ND	E8 M2 R13	25.0	24.7	R13	ug/L		99	50 - 147	74	35
1,3-Dichlorobenzene	ND	E8 M2 R13	25.0	24.7	R13	ug/L		99	68 - 130	67	35
1,3-Dichloropropane	ND	E8 M2 R13	25.0	25.1	R13	ug/L		100	67 - 134	63	35
1,4-Dichlorobenzene	ND	E8 M2 R13	25.0	25.3	R13	ug/L		101	68 - 128	66	35
2,2-Dichloropropane	ND	E8 M2 R13	25.0	23.7	R13	ug/L		95	54 - 150	65	35
2-Butanone (MEK)	6.8	E4 R13 N1 L5 V1	25.0	46.2	N1 R13 V1	ug/L		157	10 - 150	58	35
2-Chlorotoluene	ND	E8 M2 R13	25.0	24.2	R13	ug/L		97	63 - 132	67	35
2-Hexanone	ND	E8 R4 L5	25.0	27.7	R4	ug/L		111	37 - 150	66	35
4-Chlorotoluene	ND	E8 M2 R13	25.0	24.4	R13	ug/L		98	66 - 131	64	35
4-Methyl-2-pentanone (MIBK)	ND	E8 R4	25.0	24.3	R4	ug/L		97	41 - 150	66	35
Acetone	73	N1 L5 V1	25.0	114	N1 V1	ug/L		166	10 - 150	21	35
Benzene	ND	E8 M2 R13	25.0	21.6	R13	ug/L		86	54 - 142	65	35
Bromobenzene	ND	E8 M2 R13	25.0	24.8	R13	ug/L		99	69 - 132	65	35
Bromochloromethane	ND	E8 M2 R13	25.0	24.1	R13	ug/L		96	67 - 145	67	35
Bromodichloromethane	5.6	M2 R13	25.0	27.6	R13	ug/L		88	61 - 143	50	35
Bromoform	ND	E8 M2 R13	25.0	24.6	R13	ug/L		99	57 - 142	67	35
Bromomethane	ND	E8 M2 R13	25.0	19.7	R13	ug/L		79	56 - 149	60	35
Carbon disulfide	ND	E8 M2 R13	25.0	23.4	R13	ug/L		94	48 - 150	66	35
Carbon tetrachloride	ND	E8 M2 R13	25.0	22.3	R13	ug/L		89	60 - 143	66	35
Chlorobenzene	ND	E8 M2 R13	25.0	25.1	R13	ug/L		100	69 - 129	65	35
Chloroethane	ND	E8 M2 R13	25.0	20.9	R13	ug/L		84	60 - 146	67	35
Chloroform	6.5	M2 R13	25.0	27.2	R13	ug/L		83	69 - 138	49	35
Chloromethane	ND	E8 M2 R13	25.0	21.9	R13	ug/L		88	50 - 150	61	35
cis-1,2-Dichloroethene	ND	E8 M2 R13	25.0	19.6	R13	ug/L		78	65 - 139	64	35
cis-1,3-Dichloropropene	ND	E8 M2 R13	25.0	24.9	R13	ug/L		100	57 - 145	66	35
Chlorodibromomethane	3.7	M2 R13	25.0	28.7	R13	ug/L		100	61 - 143	54	35
Dibromomethane	ND	E8 M2 R13	25.0	23.1	R13	ug/L		93	64 - 138	62	35
Dichlorodifluoromethane	ND	E8 R4	25.0	23.7	R4	ug/L		95	21 - 150	66	35
Ethylbenzene	ND	E8 R4	25.0	25.1	R4	ug/L		101	46 - 149	67	35
Hexachlorobutadiene	ND	E8 M2 R13	25.0	22.1	R13	ug/L		89	49 - 146	65	35
Iodomethane	ND	E8 R4	25.0	24.2	R4	ug/L		97	43 - 150	68	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-3 MSD
Matrix: Water
Analysis Batch: 190260

Client Sample ID: AVB 129-02-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	ND	E8 M2 R13	25.0	24.1	R13	ug/L		96	56 - 143	66	35
m,p-Xylenes	ND	E8 M2 R13	25.0	24.4	R13	ug/L		98	52 - 144	69	35
Methylene Chloride	ND	E8 M2 R13	25.0	22.1	R13	ug/L		88	66 - 134	68	35
Methyl tert-butyl ether	ND	E8 M2 R13	25.0	21.9	R13	ug/L		88	56 - 148	65	35
Naphthalene	ND	E8 M2 R13	25.0	20.8	R13	ug/L		83	47 - 150	69	35
n-Butylbenzene	ND	E8 M2 R13	25.0	24.8	R13	ug/L		99	54 - 145	71	35
n-Propylbenzene	ND	E8 M2 R13	25.0	24.0	R13	ug/L		96	54 - 144	66	35
o-Xylene	ND	E8 M2 R13	25.0	23.9	R13	ug/L		96	55 - 143	67	35
p-Isopropyltoluene	ND	E8 M2 R13	25.0	24.1	R13	ug/L		96	53 - 147	68	35
sec-Butylbenzene	ND	E8 M2 R13	25.0	25.3	R13	ug/L		101	55 - 145	70	35
Styrene	ND	E8 R4	25.0	24.4	R4	ug/L		98	21 - 150	66	35
tert-Butylbenzene	ND	E8 M2 R13	25.0	22.7	R13	ug/L		91	57 - 143	70	35
Tetrachloroethene	ND	E8 R4	25.0	26.3	R4	ug/L		105	37 - 150	65	35
Toluene	ND	E8 M2 R13	25.0	25.0	R13	ug/L		100	56 - 141	66	35
trans-1,2-Dichloroethene	ND	E8 M2 R13	25.0	23.1	R13	ug/L		92	69 - 136	68	35
trans-1,3-Dichloropropene	ND	E8 M2 R13	25.0	25.0	R13	ug/L		100	57 - 147	64	35
Trichloroethene	ND	E8 M2 R13	25.0	23.1	R13	ug/L		93	62 - 134	63	35
Trichlorofluoromethane	ND	E8 M2 R13	25.0	24.1	R13	ug/L		96	60 - 150	67	35
Vinyl acetate	ND	E8 R4	25.0	23.3	E4 R4	ug/L		93	14 - 150	66	35
Vinyl chloride	ND	E8 R4	25.0	22.9	R4	ug/L		91	48 - 150	62	35
Xylenes, Total	ND	E8 M2 R13	50.0	48.3	R13	ug/L		97	53 - 145	68	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 550-190278/5
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 11:03	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 11:03	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 11:03	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 11:03	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190278/5
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 11:03	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 11:03	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 11:03	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 11:03	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 11:03	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 11:03	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 11:03	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/23/19 11:03	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 11:03	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 11:03	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 11:03	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 11:03	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 11:03	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 11:03	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 11:03	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 11:03	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 11:03	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/23/19 11:03	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 11:03	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/23/19 11:03	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 11:03	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/23/19 11:03	1
Acetone	ND	E8	20	7.3	ug/L			09/23/19 11:03	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 11:03	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 11:03	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 11:03	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 11:03	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 11:03	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 11:03	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 11:03	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 11:03	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 11:03	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 11:03	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 11:03	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 11:03	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 11:03	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 11:03	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 11:03	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 11:03	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 11:03	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 11:03	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 11:03	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 11:03	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 11:03	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 11:03	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 11:03	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 11:03	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 11:03	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 11:03	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190278/5
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 11:03	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 11:03	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 11:03	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 11:03	1
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 11:03	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 11:03	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 11:03	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 11:03	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 11:03	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/23/19 11:03	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 11:03	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 11:03	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 11:03	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 11:03	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*09/23/19 11:03*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/23/19 11:03*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/23/19 11:03*	*1*

Lab Sample ID: LCS 550-190278/3
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 130
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	70 - 130
1,1,2-Trichloroethane	25.0	26.5		ug/L		106	70 - 130
1,1-Dichloroethane	25.0	26.5		ug/L		106	70 - 130
1,1-Dichloroethene	25.0	26.1		ug/L		104	70 - 130
1,1-Dichloropropene	25.0	26.7		ug/L		107	70 - 130
1,2,3-Trichlorobenzene	25.0	26.7		ug/L		107	70 - 130
1,2,3-Trichloropropane	25.0	24.4		ug/L		98	70 - 130
1,2,4-Trichlorobenzene	25.0	26.4		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.7		ug/L		99	61 - 130
1,2-Dibromoethane (EDB)	25.0	26.0		ug/L		104	70 - 130
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	26.1		ug/L		105	70 - 130
1,2-Dichloropropane	25.0	26.2		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	25.0	24.6		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130
1,3-Dichloropropane	25.0	26.6		ug/L		107	70 - 130
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130
2,2-Dichloropropane	25.0	27.1		ug/L		108	70 - 130
2-Butanone (MEK)	25.0	25.0		ug/L		100	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190278/3
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	25.0	25.1		ug/L		101	70 - 130
2-Hexanone	25.0	24.7		ug/L		99	52 - 138
4-Chlorotoluene	25.0	25.2		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	25.5		ug/L		102	64 - 131
Acetone	25.0	28.8		ug/L		115	18 - 150
Benzene	25.0	25.9		ug/L		104	70 - 130
Bromobenzene	25.0	25.7		ug/L		103	70 - 130
Bromochloromethane	25.0	25.3		ug/L		101	70 - 130
Bromodichloromethane	25.0	25.8		ug/L		103	70 - 130
Bromoform	25.0	26.7		ug/L		107	70 - 130
Bromomethane	25.0	24.3		ug/L		97	62 - 136
Carbon disulfide	25.0	25.4		ug/L		102	70 - 130
Carbon tetrachloride	25.0	27.1		ug/L		108	70 - 130
Chlorobenzene	25.0	25.6		ug/L		103	70 - 130
Chloroethane	25.0	26.3		ug/L		105	70 - 130
Chloroform	25.0	25.5		ug/L		102	80 - 120
Chloromethane	25.0	25.8		ug/L		103	64 - 134
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	70 - 130
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	70 - 130
Chlorodibromomethane	25.0	25.4		ug/L		102	70 - 130
Dibromomethane	25.0	25.7		ug/L		103	70 - 130
Dichlorodifluoromethane	25.0	25.6		ug/L		103	29 - 150
Ethylbenzene	25.0	25.6		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	26.6		ug/L		107	70 - 130
Iodomethane	25.0	26.1		ug/L		104	70 - 136
Isopropylbenzene	25.0	25.9		ug/L		103	70 - 130
m,p-Xylenes	25.0	25.6		ug/L		103	70 - 130
Methylene Chloride	25.0	24.4		ug/L		97	70 - 130
Methyl tert-butyl ether	25.0	24.1		ug/L		96	70 - 132
Naphthalene	25.0	26.5		ug/L		106	70 - 130
n-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
n-Propylbenzene	25.0	25.8		ug/L		103	70 - 130
o-Xylene	25.0	26.1		ug/L		105	70 - 130
p-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130
sec-Butylbenzene	25.0	25.4		ug/L		102	70 - 130
Styrene	25.0	25.8		ug/L		103	70 - 130
tert-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
Tetrachloroethene	25.0	25.8		ug/L		103	70 - 130
Toluene	25.0	26.0		ug/L		104	80 - 120
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	70 - 130
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	70 - 130
Trichloroethene	25.0	26.3		ug/L		105	70 - 130
Trichlorofluoromethane	25.0	24.9		ug/L		100	70 - 130
Vinyl acetate	25.0	24.7	E4	ug/L		99	63 - 147
Vinyl chloride	25.0	26.2		ug/L		105	70 - 130
Xylenes, Total	50.0	51.7		ug/L		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190278/3
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 550-190278/4
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.8		ug/L		103	70 - 130	1	20
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 130	3	20
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	70 - 130	1	20
1,1-Dichloroethane	25.0	26.5		ug/L		106	70 - 130	0	20
1,1-Dichloroethene	25.0	25.9		ug/L		104	70 - 130	1	20
1,1-Dichloropropene	25.0	25.9		ug/L		104	70 - 130	3	20
1,2,3-Trichlorobenzene	25.0	27.4		ug/L		109	70 - 130	2	20
1,2,3-Trichloropropane	25.0	25.6		ug/L		102	70 - 130	5	20
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	70 - 130	1	20
1,2,4-Trimethylbenzene	25.0	24.9		ug/L		100	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		102	61 - 130	3	21
1,2-Dibromoethane (EDB)	25.0	25.8		ug/L		103	70 - 130	1	20
1,2-Dichlorobenzene	25.0	24.9		ug/L		99	70 - 130	0	20
1,2-Dichloroethane	25.0	26.0		ug/L		104	70 - 130	1	20
1,2-Dichloropropane	25.0	26.1		ug/L		104	70 - 130	0	20
1,3,5-Trimethylbenzene	25.0	25.0		ug/L		100	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	25.0	26.5		ug/L		106	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130	0	20
2,2-Dichloropropane	25.0	26.4		ug/L		105	70 - 130	3	20
2-Butanone (MEK)	25.0	27.3		ug/L		109	50 - 150	9	34
2-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130	2	20
2-Hexanone	25.0	25.4		ug/L		101	52 - 138	3	29
4-Chlorotoluene	25.0	25.1		ug/L		100	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	25.0	26.1		ug/L		104	64 - 131	2	23
Acetone	25.0	26.7		ug/L		107	18 - 150	7	35
Benzene	25.0	25.3		ug/L		101	70 - 130	2	20
Bromobenzene	25.0	25.8		ug/L		103	70 - 130	0	20
Bromochloromethane	25.0	25.5		ug/L		102	70 - 130	1	20
Bromodichloromethane	25.0	26.0		ug/L		104	70 - 130	1	20
Bromoform	25.0	27.2		ug/L		109	70 - 130	2	20
Bromomethane	25.0	23.7		ug/L		95	62 - 136	2	20
Carbon disulfide	25.0	25.0		ug/L		100	70 - 130	1	20
Carbon tetrachloride	25.0	26.7		ug/L		107	70 - 130	1	20
Chlorobenzene	25.0	25.6		ug/L		103	70 - 130	0	20
Chloroethane	25.0	25.6		ug/L		102	70 - 130	3	20
Chloroform	25.0	25.6		ug/L		103	80 - 120	0	20
Chloromethane	25.0	25.6		ug/L		102	64 - 134	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190278/4
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 130	1	20
Chlorodibromomethane	25.0	25.2		ug/L		101	70 - 130	1	20
Dibromomethane	25.0	26.2		ug/L		105	70 - 130	2	20
Dichlorodifluoromethane	25.0	25.4		ug/L		101	29 - 150	1	21
Ethylbenzene	25.0	25.0		ug/L		100	80 - 120	2	20
Hexachlorobutadiene	25.0	26.1		ug/L		105	70 - 130	2	20
Iodomethane	25.0	26.2		ug/L		105	70 - 136	1	20
Isopropylbenzene	25.0	25.4		ug/L		102	70 - 130	2	20
m,p-Xylenes	25.0	25.2		ug/L		101	70 - 130	2	20
Methylene Chloride	25.0	24.4		ug/L		97	70 - 130	0	20
Methyl tert-butyl ether	25.0	24.8		ug/L		99	70 - 132	3	20
Naphthalene	25.0	27.4		ug/L		110	70 - 130	3	20
n-Butylbenzene	25.0	25.5		ug/L		102	70 - 130	0	20
n-Propylbenzene	25.0	25.5		ug/L		102	70 - 130	1	20
o-Xylene	25.0	25.6		ug/L		102	70 - 130	2	20
p-Isopropyltoluene	25.0	25.4		ug/L		102	70 - 130	0	20
sec-Butylbenzene	25.0	25.1		ug/L		101	70 - 130	1	20
Styrene	25.0	25.5		ug/L		102	70 - 130	1	20
tert-Butylbenzene	25.0	25.3		ug/L		101	70 - 130	1	20
Tetrachloroethene	25.0	25.6		ug/L		102	70 - 130	1	20
Toluene	25.0	25.7		ug/L		103	80 - 120	1	20
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	26.9		ug/L		107	70 - 130	2	20
Trichloroethene	25.0	25.4		ug/L		102	70 - 130	4	20
Trichlorofluoromethane	25.0	24.9		ug/L		100	70 - 130	0	20
Vinyl acetate	25.0	25.9		ug/L		104	63 - 147	5	20
Vinyl chloride	25.0	26.4		ug/L		106	70 - 130	1	20
Xylenes, Total	50.0	50.8		ug/L		102	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 550-190280/7
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/23/19 12:25	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/23/19 12:25	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/23/19 12:25	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 12:25	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/23/19 12:25	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/23/19 12:25	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/23/19 12:25	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/23/19 12:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190280/7
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/23/19 12:25	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/23/19 12:25	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/23/19 12:25	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/23/19 12:25	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/23/19 12:25	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/23/19 12:25	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/23/19 12:25	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/23/19 12:25	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 12:25	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/23/19 12:25	1
1,3-Dichloropropane	ND	E8 V1	2.0	0.23	ug/L			09/23/19 12:25	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 12:25	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/23/19 12:25	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			09/23/19 12:25	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/23/19 12:25	1
2-Hexanone	ND	E8 V1	10	1.5	ug/L			09/23/19 12:25	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/23/19 12:25	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/23/19 12:25	1
Acetone	ND	E8 V1	20	7.3	ug/L			09/23/19 12:25	1
Benzene	ND	E8	2.0	0.12	ug/L			09/23/19 12:25	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/23/19 12:25	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/23/19 12:25	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/23/19 12:25	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/23/19 12:25	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/23/19 12:25	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/23/19 12:25	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/23/19 12:25	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/23/19 12:25	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/23/19 12:25	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/23/19 12:25	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/23/19 12:25	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/23/19 12:25	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/23/19 12:25	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/23/19 12:25	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/23/19 12:25	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 12:25	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/23/19 12:25	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/23/19 12:25	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/23/19 12:25	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/23/19 12:25	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/23/19 12:25	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/23/19 12:25	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/23/19 12:25	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/23/19 12:25	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/23/19 12:25	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/23/19 12:25	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/23/19 12:25	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/23/19 12:25	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/23/19 12:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190280/7
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	E8	2.0	0.17	ug/L			09/23/19 12:25	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/23/19 12:25	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/23/19 12:25	1
Toluene	ND	E8	2.0	0.28	ug/L			09/23/19 12:25	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/23/19 12:25	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/23/19 12:25	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/23/19 12:25	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/23/19 12:25	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/23/19 12:25	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/23/19 12:25	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/23/19 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/23/19 12:25*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*09/23/19 12:25*	*1*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*09/23/19 12:25*	*1*

Lab Sample ID: LCS 550-190280/3
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 130
1,1,1-Trichloroethane	25.0	24.8		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	25.0	29.2		ug/L		117	70 - 130
1,1,2-Trichloroethane	25.0	30.4		ug/L		122	70 - 130
1,1-Dichloroethane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloroethene	25.0	24.5		ug/L		98	70 - 130
1,1-Dichloropropene	25.0	21.1		ug/L		85	70 - 130
1,2,3-Trichlorobenzene	25.0	21.7		ug/L		87	70 - 130
1,2,3-Trichloropropane	25.0	29.3		ug/L		117	70 - 130
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	70 - 130
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		106	61 - 130
1,2-Dibromoethane (EDB)	25.0	30.0		ug/L		120	70 - 130
1,2-Dichlorobenzene	25.0	26.6		ug/L		106	70 - 130
1,2-Dichloroethane	25.0	23.3		ug/L		93	70 - 130
1,2-Dichloropropane	25.0	25.6		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	25.0	27.3		ug/L		109	70 - 130
1,3-Dichlorobenzene	25.0	27.0		ug/L		108	70 - 130
1,3-Dichloropropane	25.0	31.7	V1	ug/L		127	70 - 130
1,4-Dichlorobenzene	25.0	27.4		ug/L		110	70 - 130
2,2-Dichloropropane	25.0	24.9		ug/L		100	70 - 130
2-Butanone (MEK)	25.0	45.8	L5 V1	ug/L		183	50 - 150
2-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130
2-Hexanone	25.0	37.2	L5 V1	ug/L		149	52 - 138
4-Chlorotoluene	25.0	27.2		ug/L		109	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	30.2		ug/L		121	64 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190280/3
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	25.0	47.5	L5 V1	ug/L		190	18 - 150
Benzene	25.0	22.6		ug/L		90	70 - 130
Bromobenzene	25.0	27.2		ug/L		109	70 - 130
Bromochloromethane	25.0	25.3		ug/L		101	70 - 130
Bromodichloromethane	25.0	24.9		ug/L		99	70 - 130
Bromoform	25.0	26.9		ug/L		107	70 - 130
Bromomethane	25.0	22.3		ug/L		89	62 - 136
Carbon disulfide	25.0	26.3		ug/L		105	70 - 130
Carbon tetrachloride	25.0	21.5		ug/L		86	70 - 130
Chlorobenzene	25.0	27.7		ug/L		111	70 - 130
Chloroethane	25.0	24.7		ug/L		99	70 - 130
Chloroform	25.0	23.2		ug/L		93	80 - 120
Chloromethane	25.0	25.2		ug/L		101	64 - 134
cis-1,2-Dichloroethene	25.0	20.6		ug/L		83	70 - 130
cis-1,3-Dichloropropene	25.0	28.3		ug/L		113	70 - 130
Chlorodibromomethane	25.0	28.3		ug/L		113	70 - 130
Dibromomethane	25.0	27.4		ug/L		110	70 - 130
Dichlorodifluoromethane	25.0	26.7		ug/L		107	29 - 150
Ethylbenzene	25.0	25.9		ug/L		104	80 - 120
Hexachlorobutadiene	25.0	21.3		ug/L		85	70 - 130
Iodomethane	25.0	26.1		ug/L		104	70 - 136
Isopropylbenzene	25.0	25.4		ug/L		102	70 - 130
m,p-Xylenes	25.0	25.6		ug/L		103	70 - 130
Methylene Chloride	25.0	25.2		ug/L		101	70 - 130
Methyl tert-butyl ether	25.0	27.6		ug/L		110	70 - 132
Naphthalene	25.0	23.1		ug/L		92	70 - 130
n-Butylbenzene	25.0	25.4		ug/L		101	70 - 130
n-Propylbenzene	25.0	25.4		ug/L		102	70 - 130
o-Xylene	25.0	25.5		ug/L		102	70 - 130
p-Isopropyltoluene	25.0	25.2		ug/L		101	70 - 130
sec-Butylbenzene	25.0	25.8		ug/L		103	70 - 130
Styrene	25.0	27.0		ug/L		108	70 - 130
tert-Butylbenzene	25.0	23.6		ug/L		94	70 - 130
Tetrachloroethene	25.0	26.9		ug/L		108	70 - 130
Toluene	25.0	26.0		ug/L		104	80 - 120
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	70 - 130
trans-1,3-Dichloropropene	25.0	30.3		ug/L		121	70 - 130
Trichloroethene	25.0	24.3		ug/L		97	70 - 130
Trichlorofluoromethane	25.0	24.1		ug/L		97	70 - 130
Vinyl acetate	25.0	28.9		ug/L		116	63 - 147
Vinyl chloride	25.0	23.2		ug/L		93	70 - 130
Xylenes, Total	50.0	51.1		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190280/4
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.3		ug/L		101	70 - 130	8	20
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	70 - 130	8	20
1,1,2,2-Tetrachloroethane	25.0	30.7		ug/L		123	70 - 130	5	20
1,1,2-Trichloroethane	25.0	32.5		ug/L		130	70 - 130	7	20
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130	2	20
1,1-Dichloroethene	25.0	25.6		ug/L		102	70 - 130	5	20
1,1-Dichloropropene	25.0	21.7		ug/L		87	70 - 130	3	20
1,2,3-Trichlorobenzene	25.0	22.9		ug/L		92	70 - 130	5	20
1,2,3-Trichloropropane	25.0	30.2		ug/L		121	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	70 - 130	8	20
1,2,4-Trimethylbenzene	25.0	28.1		ug/L		112	70 - 130	6	20
1,2-Dibromo-3-Chloropropane	25.0	32.8	L5 R1	ug/L		131	61 - 130	22	21
1,2-Dibromoethane (EDB)	25.0	31.7		ug/L		127	70 - 130	5	20
1,2-Dichlorobenzene	25.0	28.5		ug/L		114	70 - 130	7	20
1,2-Dichloroethane	25.0	23.9		ug/L		95	70 - 130	3	20
1,2-Dichloropropane	25.0	25.5		ug/L		102	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	28.4		ug/L		114	70 - 130	4	20
1,3-Dichlorobenzene	25.0	28.1		ug/L		112	70 - 130	4	20
1,3-Dichloropropane	25.0	32.3	V1	ug/L		129	70 - 130	2	20
1,4-Dichlorobenzene	25.0	28.8		ug/L		115	70 - 130	5	20
2,2-Dichloropropane	25.0	26.9		ug/L		108	70 - 130	8	20
2-Butanone (MEK)	25.0	54.5	L5 V1	ug/L		218	50 - 150	18	34
2-Chlorotoluene	25.0	27.6		ug/L		111	70 - 130	7	20
2-Hexanone	25.0	41.8	L5 V1	ug/L		167	52 - 138	12	29
4-Chlorotoluene	25.0	28.4		ug/L		113	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	25.0	33.5	L5	ug/L		134	64 - 131	10	23
Acetone	25.0	48.3	L5 V1	ug/L		193	18 - 150	2	35
Benzene	25.0	23.2		ug/L		93	70 - 130	2	20
Bromobenzene	25.0	27.2		ug/L		109	70 - 130	0	20
Bromochloromethane	25.0	27.2		ug/L		109	70 - 130	7	20
Bromodichloromethane	25.0	25.8		ug/L		103	70 - 130	4	20
Bromoform	25.0	27.9		ug/L		112	70 - 130	4	20
Bromomethane	25.0	24.8		ug/L		99	62 - 136	11	20
Carbon disulfide	25.0	27.4		ug/L		110	70 - 130	4	20
Carbon tetrachloride	25.0	22.9		ug/L		92	70 - 130	6	20
Chlorobenzene	25.0	29.2		ug/L		117	70 - 130	5	20
Chloroethane	25.0	25.6		ug/L		102	70 - 130	4	20
Chloroform	25.0	25.3		ug/L		101	80 - 120	9	20
Chloromethane	25.0	28.9		ug/L		116	64 - 134	14	20
cis-1,2-Dichloroethene	25.0	21.4		ug/L		86	70 - 130	4	20
cis-1,3-Dichloropropene	25.0	29.2		ug/L		117	70 - 130	3	20
Chlorodibromomethane	25.0	30.2		ug/L		121	70 - 130	7	20
Dibromomethane	25.0	27.0		ug/L		108	70 - 130	1	20
Dichlorodifluoromethane	25.0	31.3		ug/L		125	29 - 150	16	21
Ethylbenzene	25.0	28.0		ug/L		112	80 - 120	8	20
Hexachlorobutadiene	25.0	23.5		ug/L		94	70 - 130	10	20
Iodomethane	25.0	28.2		ug/L		113	70 - 136	8	20
Isopropylbenzene	25.0	26.3		ug/L		105	70 - 130	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190280/4
Matrix: Water
Analysis Batch: 190280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylenes	25.0	25.8		ug/L		103	70 - 130	1	20
Methylene Chloride	25.0	25.7		ug/L		103	70 - 130	2	20
Methyl tert-butyl ether	25.0	28.1		ug/L		112	70 - 132	2	20
Naphthalene	25.0	26.0		ug/L		104	70 - 130	12	20
n-Butylbenzene	25.0	28.5		ug/L		114	70 - 130	12	20
n-Propylbenzene	25.0	26.9		ug/L		108	70 - 130	6	20
o-Xylene	25.0	26.0		ug/L		104	70 - 130	2	20
p-Isopropyltoluene	25.0	27.3		ug/L		109	70 - 130	8	20
sec-Butylbenzene	25.0	27.9		ug/L		112	70 - 130	8	20
Styrene	25.0	27.2		ug/L		109	70 - 130	1	20
tert-Butylbenzene	25.0	24.7		ug/L		99	70 - 130	5	20
Tetrachloroethene	25.0	28.2		ug/L		113	70 - 130	5	20
Toluene	25.0	26.8		ug/L		107	80 - 120	3	20
trans-1,2-Dichloroethene	25.0	25.6		ug/L		103	70 - 130	5	20
trans-1,3-Dichloropropene	25.0	32.7	L5	ug/L		131	70 - 130	8	20
Trichloroethene	25.0	25.6		ug/L		103	70 - 130	5	20
Trichlorofluoromethane	25.0	25.8		ug/L		103	70 - 130	7	20
Vinyl acetate	25.0	29.1		ug/L		116	63 - 147	1	20
Vinyl chloride	25.0	28.2		ug/L		113	70 - 130	19	20
Xylenes, Total	50.0	51.8		ug/L		104	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 550-130039-20 MS
Matrix: Water
Analysis Batch: 190280

Client Sample ID: AVB 78-02-20190918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.1		ug/L		96	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	26.5		ug/L		106	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	28.9		ug/L		116	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	29.6		ug/L		119	66 - 137
1,1-Dichloroethane	ND	E8	25.0	25.4		ug/L		102	70 - 137
1,1-Dichloroethene	ND	E8	25.0	27.0		ug/L		108	53 - 150
1,1-Dichloropropene	ND	E8	25.0	23.9		ug/L		95	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	22.4		ug/L		90	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	28.3		ug/L		113	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	23.1		ug/L		92	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	28.0		ug/L		112	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	25.0	26.3		ug/L		105	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	29.2		ug/L		117	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	27.5		ug/L		110	67 - 131
1,2-Dichloroethane	ND	E8	25.0	22.8		ug/L		91	58 - 146
1,2-Dichloropropane	ND	E8	25.0	26.2		ug/L		105	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	27.1		ug/L		108	50 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-20 MS
Matrix: Water
Analysis Batch: 190280

Client Sample ID: AVB 78-02-20190918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	ND	E8	25.0	27.8		ug/L		111	68 - 130
1,3-Dichloropropane	ND	E8 V1	25.0	29.5	V1	ug/L		118	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	27.6		ug/L		110	68 - 128
2,2-Dichloropropane	ND	E8	25.0	27.4		ug/L		110	54 - 150
2-Butanone (MEK)	ND	E8 N1 V1 L5	25.0	43.2	N1 V1	ug/L		173	10 - 150
2-Chlorotoluene	ND	E8	25.0	27.9		ug/L		112	63 - 132
2-Hexanone	ND	E8 V1 L5	25.0	35.7	V1	ug/L		143	37 - 150
4-Chlorotoluene	ND	E8	25.0	28.9		ug/L		116	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	25.0	30.2		ug/L		121	41 - 150
Acetone	ND	E8 N1 V1 L5	25.0	44.7	N1 V1	ug/L		179	10 - 150
Benzene	ND	E8	25.0	24.2		ug/L		97	54 - 142
Bromobenzene	ND	E8	25.0	27.5		ug/L		110	69 - 132
Bromochloromethane	ND	E8	25.0	25.7		ug/L		103	67 - 145
Bromodichloromethane	ND	E8	25.0	26.2		ug/L		105	61 - 143
Bromoform	ND	E8	25.0	27.3		ug/L		109	57 - 142
Bromomethane	ND	E8	25.0	25.1		ug/L		100	56 - 149
Carbon disulfide	ND	E8	25.0	28.6		ug/L		114	48 - 150
Carbon tetrachloride	ND	E8	25.0	24.7		ug/L		99	60 - 143
Chlorobenzene	ND	E8	25.0	27.5		ug/L		110	69 - 129
Chloroethane	ND	E8	25.0	27.1		ug/L		108	60 - 146
Chloroform	ND	E8	25.0	24.6		ug/L		99	69 - 138
Chloromethane	ND	E8	25.0	30.2		ug/L		121	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	21.8		ug/L		87	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	29.2		ug/L		117	57 - 145
Chlorodibromomethane	ND	E8	25.0	28.1		ug/L		112	61 - 143
Dibromomethane	ND	E8	25.0	26.3		ug/L		105	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	32.1		ug/L		129	21 - 150
Ethylbenzene	ND	E8	25.0	27.3		ug/L		109	46 - 149
Hexachlorobutadiene	ND	E8	25.0	24.0		ug/L		96	49 - 146
Iodomethane	ND	E8	25.0	27.6		ug/L		111	43 - 150
Isopropylbenzene	ND	E8	25.0	27.5		ug/L		110	56 - 143
m,p-Xylenes	ND	E8	25.0	27.1		ug/L		109	52 - 144
Methylene Chloride	ND	E8	25.0	25.6		ug/L		103	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	26.7		ug/L		107	56 - 148
Naphthalene	ND	E8	25.0	23.4		ug/L		94	47 - 150
n-Butylbenzene	ND	E8	25.0	28.7		ug/L		115	54 - 145
n-Propylbenzene	ND	E8	25.0	27.6		ug/L		110	54 - 144
o-Xylene	ND	E8	25.0	26.5		ug/L		106	55 - 143
p-Isopropyltoluene	ND	E8	25.0	27.8		ug/L		111	53 - 147
sec-Butylbenzene	ND	E8	25.0	28.5		ug/L		114	55 - 145
Styrene	ND	E8	25.0	27.9		ug/L		112	21 - 150
tert-Butylbenzene	ND	E8	25.0	25.6		ug/L		103	57 - 143
Tetrachloroethene	ND	E8	25.0	28.6		ug/L		115	37 - 150
Toluene	ND	E8	25.0	27.4		ug/L		109	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	26.1		ug/L		105	69 - 136
trans-1,3-Dichloropropene	ND	E8 L5	25.0	30.9		ug/L		124	57 - 147
Trichloroethene	ND	E8	25.0	26.5		ug/L		106	62 - 134

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-20 MS — **Client Sample ID: AVB 78-02-20190918**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	ND	E8	25.0	28.4		ug/L		114	60 - 150
Vinyl acetate	ND	E8	25.0	31.9		ug/L		128	14 - 150
Vinyl chloride	ND	E8	25.0	28.7		ug/L		115	48 - 150
Xylenes, Total	ND	E8	50.0	53.6		ug/L		107	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 550-130039-20 MSD — **Client Sample ID: AVB 78-02-20190918**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 190280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	23.6		ug/L		95	67 - 137	2	35
1,1,1-Trichloroethane	ND	E8	25.0	24.7		ug/L		99	64 - 143	7	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	27.9		ug/L		112	63 - 136	3	35
1,1,2-Trichloroethane	ND	E8	25.0	28.9		ug/L		115	66 - 137	3	35
1,1-Dichloroethane	ND	E8	25.0	23.6		ug/L		94	70 - 137	8	35
1,1-Dichloroethene	ND	E8	25.0	23.7		ug/L		95	53 - 150	13	35
1,1-Dichloropropene	ND	E8	25.0	24.8		ug/L		99	58 - 141	4	35
1,2,3-Trichlorobenzene	ND	E8	25.0	20.9		ug/L		84	57 - 144	7	35
1,2,3-Trichloropropane	ND	E8	25.0	26.3		ug/L		105	60 - 138	7	35
1,2,4-Trichlorobenzene	ND	E8	25.0	22.0		ug/L		88	58 - 140	5	35
1,2,4-Trimethylbenzene	ND	E8	25.0	26.4		ug/L		106	50 - 147	6	35
1,2-Dibromo-3-Chloropropane	ND	E8 L5 R1	25.0	24.2		ug/L		97	51 - 143	8	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	28.3		ug/L		113	67 - 136	3	35
1,2-Dichlorobenzene	ND	E8	25.0	26.2		ug/L		105	67 - 131	5	35
1,2-Dichloroethane	ND	E8	25.0	24.6		ug/L		98	58 - 146	7	35
1,2-Dichloropropane	ND	E8	25.0	25.3		ug/L		101	66 - 135	3	35
1,3,5-Trimethylbenzene	ND	E8	25.0	27.6		ug/L		110	50 - 147	2	35
1,3-Dichlorobenzene	ND	E8	25.0	26.7		ug/L		107	68 - 130	4	35
1,3-Dichloropropane	ND	E8 V1	25.0	29.2	V1	ug/L		117	67 - 134	1	35
1,4-Dichlorobenzene	ND	E8	25.0	26.1		ug/L		104	68 - 128	5	35
2,2-Dichloropropane	ND	E8	25.0	25.7		ug/L		103	54 - 150	6	35
2-Butanone (MEK)	ND	E8 N1 V1 L5	25.0	40.3	N1 V1	ug/L		161	10 - 150	7	35
2-Chlorotoluene	ND	E8	25.0	26.4		ug/L		106	63 - 132	5	35
2-Hexanone	ND	E8 V1 L5	25.0	34.5	V1	ug/L		138	37 - 150	4	35
4-Chlorotoluene	ND	E8	25.0	27.2		ug/L		109	66 - 131	6	35
4-Methyl-2-pentanone (MIBK)	ND	E8 L5	25.0	29.8		ug/L		119	41 - 150	1	35
Acetone	ND	E8 N1 V1 L5	25.0	47.3	N1 V1	ug/L		189	10 - 150	6	35
Benzene	ND	E8	25.0	24.9		ug/L		100	54 - 142	3	35
Bromobenzene	ND	E8	25.0	26.6		ug/L		106	69 - 132	3	35
Bromochloromethane	ND	E8	25.0	23.9		ug/L		96	67 - 145	7	35
Bromodichloromethane	ND	E8	25.0	25.3		ug/L		101	61 - 143	4	35
Bromoform	ND	E8	25.0	24.2		ug/L		97	57 - 142	12	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-20 MSD
Matrix: Water
Analysis Batch: 190280

Client Sample ID: AVB 78-02-20190918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND	E8	25.0	21.4		ug/L		86	56 - 149	16	35
Carbon disulfide	ND	E8	25.0	23.9		ug/L		96	48 - 150	18	35
Carbon tetrachloride	ND	E8	25.0	25.3		ug/L		101	60 - 143	2	35
Chlorobenzene	ND	E8	25.0	27.2		ug/L		109	69 - 129	1	35
Chloroethane	ND	E8	25.0	23.4		ug/L		94	60 - 146	15	35
Chloroform	ND	E8	25.0	23.4		ug/L		94	69 - 138	5	35
Chloromethane	ND	E8	25.0	24.7		ug/L		99	50 - 150	20	35
cis-1,2-Dichloroethene	ND	E8	25.0	22.3		ug/L		89	65 - 139	2	35
cis-1,3-Dichloropropene	ND	E8	25.0	27.8		ug/L		111	57 - 145	5	35
Chlorodibromomethane	ND	E8	25.0	26.4		ug/L		106	61 - 143	6	35
Dibromomethane	ND	E8	25.0	26.3		ug/L		105	64 - 138	0	35
Dichlorodifluoromethane	ND	E8	25.0	28.2		ug/L		113	21 - 150	13	35
Ethylbenzene	ND	E8	25.0	26.7		ug/L		107	46 - 149	2	35
Hexachlorobutadiene	ND	E8	25.0	23.5		ug/L		94	49 - 146	2	35
Iodomethane	ND	E8	25.0	23.8		ug/L		95	43 - 150	15	35
Isopropylbenzene	ND	E8	25.0	26.4		ug/L		106	56 - 143	4	35
m,p-Xylenes	ND	E8	25.0	26.4		ug/L		106	52 - 144	3	35
Methylene Chloride	ND	E8	25.0	21.5		ug/L		86	66 - 134	17	35
Methyl tert-butyl ether	ND	E8	25.0	22.5		ug/L		90	56 - 148	17	35
Naphthalene	ND	E8	25.0	22.2		ug/L		89	47 - 150	5	35
n-Butylbenzene	ND	E8	25.0	26.7		ug/L		107	54 - 145	7	35
n-Propylbenzene	ND	E8	25.0	26.8		ug/L		107	54 - 144	3	35
o-Xylene	ND	E8	25.0	25.8		ug/L		103	55 - 143	2	35
p-Isopropyltoluene	ND	E8	25.0	26.4		ug/L		106	53 - 147	5	35
sec-Butylbenzene	ND	E8	25.0	27.8		ug/L		111	55 - 145	3	35
Styrene	ND	E8	25.0	26.7		ug/L		107	21 - 150	4	35
tert-Butylbenzene	ND	E8	25.0	25.0		ug/L		100	57 - 143	3	35
Tetrachloroethene	ND	E8	25.0	28.5		ug/L		114	37 - 150	0	35
Toluene	ND	E8	25.0	26.9		ug/L		107	56 - 141	2	35
trans-1,2-Dichloroethene	ND	E8	25.0	22.9		ug/L		91	69 - 136	13	35
trans-1,3-Dichloropropene	ND	E8 L5	25.0	29.2		ug/L		117	57 - 147	6	35
Trichloroethene	ND	E8	25.0	27.1		ug/L		108	62 - 134	2	35
Trichlorofluoromethane	ND	E8	25.0	25.1		ug/L		100	60 - 150	12	35
Vinyl acetate	ND	E8	25.0	25.9		ug/L		104	14 - 150	21	35
Vinyl chloride	ND	E8	25.0	24.2		ug/L		97	48 - 150	17	35
Xylenes, Total	ND	E8	50.0	52.2		ug/L		104	53 - 145	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 550-190369/5
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/24/19 21:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190369/5
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/24/19 21:32	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/24/19 21:32	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/24/19 21:32	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/24/19 21:32	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/24/19 21:32	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/24/19 21:32	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/24/19 21:32	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/24/19 21:32	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/24/19 21:32	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/24/19 21:32	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/24/19 21:32	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/24/19 21:32	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/24/19 21:32	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/24/19 21:32	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/24/19 21:32	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/24/19 21:32	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/24/19 21:32	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/24/19 21:32	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/24/19 21:32	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/24/19 21:32	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/24/19 21:32	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/24/19 21:32	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/24/19 21:32	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/24/19 21:32	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/24/19 21:32	1
Acetone	ND	E8	20	7.3	ug/L			09/24/19 21:32	1
Benzene	ND	E8	2.0	0.12	ug/L			09/24/19 21:32	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/24/19 21:32	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/24/19 21:32	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/24/19 21:32	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/24/19 21:32	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/24/19 21:32	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/24/19 21:32	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/24/19 21:32	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/24/19 21:32	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/24/19 21:32	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/24/19 21:32	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/24/19 21:32	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/24/19 21:32	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/24/19 21:32	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/24/19 21:32	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/24/19 21:32	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/24/19 21:32	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/24/19 21:32	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/24/19 21:32	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/24/19 21:32	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/24/19 21:32	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/24/19 21:32	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/24/19 21:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190369/5
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/24/19 21:32	1
Naphthalene	0.516	E4	5.0	0.51	ug/L			09/24/19 21:32	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/24/19 21:32	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/24/19 21:32	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/24/19 21:32	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/24/19 21:32	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/24/19 21:32	1
Styrene	ND	E8	2.0	0.17	ug/L			09/24/19 21:32	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/24/19 21:32	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/24/19 21:32	1
Toluene	ND	E8	2.0	0.28	ug/L			09/24/19 21:32	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/24/19 21:32	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/24/19 21:32	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/24/19 21:32	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/24/19 21:32	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/24/19 21:32	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/24/19 21:32	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/24/19 21:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/24/19 21:32*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*09/24/19 21:32*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/24/19 21:32*	*1*

Lab Sample ID: LCS 550-190369/3
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.0		ug/L		96	70 - 130
1,1,1-Trichloroethane	25.0	24.4		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	70 - 130
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	70 - 130
1,1-Dichloroethane	25.0	24.1		ug/L		96	70 - 130
1,1-Dichloroethene	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloropropene	25.0	25.3		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	25.0	24.2		ug/L		97	70 - 130
1,2,3-Trichloropropane	25.0	26.0		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		103	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.8		ug/L		99	70 - 130
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	70 - 130
1,2-Dichloroethane	25.0	24.7		ug/L		99	70 - 130
1,2-Dichloropropane	25.0	24.7		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	25.0	25.5		ug/L		102	70 - 130
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	70 - 130
1,3-Dichloropropane	25.0	25.6		ug/L		102	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190369/3
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130
2,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130
2-Butanone (MEK)	25.0	30.1		ug/L		120	50 - 150
2-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130
2-Hexanone	25.0	27.8		ug/L		111	52 - 138
4-Chlorotoluene	25.0	24.2		ug/L		97	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	28.9		ug/L		116	64 - 131
Acetone	25.0	34.5		ug/L		138	18 - 150
Benzene	25.0	25.3		ug/L		101	70 - 130
Bromobenzene	25.0	25.1		ug/L		100	70 - 130
Bromochloromethane	25.0	25.6		ug/L		102	70 - 130
Bromodichloromethane	25.0	25.0		ug/L		100	70 - 130
Bromoform	25.0	25.0		ug/L		100	70 - 130
Bromomethane	25.0	24.2		ug/L		97	62 - 136
Carbon disulfide	25.0	27.4		ug/L		110	70 - 130
Carbon tetrachloride	25.0	24.4		ug/L		98	70 - 130
Chlorobenzene	25.0	24.3		ug/L		97	70 - 130
Chloroethane	25.0	26.6		ug/L		106	70 - 130
Chloroform	25.0	23.9		ug/L		96	80 - 120
Chloromethane	25.0	26.5		ug/L		106	64 - 134
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	70 - 130
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	70 - 130
Chlorodibromomethane	25.0	24.5		ug/L		98	70 - 130
Dibromomethane	25.0	26.6		ug/L		106	70 - 130
Dichlorodifluoromethane	25.0	22.9		ug/L		91	29 - 150
Ethylbenzene	25.0	24.7		ug/L		99	80 - 120
Hexachlorobutadiene	25.0	23.9		ug/L		96	70 - 130
Iodomethane	25.0	26.0		ug/L		104	70 - 136
Isopropylbenzene	25.0	25.4		ug/L		102	70 - 130
m,p-Xylenes	25.0	25.8		ug/L		103	70 - 130
Methylene Chloride	25.0	23.0		ug/L		92	70 - 130
Methyl tert-butyl ether	25.0	26.1		ug/L		105	70 - 132
Naphthalene	25.0	25.0		ug/L		100	70 - 130
n-Butylbenzene	25.0	24.9		ug/L		100	70 - 130
n-Propylbenzene	25.0	25.1		ug/L		100	70 - 130
o-Xylene	25.0	25.9		ug/L		104	70 - 130
p-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130
sec-Butylbenzene	25.0	25.1		ug/L		101	70 - 130
Styrene	25.0	26.1		ug/L		104	70 - 130
tert-Butylbenzene	25.0	25.7		ug/L		103	70 - 130
Tetrachloroethene	25.0	24.3		ug/L		97	70 - 130
Toluene	25.0	25.3		ug/L		101	80 - 120
trans-1,2-Dichloroethene	25.0	24.6		ug/L		98	70 - 130
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	70 - 130
Trichloroethene	25.0	24.7		ug/L		99	70 - 130
Trichlorofluoromethane	25.0	23.9		ug/L		96	70 - 130
Vinyl acetate	25.0	24.4	E4	ug/L		97	63 - 147
Vinyl chloride	25.0	26.1		ug/L		104	70 - 130
Xylenes, Total	50.0	51.7		ug/L		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 550-190369/4
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.2		ug/L		97	70 - 130	1	20
1,1,1-Trichloroethane	25.0	24.6		ug/L		98	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 130	6	20
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	70 - 130	4	20
1,1-Dichloroethane	25.0	23.9		ug/L		96	70 - 130	1	20
1,1-Dichloroethene	25.0	24.7		ug/L		99	70 - 130	1	20
1,1-Dichloropropene	25.0	25.2		ug/L		101	70 - 130	0	20
1,2,3-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130	1	20
1,2,3-Trichloropropane	25.0	29.0		ug/L		116	70 - 130	11	20
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	70 - 130	2	20
1,2,4-Trimethylbenzene	25.0	25.0		ug/L		100	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	29.4		ug/L		118	61 - 130	14	21
1,2-Dibromoethane (EDB)	25.0	26.0		ug/L		104	70 - 130	5	20
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130	0	20
1,2-Dichloroethane	25.0	26.0		ug/L		104	70 - 130	5	20
1,2-Dichloropropane	25.0	25.4		ug/L		101	70 - 130	3	20
1,3,5-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 130	3	20
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	70 - 130	0	20
1,3-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	2	20
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	70 - 130	1	20
2,2-Dichloropropane	25.0	26.4		ug/L		106	70 - 130	5	20
2-Butanone (MEK)	25.0	30.5		ug/L		122	50 - 150	1	34
2-Chlorotoluene	25.0	24.8		ug/L		99	70 - 130	0	20
2-Hexanone	25.0	29.9		ug/L		120	52 - 138	7	29
4-Chlorotoluene	25.0	24.6		ug/L		98	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	25.0	31.9		ug/L		128	64 - 131	10	23
Acetone	25.0	30.7		ug/L		123	18 - 150	12	35
Benzene	25.0	25.5		ug/L		102	70 - 130	1	20
Bromobenzene	25.0	24.7		ug/L		99	70 - 130	1	20
Bromochloromethane	25.0	25.8		ug/L		103	70 - 130	1	20
Bromodichloromethane	25.0	25.1		ug/L		100	70 - 130	0	20
Bromoform	25.0	26.3		ug/L		105	70 - 130	5	20
Bromomethane	25.0	23.2		ug/L		93	62 - 136	4	20
Carbon disulfide	25.0	27.3		ug/L		109	70 - 130	0	20
Carbon tetrachloride	25.0	24.6		ug/L		99	70 - 130	1	20
Chlorobenzene	25.0	24.3		ug/L		97	70 - 130	0	20
Chloroethane	25.0	23.4		ug/L		94	70 - 130	13	20
Chloroform	25.0	23.6		ug/L		94	80 - 120	1	20
Chloromethane	25.0	26.8		ug/L		107	64 - 134	1	20
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	70 - 130	0	20
Chlorodibromomethane	25.0	25.5		ug/L		102	70 - 130	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190369/4
Matrix: Water
Analysis Batch: 190369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromomethane	25.0	27.2		ug/L		109	70 - 130	2	20
Dichlorodifluoromethane	25.0	22.4		ug/L		90	29 - 150	2	21
Ethylbenzene	25.0	24.7		ug/L		99	80 - 120	0	20
Hexachlorobutadiene	25.0	23.8		ug/L		95	70 - 130	0	20
Iodomethane	25.0	25.5		ug/L		102	70 - 136	2	20
Isopropylbenzene	25.0	25.3		ug/L		101	70 - 130	1	20
m,p-Xylenes	25.0	25.5		ug/L		102	70 - 130	1	20
Methylene Chloride	25.0	22.9		ug/L		92	70 - 130	0	20
Methyl tert-butyl ether	25.0	27.5		ug/L		110	70 - 132	5	20
Naphthalene	25.0	26.6		ug/L		106	70 - 130	6	20
n-Butylbenzene	25.0	24.4		ug/L		98	70 - 130	2	20
n-Propylbenzene	25.0	25.1		ug/L		100	70 - 130	0	20
o-Xylene	25.0	25.6		ug/L		103	70 - 130	1	20
p-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130	0	20
sec-Butylbenzene	25.0	24.9		ug/L		100	70 - 130	1	20
Styrene	25.0	25.7		ug/L		103	70 - 130	2	20
tert-Butylbenzene	25.0	25.3		ug/L		101	70 - 130	2	20
Tetrachloroethene	25.0	24.6		ug/L		99	70 - 130	1	20
Toluene	25.0	25.4		ug/L		102	80 - 120	0	20
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	70 - 130	2	20
Trichloroethene	25.0	24.8		ug/L		99	70 - 130	1	20
Trichlorofluoromethane	25.0	22.4		ug/L		89	70 - 130	7	20
Vinyl acetate	25.0	26.5		ug/L		106	63 - 147	9	20
Vinyl chloride	25.0	26.3		ug/L		105	70 - 130	1	20
Xylenes, Total	50.0	51.1		ug/L		102	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 550-130039-2 MS
Matrix: Water
Analysis Batch: 190369

Client Sample ID: AVB 141-01-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.1		ug/L		96	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	24.7		ug/L		99	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		104	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	25.3		ug/L		101	66 - 137
1,1-Dichloroethane	ND	E8	25.0	24.4		ug/L		98	70 - 137
1,1-Dichloroethene	ND	E8	25.0	25.0		ug/L		100	53 - 150
1,1-Dichloropropene	ND	E8	25.0	25.4		ug/L		102	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	24.1		ug/L		96	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	28.7		ug/L		115	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	25.4		ug/L		102	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	25.1		ug/L		101	50 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-2 MS
Matrix: Water
Analysis Batch: 190369

Client Sample ID: AVB 141-01-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	30.0		ug/L		120	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.7		ug/L		103	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	25.1		ug/L		101	67 - 131
1,2-Dichloroethane	ND	E8	25.0	25.3		ug/L		101	58 - 146
1,2-Dichloropropane	ND	E8	25.0	25.0		ug/L		100	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	25.5		ug/L		102	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	24.7		ug/L		99	68 - 130
1,3-Dichloropropane	ND	E8	25.0	25.9		ug/L		103	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	24.1		ug/L		96	68 - 128
2,2-Dichloropropane	ND	E8	25.0	26.1		ug/L		105	54 - 150
2-Butanone (MEK)	6.6	E4	25.0	33.4		ug/L		107	10 - 150
2-Chlorotoluene	ND	E8	25.0	25.2		ug/L		101	63 - 132
2-Hexanone	ND	E8	25.0	27.9		ug/L		112	37 - 150
4-Chlorotoluene	ND	E8	25.0	24.9		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	30.3		ug/L		121	41 - 150
Acetone	47		25.0	70.9		ug/L		97	10 - 150
Benzene	ND	E8	25.0	24.8		ug/L		99	54 - 142
Bromobenzene	ND	E8	25.0	25.5		ug/L		102	69 - 132
Bromochloromethane	ND	E8	25.0	26.0		ug/L		104	67 - 145
Bromodichloromethane	ND	E8	25.0	25.3		ug/L		101	61 - 143
Bromoform	ND	E8	25.0	26.6		ug/L		106	57 - 142
Bromomethane	ND	E8	25.0	22.6		ug/L		90	56 - 149
Carbon disulfide	ND	E8	25.0	27.5		ug/L		110	48 - 150
Carbon tetrachloride	ND	E8	25.0	25.5		ug/L		102	60 - 143
Chlorobenzene	ND	E8	25.0	24.2		ug/L		97	69 - 129
Chloroethane	ND	E8	25.0	25.9		ug/L		104	60 - 146
Chloroform	0.15	E4	25.0	24.1		ug/L		96	69 - 138
Chloromethane	ND	E8	25.0	26.3		ug/L		105	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	25.7		ug/L		103	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	24.9		ug/L		100	57 - 145
Chlorodibromomethane	ND	E8	25.0	25.3		ug/L		101	61 - 143
Dibromomethane	ND	E8	25.0	27.0		ug/L		108	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	23.4		ug/L		94	21 - 150
Ethylbenzene	ND	E8	25.0	24.9		ug/L		100	46 - 149
Hexachlorobutadiene	ND	E8	25.0	23.8		ug/L		95	49 - 146
Iodomethane	ND	E8	25.0	25.8		ug/L		103	43 - 150
Isopropylbenzene	ND	E8	25.0	25.9		ug/L		104	56 - 143
m,p-Xylenes	ND	E8	25.0	26.2		ug/L		105	52 - 144
Methylene Chloride	ND	E8	25.0	23.3		ug/L		93	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	27.2		ug/L		109	56 - 148
Naphthalene	ND	E8	25.0	25.9		ug/L		103	47 - 150
n-Butylbenzene	ND	E8	25.0	24.7		ug/L		99	54 - 145
n-Propylbenzene	ND	E8	25.0	25.6		ug/L		103	54 - 144
o-Xylene	ND	E8	25.0	26.2		ug/L		105	55 - 143
p-Isopropyltoluene	ND	E8	25.0	25.9		ug/L		104	53 - 147
sec-Butylbenzene	ND	E8	25.0	25.6		ug/L		102	55 - 145
Styrene	ND	E8	25.0	26.1		ug/L		104	21 - 150
tert-Butylbenzene	ND	E8	25.0	26.1		ug/L		104	57 - 143
Tetrachloroethene	ND	E8	25.0	24.5		ug/L		98	37 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-2 MS
Matrix: Water
Analysis Batch: 190369

Client Sample ID: AVB 141-01-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	ND	E8	25.0	25.6		ug/L		102	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	24.4		ug/L		98	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	25.4		ug/L		101	57 - 147
Trichloroethene	0.93	E4	25.0	25.5		ug/L		98	62 - 134
Trichlorofluoromethane	ND	E8	25.0	24.5		ug/L		98	60 - 150
Vinyl acetate	ND	E8	25.0	26.2		ug/L		105	14 - 150
Vinyl chloride	ND	E8	25.0	25.8		ug/L		103	48 - 150
Xylenes, Total	ND	E8	50.0	52.4		ug/L		105	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 550-130039-2 MSD
Matrix: Water
Analysis Batch: 190369

Client Sample ID: AVB 141-01-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.5		ug/L		98	67 - 137	2	35
1,1,1-Trichloroethane	ND	E8	25.0	24.9		ug/L		100	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	25.3		ug/L		101	63 - 136	3	35
1,1,2-Trichloroethane	ND	E8	25.0	25.1		ug/L		101	66 - 137	0	35
1,1-Dichloroethane	ND	E8	25.0	24.8		ug/L		99	70 - 137	1	35
1,1-Dichloroethene	ND	E8	25.0	25.8		ug/L		103	53 - 150	3	35
1,1-Dichloropropene	ND	E8	25.0	25.7		ug/L		103	58 - 141	1	35
1,2,3-Trichlorobenzene	ND	E8	25.0	24.9		ug/L		99	57 - 144	3	35
1,2,3-Trichloropropane	ND	E8	25.0	27.3		ug/L		109	60 - 138	5	35
1,2,4-Trichlorobenzene	ND	E8	25.0	25.9		ug/L		104	58 - 140	2	35
1,2,4-Trimethylbenzene	ND	E8	25.0	25.3		ug/L		101	50 - 147	1	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	27.9		ug/L		112	51 - 143	7	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.5		ug/L		102	67 - 136	1	35
1,2-Dichlorobenzene	ND	E8	25.0	24.8		ug/L		99	67 - 131	1	35
1,2-Dichloroethane	ND	E8	25.0	25.1		ug/L		100	58 - 146	1	35
1,2-Dichloropropane	ND	E8	25.0	25.9		ug/L		103	66 - 135	3	35
1,3,5-Trimethylbenzene	ND	E8	25.0	25.3		ug/L		101	50 - 147	1	35
1,3-Dichlorobenzene	ND	E8	25.0	24.7		ug/L		99	68 - 130	0	35
1,3-Dichloropropane	ND	E8	25.0	25.6		ug/L		102	67 - 134	1	35
1,4-Dichlorobenzene	ND	E8	25.0	24.3		ug/L		97	68 - 128	1	35
2,2-Dichloropropane	ND	E8	25.0	25.6		ug/L		103	54 - 150	2	35
2-Butanone (MEK)	6.6	E4	25.0	32.9		ug/L		105	10 - 150	1	35
2-Chlorotoluene	ND	E8	25.0	25.1		ug/L		101	63 - 132	0	35
2-Hexanone	ND	E8	25.0	26.3		ug/L		105	37 - 150	6	35
4-Chlorotoluene	ND	E8	25.0	24.4		ug/L		98	66 - 131	2	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	29.9		ug/L		120	41 - 150	1	35
Acetone	47		25.0	65.5		ug/L		75	10 - 150	8	35
Benzene	ND	E8	25.0	25.5		ug/L		102	54 - 142	3	35
Bromobenzene	ND	E8	25.0	25.4		ug/L		101	69 - 132	0	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130039-2 MSD
Matrix: Water
Analysis Batch: 190369

Client Sample ID: AVB 141-01-20190917
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromochloromethane	ND	E8	25.0	26.2		ug/L		105	67 - 145	1	35
Bromodichloromethane	ND	E8	25.0	25.6		ug/L		102	61 - 143	1	35
Bromoform	ND	E8	25.0	26.0		ug/L		104	57 - 142	2	35
Bromomethane	ND	E8	25.0	23.3		ug/L		93	56 - 149	3	35
Carbon disulfide	ND	E8	25.0	27.6		ug/L		110	48 - 150	0	35
Carbon tetrachloride	ND	E8	25.0	26.0		ug/L		104	60 - 143	2	35
Chlorobenzene	ND	E8	25.0	24.7		ug/L		99	69 - 129	2	35
Chloroethane	ND	E8	25.0	26.2		ug/L		105	60 - 146	1	35
Chloroform	0.15	E4	25.0	24.2		ug/L		96	69 - 138	0	35
Chloromethane	ND	E8	25.0	26.6		ug/L		106	50 - 150	1	35
cis-1,2-Dichloroethene	ND	E8	25.0	26.2		ug/L		105	65 - 139	2	35
cis-1,3-Dichloropropene	ND	E8	25.0	25.2		ug/L		101	57 - 145	1	35
Chlorodibromomethane	ND	E8	25.0	25.6		ug/L		102	61 - 143	1	35
Dibromomethane	ND	E8	25.0	27.5		ug/L		110	64 - 138	2	35
Dichlorodifluoromethane	ND	E8	25.0	22.7		ug/L		91	21 - 150	3	35
Ethylbenzene	ND	E8	25.0	24.9		ug/L		100	46 - 149	0	35
Hexachlorobutadiene	ND	E8	25.0	24.0		ug/L		96	49 - 146	1	35
Iodomethane	ND	E8	25.0	26.3		ug/L		105	43 - 150	2	35
Isopropylbenzene	ND	E8	25.0	25.7		ug/L		103	56 - 143	1	35
m,p-Xylenes	ND	E8	25.0	26.2		ug/L		105	52 - 144	0	35
Methylene Chloride	ND	E8	25.0	23.5		ug/L		94	66 - 134	1	35
Methyl tert-butyl ether	ND	E8	25.0	26.5		ug/L		106	56 - 148	2	35
Naphthalene	ND	E8	25.0	25.5		ug/L		102	47 - 150	1	35
n-Butylbenzene	ND	E8	25.0	24.8		ug/L		99	54 - 145	0	35
n-Propylbenzene	ND	E8	25.0	25.3		ug/L		101	54 - 144	1	35
o-Xylene	ND	E8	25.0	26.2		ug/L		105	55 - 143	0	35
p-Isopropyltoluene	ND	E8	25.0	25.9		ug/L		104	53 - 147	0	35
sec-Butylbenzene	ND	E8	25.0	25.3		ug/L		101	55 - 145	1	35
Styrene	ND	E8	25.0	26.1		ug/L		104	21 - 150	0	35
tert-Butylbenzene	ND	E8	25.0	26.1		ug/L		104	57 - 143	0	35
Tetrachloroethene	ND	E8	25.0	24.8		ug/L		99	37 - 150	1	35
Toluene	ND	E8	25.0	25.6		ug/L		103	56 - 141	0	35
trans-1,2-Dichloroethene	ND	E8	25.0	24.6		ug/L		98	69 - 136	1	35
trans-1,3-Dichloropropene	ND	E8	25.0	25.6		ug/L		102	57 - 147	1	35
Trichloroethene	0.93	E4	25.0	25.5		ug/L		98	62 - 134	0	35
Trichlorofluoromethane	ND	E8	25.0	25.5		ug/L		102	60 - 150	4	35
Vinyl acetate	ND	E8	25.0	25.2		ug/L		101	14 - 150	4	35
Vinyl chloride	ND	E8	25.0	25.8		ug/L		103	48 - 150	0	35
Xylenes, Total	ND	E8	50.0	52.4		ug/L		105	53 - 145	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190673/8
Matrix: Water
Analysis Batch: 190673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/26/19 11:30	1
Acetone	ND	E8	20	7.3	ug/L			09/26/19 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*09/26/19 11:30*	*1*
Toluene-d8 (Surr)	*119*		*70 - 130*		*09/26/19 11:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*09/26/19 11:30*	*1*

Lab Sample ID: LCS 550-190673/4
Matrix: Water
Analysis Batch: 190673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	25.0	18.4		ug/L		73	50 - 150
Acetone	25.0	19.8	E4	ug/L		79	18 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*72*		*70 - 130*
Toluene-d8 (Surr)	*83*		*70 - 130*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*

Lab Sample ID: LCSD 550-190673/5
Matrix: Water
Analysis Batch: 190673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	25.0	23.7		ug/L		95	50 - 150	25	34
Acetone	25.0	25.3		ug/L		101	18 - 150	24	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 550-130231-C-1 MS
Matrix: Water
Analysis Batch: 190673

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	ND	E8	25.0	25.8		ug/L		103	10 - 150
Acetone	ND	E8	25.0	22.9		ug/L		92	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130231-D-1 MSD
Matrix: Water
Analysis Batch: 190673

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	ND	E8	25.0	21.3		ug/L		85	10 - 150	19	35
Acetone	ND	E8	25.0	22.4		ug/L		90	10 - 150	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 550-190775/7
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/26/19 23:29	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/26/19 23:29	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/26/19 23:29	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/26/19 23:29	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/26/19 23:29	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/26/19 23:29	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/26/19 23:29	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/26/19 23:29	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/26/19 23:29	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/26/19 23:29	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/26/19 23:29	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/26/19 23:29	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/26/19 23:29	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/26/19 23:29	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/26/19 23:29	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/26/19 23:29	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/26/19 23:29	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/26/19 23:29	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/26/19 23:29	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/26/19 23:29	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/26/19 23:29	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			09/26/19 23:29	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/26/19 23:29	1
2-Hexanone	ND	E8	10	1.5	ug/L			09/26/19 23:29	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/26/19 23:29	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/26/19 23:29	1
Acetone	ND	E8	20	7.3	ug/L			09/26/19 23:29	1
Benzene	ND	E8	2.0	0.12	ug/L			09/26/19 23:29	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/26/19 23:29	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/26/19 23:29	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/26/19 23:29	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/26/19 23:29	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/26/19 23:29	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/26/19 23:29	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/26/19 23:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190775/7
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/26/19 23:29	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/26/19 23:29	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/26/19 23:29	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/26/19 23:29	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/26/19 23:29	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/26/19 23:29	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/26/19 23:29	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/26/19 23:29	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/26/19 23:29	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/26/19 23:29	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/26/19 23:29	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/26/19 23:29	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/26/19 23:29	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/26/19 23:29	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/26/19 23:29	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/26/19 23:29	1
Naphthalene	ND	E8	5.0	0.51	ug/L			09/26/19 23:29	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/26/19 23:29	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/26/19 23:29	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/26/19 23:29	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/26/19 23:29	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/26/19 23:29	1
Styrene	ND	E8	2.0	0.17	ug/L			09/26/19 23:29	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/26/19 23:29	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/26/19 23:29	1
Toluene	ND	E8	2.0	0.28	ug/L			09/26/19 23:29	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/26/19 23:29	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/26/19 23:29	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/26/19 23:29	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/26/19 23:29	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/26/19 23:29	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/26/19 23:29	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/26/19 23:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*09/26/19 23:29*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*		*09/26/19 23:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/26/19 23:29*	*1*

Lab Sample ID: LCS 550-190775/3
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.3		ug/L		105	70 - 130
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 130
1,1,2-Trichloroethane	25.0	27.3		ug/L		109	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190775/3
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.5		ug/L		102	70 - 130
1,1-Dichloroethene	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	28.2		ug/L		113	70 - 130
1,2,3-Trichlorobenzene	25.0	27.1		ug/L		108	70 - 130
1,2,3-Trichloropropane	25.0	27.4		ug/L		110	70 - 130
1,2,4-Trichlorobenzene	25.0	26.9		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	28.4		ug/L		114	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.7		ug/L		99	70 - 130
1,2-Dichlorobenzene	25.0	26.5		ug/L		106	70 - 130
1,2-Dichloroethane	25.0	27.6		ug/L		110	70 - 130
1,2-Dichloropropane	25.0	27.0		ug/L		108	70 - 130
1,3,5-Trimethylbenzene	25.0	25.9		ug/L		104	70 - 130
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130
1,3-Dichloropropane	25.0	27.8		ug/L		111	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130
2,2-Dichloropropane	25.0	25.4		ug/L		101	70 - 130
2-Butanone (MEK)	25.0	26.4		ug/L		106	50 - 150
2-Chlorotoluene	25.0	24.6		ug/L		98	70 - 130
2-Hexanone	25.0	27.2		ug/L		109	52 - 138
4-Chlorotoluene	25.0	23.9		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	26.9		ug/L		108	64 - 131
Acetone	25.0	29.8		ug/L		119	18 - 150
Benzene	25.0	26.7		ug/L		107	70 - 130
Bromobenzene	25.0	23.7		ug/L		95	70 - 130
Bromochloromethane	25.0	25.0		ug/L		100	70 - 130
Bromodichloromethane	25.0	26.8		ug/L		107	70 - 130
Bromoform	25.0	22.1		ug/L		88	70 - 130
Bromomethane	25.0	22.5		ug/L		90	62 - 136
Carbon disulfide	25.0	23.7		ug/L		95	70 - 130
Carbon tetrachloride	25.0	29.8		ug/L		119	70 - 130
Chlorobenzene	25.0	25.2		ug/L		101	70 - 130
Chloroethane	25.0	23.0		ug/L		92	70 - 130
Chloroform	25.0	24.7		ug/L		99	80 - 120
Chloromethane	25.0	23.2		ug/L		93	64 - 134
cis-1,2-Dichloroethene	25.0	28.5		ug/L		114	70 - 130
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	70 - 130
Chlorodibromomethane	25.0	26.2		ug/L		105	70 - 130
Dibromomethane	25.0	27.4		ug/L		110	70 - 130
Dichlorodifluoromethane	25.0	20.4		ug/L		82	29 - 150
Ethylbenzene	25.0	25.6		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	24.5		ug/L		98	70 - 130
Iodomethane	25.0	23.7		ug/L		95	70 - 136
Isopropylbenzene	25.0	26.8		ug/L		107	70 - 130
m,p-Xylenes	25.0	25.0		ug/L		100	70 - 130
Methylene Chloride	25.0	24.0		ug/L		96	70 - 130
Methyl tert-butyl ether	25.0	26.0		ug/L		104	70 - 132
Naphthalene	25.0	27.4		ug/L		109	70 - 130
n-Butylbenzene	25.0	27.3		ug/L		109	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190775/3
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	25.0	25.5		ug/L		102	70 - 130
o-Xylene	25.0	25.9		ug/L		104	70 - 130
p-Isopropyltoluene	25.0	27.1		ug/L		109	70 - 130
sec-Butylbenzene	25.0	28.0		ug/L		112	70 - 130
Styrene	25.0	25.8		ug/L		103	70 - 130
tert-Butylbenzene	25.0	26.5		ug/L		106	70 - 130
Tetrachloroethene	25.0	27.9		ug/L		112	70 - 130
Toluene	25.0	28.0		ug/L		112	80 - 120
trans-1,2-Dichloroethene	25.0	27.1		ug/L		108	70 - 130
trans-1,3-Dichloropropene	25.0	26.6		ug/L		106	70 - 130
Trichloroethene	25.0	28.1		ug/L		113	70 - 130
Trichlorofluoromethane	25.0	25.1		ug/L		100	70 - 130
Vinyl acetate	25.0	25.9		ug/L		104	63 - 147
Vinyl chloride	25.0	24.6		ug/L		98	70 - 130
Xylenes, Total	50.0	50.9		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 550-190775/4
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.6		ug/L		98	70 - 130	7	20
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		106	70 - 130	2	20
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	70 - 130	4	20
1,1-Dichloroethane	25.0	25.4		ug/L		101	70 - 130	1	20
1,1-Dichloroethene	25.0	24.4		ug/L		98	70 - 130	5	20
1,1-Dichloropropene	25.0	27.2		ug/L		109	70 - 130	3	20
1,2,3-Trichlorobenzene	25.0	26.0		ug/L		104	70 - 130	4	20
1,2,3-Trichloropropane	25.0	25.9		ug/L		104	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	70 - 130	3	20
1,2,4-Trimethylbenzene	25.0	26.3		ug/L		105	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	27.6		ug/L		110	61 - 130	3	21
1,2-Dibromoethane (EDB)	25.0	25.4		ug/L		102	70 - 130	3	20
1,2-Dichlorobenzene	25.0	26.1		ug/L		104	70 - 130	2	20
1,2-Dichloroethane	25.0	27.2		ug/L		109	70 - 130	2	20
1,2-Dichloropropane	25.0	26.4		ug/L		106	70 - 130	2	20
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	25.0	26.9		ug/L		107	70 - 130	3	20
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	2	20
2,2-Dichloropropane	25.0	24.7		ug/L		99	70 - 130	3	20
2-Butanone (MEK)	25.0	26.3		ug/L		105	50 - 150	0	34

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190775/4
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	25.0	24.9		ug/L		100	70 - 130	1	20
2-Hexanone	25.0	27.4		ug/L		109	52 - 138	1	29
4-Chlorotoluene	25.0	24.8		ug/L		99	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	25.0	26.9		ug/L		108	64 - 131	0	23
Acetone	25.0	26.1		ug/L		104	18 - 150	13	35
Benzene	25.0	25.6		ug/L		102	70 - 130	4	20
Bromobenzene	25.0	24.5		ug/L		98	70 - 130	4	20
Bromochloromethane	25.0	25.6		ug/L		102	70 - 130	2	20
Bromodichloromethane	25.0	26.8		ug/L		107	70 - 130	0	20
Bromoform	25.0	23.2		ug/L		93	70 - 130	5	20
Bromomethane	25.0	21.1		ug/L		84	62 - 136	7	20
Carbon disulfide	25.0	22.0		ug/L		88	70 - 130	7	20
Carbon tetrachloride	25.0	28.1		ug/L		113	70 - 130	6	20
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130	2	20
Chloroethane	25.0	20.3		ug/L		81	70 - 130	12	20
Chloroform	25.0	25.1		ug/L		101	80 - 120	2	20
Chloromethane	25.0	22.2		ug/L		89	64 - 134	4	20
cis-1,2-Dichloroethene	25.0	26.9		ug/L		108	70 - 130	6	20
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 130	0	20
Chlorodibromomethane	25.0	26.3		ug/L		105	70 - 130	0	20
Dibromomethane	25.0	26.7		ug/L		107	70 - 130	3	20
Dichlorodifluoromethane	25.0	17.7		ug/L		71	29 - 150	14	21
Ethylbenzene	25.0	25.1		ug/L		100	80 - 120	2	20
Hexachlorobutadiene	25.0	25.4		ug/L		102	70 - 130	4	20
Iodomethane	25.0	22.5		ug/L		90	70 - 136	5	20
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130	3	20
m,p-Xylenes	25.0	25.7		ug/L		103	70 - 130	3	20
Methylene Chloride	25.0	22.4		ug/L		89	70 - 130	7	20
Methyl tert-butyl ether	25.0	24.3		ug/L		97	70 - 132	7	20
Naphthalene	25.0	27.3		ug/L		109	70 - 130	0	20
n-Butylbenzene	25.0	26.1		ug/L		104	70 - 130	5	20
n-Propylbenzene	25.0	26.1		ug/L		104	70 - 130	2	20
o-Xylene	25.0	26.1		ug/L		104	70 - 130	0	20
p-Isopropyltoluene	25.0	26.2		ug/L		105	70 - 130	4	20
sec-Butylbenzene	25.0	26.7		ug/L		107	70 - 130	5	20
Styrene	25.0	26.6		ug/L		106	70 - 130	3	20
tert-Butylbenzene	25.0	25.6		ug/L		102	70 - 130	4	20
Tetrachloroethene	25.0	26.7		ug/L		107	70 - 130	5	20
Toluene	25.0	27.3		ug/L		109	80 - 120	2	20
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	70 - 130	6	20
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	70 - 130	2	20
Trichloroethene	25.0	26.7		ug/L		107	70 - 130	5	20
Trichlorofluoromethane	25.0	24.3		ug/L		97	70 - 130	3	20
Vinyl acetate	25.0	25.6		ug/L		102	63 - 147	1	20
Vinyl chloride	25.0	24.1		ug/L		96	70 - 130	2	20
Xylenes, Total	50.0	51.8		ug/L		104	70 - 130	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190775/4
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 550-130253-B-1 MS
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		105	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	27.2		ug/L		109	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	25.2		ug/L		101	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	25.4		ug/L		102	66 - 137
1,1-Dichloroethane	ND	E8	25.0	26.4		ug/L		106	70 - 137
1,1-Dichloroethene	ND	E8	25.0	27.6		ug/L		110	53 - 150
1,1-Dichloropropene	ND	E8	25.0	28.2		ug/L		113	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	25.4		ug/L		102	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	25.0		ug/L		100	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	25.1		ug/L		101	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	27.7		ug/L		111	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.4		ug/L		106	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	22.8		ug/L		91	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	26.5		ug/L		106	67 - 131
1,2-Dichloroethane	ND	E8	25.0	25.9		ug/L		104	58 - 146
1,2-Dichloropropane	ND	E8	25.0	25.0		ug/L		100	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	26.5		ug/L		106	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	25.6		ug/L		103	68 - 130
1,3-Dichloropropane	ND	E8	25.0	24.3		ug/L		97	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	25.1		ug/L		100	68 - 128
2,2-Dichloropropane	ND	E8	25.0	28.6		ug/L		114	54 - 150
2-Butanone (MEK)	ND	E8	25.0	26.1		ug/L		104	10 - 150
2-Chlorotoluene	ND	E8	25.0	25.6		ug/L		103	63 - 132
2-Hexanone	ND	E8	25.0	24.2		ug/L		97	37 - 150
4-Chlorotoluene	ND	E8	25.0	25.0		ug/L		100	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	27.7		ug/L		111	41 - 150
Acetone	12	E4	25.0	34.0		ug/L		87	10 - 150
Benzene	ND	E8	25.0	26.4		ug/L		106	54 - 142
Bromobenzene	ND	E8	25.0	24.2		ug/L		97	69 - 132
Bromochloromethane	ND	E8	25.0	26.6		ug/L		106	67 - 145
Bromodichloromethane	38		25.0	60.2		ug/L		88	61 - 143
Bromoform	4.8	E4	25.0	27.7		ug/L		92	57 - 142
Bromomethane	ND	E8	25.0	23.0		ug/L		92	56 - 149
Carbon disulfide	ND	E8	25.0	25.8		ug/L		103	48 - 150
Carbon tetrachloride	ND	E8	25.0	30.5		ug/L		122	60 - 143
Chlorobenzene	ND	E8	25.0	25.1		ug/L		100	69 - 129
Chloroethane	ND	E8	25.0	24.5		ug/L		98	60 - 146
Chloroform	26		25.0	50.3		ug/L		99	69 - 138
Chloromethane	ND	E8	25.0	25.4		ug/L		102	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130253-B-1 MS
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND	E8	25.0	29.4		ug/L		118	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	24.2		ug/L		97	57 - 145
Chlorodibromomethane	31		25.0	56.7		ug/L		101	61 - 143
Dibromomethane	ND	E8	25.0	25.4		ug/L		101	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	28.6		ug/L		114	21 - 150
Ethylbenzene	ND	E8	25.0	25.1		ug/L		101	46 - 149
Hexachlorobutadiene	ND	E8	25.0	25.1		ug/L		100	49 - 146
Iodomethane	ND	E8	25.0	24.9		ug/L		100	43 - 150
Isopropylbenzene	ND	E8	25.0	26.7		ug/L		107	56 - 143
m,p-Xylenes	ND	E8	25.0	25.3		ug/L		101	52 - 144
Methylene Chloride	ND	E8	25.0	23.2		ug/L		93	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	25.1		ug/L		100	56 - 148
Naphthalene	ND	E8	25.0	25.0		ug/L		100	47 - 150
n-Butylbenzene	ND	E8	25.0	29.3		ug/L		117	54 - 145
n-Propylbenzene	ND	E8	25.0	26.2		ug/L		105	54 - 144
o-Xylene	ND	E8	25.0	25.7		ug/L		103	55 - 143
p-Isopropyltoluene	ND	E8	25.0	28.1		ug/L		112	53 - 147
sec-Butylbenzene	ND	E8	25.0	28.8		ug/L		115	55 - 145
Styrene	ND	E8	25.0	25.2		ug/L		101	21 - 150
tert-Butylbenzene	ND	E8	25.0	27.7		ug/L		111	57 - 143
Tetrachloroethene	ND	E8	25.0	28.6		ug/L		114	37 - 150
Toluene	ND	E8	25.0	26.5		ug/L		106	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	28.4		ug/L		113	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	23.9		ug/L		95	57 - 147
Trichloroethene	ND	E8	25.0	25.8		ug/L		103	62 - 134
Trichlorofluoromethane	ND	E8	25.0	28.5		ug/L		114	60 - 150
Vinyl acetate	ND	E8	25.0	23.3	E4	ug/L		93	14 - 150
Vinyl chloride	ND	E8	25.0	26.1		ug/L		105	48 - 150
Xylenes, Total	ND	E8	50.0	51.0		ug/L		102	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 550-130253-C-1 MSD
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.7		ug/L		99	67 - 137	6	35
1,1,1-Trichloroethane	ND	E8	25.0	24.6		ug/L		98	64 - 143	10	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	23.6		ug/L		94	63 - 136	6	35
1,1,2-Trichloroethane	ND	E8	25.0	25.3		ug/L		101	66 - 137	0	35
1,1-Dichloroethane	ND	E8	25.0	25.5		ug/L		102	70 - 137	4	35
1,1-Dichloroethene	ND	E8	25.0	25.7		ug/L		103	53 - 150	7	35
1,1-Dichloropropene	ND	E8	25.0	25.3		ug/L		101	58 - 141	11	35
1,2,3-Trichlorobenzene	ND	E8	25.0	24.1		ug/L		96	57 - 144	5	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130253-C-1 MSD
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND	E8	25.0	23.9		ug/L		96	60 - 138	5	35
1,2,4-Trichlorobenzene	ND	E8	25.0	23.9		ug/L		95	58 - 140	5	35
1,2,4-Trimethylbenzene	ND	E8	25.0	24.5		ug/L		98	50 - 147	13	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.9		ug/L		108	51 - 143	2	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	22.7		ug/L		91	67 - 136	1	35
1,2-Dichlorobenzene	ND	E8	25.0	25.5		ug/L		102	67 - 131	4	35
1,2-Dichloroethane	ND	E8	25.0	24.9		ug/L		100	58 - 146	4	35
1,2-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	66 - 135	1	35
1,3,5-Trimethylbenzene	ND	E8	25.0	23.4		ug/L		94	50 - 147	12	35
1,3-Dichlorobenzene	ND	E8	25.0	24.2		ug/L		97	68 - 130	6	35
1,3-Dichloropropane	ND	E8	25.0	24.8		ug/L		99	67 - 134	2	35
1,4-Dichlorobenzene	ND	E8	25.0	24.0		ug/L		96	68 - 128	5	35
2,2-Dichloropropane	ND	E8	25.0	25.0		ug/L		100	54 - 150	13	35
2-Butanone (MEK)	ND	E8	25.0	25.9		ug/L		104	10 - 150	1	35
2-Chlorotoluene	ND	E8	25.0	23.4		ug/L		93	63 - 132	9	35
2-Hexanone	ND	E8	25.0	26.6		ug/L		106	37 - 150	9	35
4-Chlorotoluene	ND	E8	25.0	23.3		ug/L		93	66 - 131	7	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	29.5		ug/L		118	41 - 150	6	35
Acetone	12	E4	25.0	31.3		ug/L		76	10 - 150	8	35
Benzene	ND	E8	25.0	25.6		ug/L		102	54 - 142	3	35
Bromobenzene	ND	E8	25.0	22.1		ug/L		88	69 - 132	9	35
Bromochloromethane	ND	E8	25.0	24.5		ug/L		98	67 - 145	8	35
Bromodichloromethane	38		25.0	55.6		ug/L		69	61 - 143	8	35
Bromoform	4.8	E4	25.0	25.9		ug/L		84	57 - 142	7	35
Bromomethane	ND	E8	25.0	21.3		ug/L		85	56 - 149	7	35
Carbon disulfide	ND	E8	25.0	24.3		ug/L		97	48 - 150	6	35
Carbon tetrachloride	ND	E8	25.0	26.5		ug/L		106	60 - 143	14	35
Chlorobenzene	ND	E8	25.0	23.9		ug/L		95	69 - 129	5	35
Chloroethane	ND	E8	25.0	23.3		ug/L		93	60 - 146	5	35
Chloroform	26		25.0	43.9		ug/L		73	69 - 138	14	35
Chloromethane	ND	E8	25.0	25.8		ug/L		103	50 - 150	2	35
cis-1,2-Dichloroethene	ND	E8	25.0	25.1		ug/L		100	65 - 139	16	35
cis-1,3-Dichloropropene	ND	E8	25.0	22.3		ug/L		89	57 - 145	8	35
Chlorodibromomethane	31		25.0	54.2		ug/L		91	61 - 143	5	35
Dibromomethane	ND	E8	25.0	24.8		ug/L		99	64 - 138	2	35
Dichlorodifluoromethane	ND	E8	25.0	26.2		ug/L		105	21 - 150	9	35
Ethylbenzene	ND	E8	25.0	24.5		ug/L		98	46 - 149	3	35
Hexachlorobutadiene	ND	E8	25.0	22.6		ug/L		90	49 - 146	10	35
Iodomethane	ND	E8	25.0	23.5		ug/L		94	43 - 150	6	35
Isopropylbenzene	ND	E8	25.0	24.0		ug/L		96	56 - 143	11	35
m,p-Xylenes	ND	E8	25.0	23.5		ug/L		94	52 - 144	7	35
Methylene Chloride	ND	E8	25.0	23.2		ug/L		93	66 - 134	0	35
Methyl tert-butyl ether	ND	E8	25.0	24.3		ug/L		97	56 - 148	3	35
Naphthalene	ND	E8	25.0	24.9		ug/L		100	47 - 150	0	35
n-Butylbenzene	ND	E8	25.0	26.7		ug/L		107	54 - 145	9	35
n-Propylbenzene	ND	E8	25.0	23.8		ug/L		95	54 - 144	10	35
o-Xylene	ND	E8	25.0	23.6		ug/L		95	55 - 143	9	35
p-Isopropyltoluene	ND	E8	25.0	24.8		ug/L		99	53 - 147	12	35
sec-Butylbenzene	ND	E8	25.0	25.0		ug/L		100	55 - 145	14	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130253-C-1 MSD
Matrix: Water
Analysis Batch: 190775

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND	E8	25.0	23.6		ug/L		94	21 - 150	7	35
tert-Butylbenzene	ND	E8	25.0	24.2		ug/L		97	57 - 143	13	35
Tetrachloroethene	ND	E8	25.0	26.0		ug/L		104	37 - 150	9	35
Toluene	ND	E8	25.0	26.5		ug/L		106	56 - 141	0	35
trans-1,2-Dichloroethene	ND	E8	25.0	26.0		ug/L		104	69 - 136	9	35
trans-1,3-Dichloropropene	ND	E8	25.0	20.8		ug/L		83	57 - 147	14	35
Trichloroethene	ND	E8	25.0	24.9		ug/L		100	62 - 134	3	35
Trichlorofluoromethane	ND	E8	25.0	25.6		ug/L		102	60 - 150	11	35
Vinyl acetate	ND	E8	25.0	21.9	E4	ug/L		88	14 - 150	6	35
Vinyl chloride	ND	E8	25.0	23.9		ug/L		96	48 - 150	9	35
Xylenes, Total	ND	E8	50.0	47.1		ug/L		94	53 - 145	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 550-190957/5
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			09/30/19 09:13	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			09/30/19 09:13	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			09/30/19 09:13	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			09/30/19 09:13	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			09/30/19 09:13	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			09/30/19 09:13	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			09/30/19 09:13	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			09/30/19 09:13	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			09/30/19 09:13	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			09/30/19 09:13	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			09/30/19 09:13	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			09/30/19 09:13	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			09/30/19 09:13	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			09/30/19 09:13	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			09/30/19 09:13	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/30/19 09:13	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			09/30/19 09:13	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			09/30/19 09:13	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			09/30/19 09:13	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			09/30/19 09:13	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			09/30/19 09:13	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			09/30/19 09:13	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			09/30/19 09:13	1
2-Hexanone	ND	E8 V1	10	1.5	ug/L			09/30/19 09:13	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			09/30/19 09:13	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			09/30/19 09:13	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-190957/5
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	E8 V1	20	7.3	ug/L			09/30/19 09:13	1
Benzene	ND	E8	2.0	0.12	ug/L			09/30/19 09:13	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			09/30/19 09:13	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			09/30/19 09:13	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			09/30/19 09:13	1
Bromoform	ND	E8	5.0	0.37	ug/L			09/30/19 09:13	1
Bromomethane	ND	E8	5.0	0.67	ug/L			09/30/19 09:13	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			09/30/19 09:13	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			09/30/19 09:13	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			09/30/19 09:13	1
Chloroethane	ND	E8	5.0	0.25	ug/L			09/30/19 09:13	1
Chloroform	ND	E8	2.0	0.13	ug/L			09/30/19 09:13	1
Chloromethane	ND	E8	5.0	0.21	ug/L			09/30/19 09:13	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			09/30/19 09:13	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			09/30/19 09:13	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			09/30/19 09:13	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			09/30/19 09:13	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			09/30/19 09:13	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			09/30/19 09:13	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			09/30/19 09:13	1
Iodomethane	ND	E8	2.0	0.21	ug/L			09/30/19 09:13	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			09/30/19 09:13	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			09/30/19 09:13	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			09/30/19 09:13	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			09/30/19 09:13	1
Naphthalene	0.665	E4	5.0	0.51	ug/L			09/30/19 09:13	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			09/30/19 09:13	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			09/30/19 09:13	1
o-Xylene	ND	E8	5.0	0.42	ug/L			09/30/19 09:13	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			09/30/19 09:13	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			09/30/19 09:13	1
Styrene	ND	E8	2.0	0.17	ug/L			09/30/19 09:13	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			09/30/19 09:13	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			09/30/19 09:13	1
Toluene	ND	E8	2.0	0.28	ug/L			09/30/19 09:13	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			09/30/19 09:13	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			09/30/19 09:13	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			09/30/19 09:13	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			09/30/19 09:13	1
Vinyl acetate	ND	E8	25	0.81	ug/L			09/30/19 09:13	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			09/30/19 09:13	1
Xylenes, Total	ND	E8	10	0.86	ug/L			09/30/19 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*09/30/19 09:13*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*09/30/19 09:13*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*09/30/19 09:13*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190957/3
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.7		ug/L		95	70 - 130
1,1,1-Trichloroethane	25.0	24.8		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	70 - 130
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	70 - 130
1,1-Dichloroethane	25.0	24.2		ug/L		97	70 - 130
1,1-Dichloroethene	25.0	24.3		ug/L		97	70 - 130
1,1-Dichloropropene	25.0	25.6		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	25.0	24.5		ug/L		98	70 - 130
1,2,3-Trichloropropane	25.0	25.9		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	25.0	26.1		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	25.0	25.1		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.0		ug/L		104	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.8		ug/L		99	70 - 130
1,2-Dichlorobenzene	25.0	24.6		ug/L		99	70 - 130
1,2-Dichloroethane	25.0	24.3		ug/L		97	70 - 130
1,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	70 - 130
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130
1,3-Dichloropropane	25.0	25.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	23.6		ug/L		95	70 - 130
2,2-Dichloropropane	25.0	29.2		ug/L		117	70 - 130
2-Butanone (MEK)	25.0	42.2	L5 V1	ug/L		169	50 - 150
2-Chlorotoluene	25.0	24.9		ug/L		100	70 - 130
2-Hexanone	25.0	39.3	L5 V1	ug/L		157	52 - 138
4-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	28.5		ug/L		114	64 - 131
Acetone	25.0	53.3	L5 V1	ug/L		213	18 - 150
Benzene	25.0	25.4		ug/L		102	70 - 130
Bromobenzene	25.0	24.8		ug/L		99	70 - 130
Bromochloromethane	25.0	24.6		ug/L		98	70 - 130
Bromodichloromethane	25.0	24.9		ug/L		100	70 - 130
Bromoform	25.0	25.0		ug/L		100	70 - 130
Bromomethane	25.0	23.7		ug/L		95	62 - 136
Carbon disulfide	25.0	27.7		ug/L		111	70 - 130
Carbon tetrachloride	25.0	24.6		ug/L		98	70 - 130
Chlorobenzene	25.0	24.2		ug/L		97	70 - 130
Chloroethane	25.0	27.8		ug/L		111	70 - 130
Chloroform	25.0	23.3		ug/L		93	80 - 120
Chloromethane	25.0	21.7		ug/L		87	64 - 134
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	70 - 130
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	70 - 130
Chlorodibromomethane	25.0	23.8		ug/L		95	70 - 130
Dibromomethane	25.0	26.4		ug/L		105	70 - 130
Dichlorodifluoromethane	25.0	25.1		ug/L		100	29 - 150
Ethylbenzene	25.0	24.7		ug/L		99	80 - 120
Hexachlorobutadiene	25.0	24.2		ug/L		97	70 - 130
Iodomethane	25.0	25.2		ug/L		101	70 - 136
Isopropylbenzene	25.0	25.7		ug/L		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-190957/3
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylenes	25.0	26.3		ug/L		105	70 - 130
Methylene Chloride	25.0	22.3		ug/L		89	70 - 130
Methyl tert-butyl ether	25.0	27.5		ug/L		110	70 - 132
Naphthalene	25.0	24.9		ug/L		99	70 - 130
n-Butylbenzene	25.0	24.7		ug/L		99	70 - 130
n-Propylbenzene	25.0	25.3		ug/L		101	70 - 130
o-Xylene	25.0	26.0		ug/L		104	70 - 130
p-Isopropyltoluene	25.0	25.6		ug/L		102	70 - 130
sec-Butylbenzene	25.0	25.0		ug/L		100	70 - 130
Styrene	25.0	26.0		ug/L		104	70 - 130
tert-Butylbenzene	25.0	25.6		ug/L		102	70 - 130
Tetrachloroethene	25.0	24.7		ug/L		99	70 - 130
Toluene	25.0	25.5		ug/L		102	80 - 120
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	70 - 130
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	70 - 130
Trichloroethene	25.0	25.1		ug/L		101	70 - 130
Trichlorofluoromethane	25.0	26.3		ug/L		105	70 - 130
Vinyl acetate	25.0	25.0		ug/L		100	63 - 147
Vinyl chloride	25.0	21.6		ug/L		86	70 - 130
Xylenes, Total	50.0	52.3		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 550-190957/4
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.8		ug/L		95	70 - 130	0	20
1,1,1-Trichloroethane	25.0	24.8		ug/L		99	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130	5	20
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	70 - 130	0	20
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130	3	20
1,1-Dichloroethene	25.0	25.1		ug/L		100	70 - 130	3	20
1,1-Dichloropropene	25.0	25.9		ug/L		103	70 - 130	1	20
1,2,3-Trichlorobenzene	25.0	23.1		ug/L		92	70 - 130	6	20
1,2,3-Trichloropropane	25.0	28.1		ug/L		112	70 - 130	8	20
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	70 - 130	5	20
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	28.5		ug/L		114	61 - 130	9	21
1,2-Dibromoethane (EDB)	25.0	25.0		ug/L		100	70 - 130	1	20
1,2-Dichlorobenzene	25.0	24.4		ug/L		97	70 - 130	1	20
1,2-Dichloroethane	25.0	24.9		ug/L		99	70 - 130	2	20
1,2-Dichloropropane	25.0	25.1		ug/L		101	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 130	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190957/4
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130	0	20
1,3-Dichloropropane	25.0	25.1		ug/L		101	70 - 130	0	20
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130	1	20
2,2-Dichloropropane	25.0	28.2		ug/L		113	70 - 130	3	20
2-Butanone (MEK)	25.0	48.6	L5 V1	ug/L		194	50 - 150	14	34
2-Chlorotoluene	25.0	25.1		ug/L		101	70 - 130	1	20
2-Hexanone	25.0	40.4	L5 V1	ug/L		161	52 - 138	3	29
4-Chlorotoluene	25.0	25.4		ug/L		102	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	25.0	30.7		ug/L		123	64 - 131	7	23
Acetone	25.0	55.2	L5 V1	ug/L		221	18 - 150	3	35
Benzene	25.0	25.3		ug/L		101	70 - 130	1	20
Bromobenzene	25.0	24.7		ug/L		99	70 - 130	0	20
Bromochloromethane	25.0	25.6		ug/L		102	70 - 130	4	20
Bromodichloromethane	25.0	24.7		ug/L		99	70 - 130	1	20
Bromoform	25.0	25.9		ug/L		103	70 - 130	3	20
Bromomethane	25.0	23.3		ug/L		93	62 - 136	1	20
Carbon disulfide	25.0	26.2		ug/L		105	70 - 130	5	20
Carbon tetrachloride	25.0	25.0		ug/L		100	70 - 130	2	20
Chlorobenzene	25.0	23.9		ug/L		95	70 - 130	1	20
Chloroethane	25.0	28.0		ug/L		112	70 - 130	1	20
Chloroform	25.0	23.8		ug/L		95	80 - 120	2	20
Chloromethane	25.0	21.2		ug/L		85	64 - 134	2	20
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 130	1	20
Chlorodibromomethane	25.0	24.2		ug/L		97	70 - 130	1	20
Dibromomethane	25.0	26.1		ug/L		105	70 - 130	1	20
Dichlorodifluoromethane	25.0	25.2		ug/L		101	29 - 150	1	21
Ethylbenzene	25.0	24.2		ug/L		97	80 - 120	2	20
Hexachlorobutadiene	25.0	23.1		ug/L		92	70 - 130	5	20
Iodomethane	25.0	26.0		ug/L		104	70 - 136	3	20
Isopropylbenzene	25.0	26.0		ug/L		104	70 - 130	1	20
m,p-Xylenes	25.0	26.4		ug/L		106	70 - 130	0	20
Methylene Chloride	25.0	22.9		ug/L		92	70 - 130	3	20
Methyl tert-butyl ether	25.0	28.3		ug/L		113	70 - 132	3	20
Naphthalene	25.0	24.8		ug/L		99	70 - 130	0	20
n-Butylbenzene	25.0	24.3		ug/L		97	70 - 130	2	20
n-Propylbenzene	25.0	25.6		ug/L		102	70 - 130	1	20
o-Xylene	25.0	26.4		ug/L		106	70 - 130	2	20
p-Isopropyltoluene	25.0	25.6		ug/L		102	70 - 130	0	20
sec-Butylbenzene	25.0	25.3		ug/L		101	70 - 130	1	20
Styrene	25.0	26.0		ug/L		104	70 - 130	0	20
tert-Butylbenzene	25.0	25.6		ug/L		102	70 - 130	0	20
Tetrachloroethene	25.0	24.5		ug/L		98	70 - 130	1	20
Toluene	25.0	25.2		ug/L		101	80 - 120	1	20
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	70 - 130	3	20
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	70 - 130	1	20
Trichloroethene	25.0	25.4		ug/L		101	70 - 130	1	20
Trichlorofluoromethane	25.0	27.2		ug/L		109	70 - 130	3	20
Vinyl acetate	25.0	27.4		ug/L		110	63 - 147	9	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-190957/4
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			25.0	22.0		ug/L		88	70 - 130	2	20
Xylenes, Total			50.0	52.8		ug/L		106	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: MB 550-191042/9
Matrix: Water
Analysis Batch: 191042

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	E8	20	7.3	ug/L			09/30/19 15:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*09/30/19 15:11*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/30/19 15:11*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*09/30/19 15:11*	*1*

Lab Sample ID: LCS 550-191042/5
Matrix: Water
Analysis Batch: 191042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			25.0	31.0		ug/L		124	18 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*120*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 550-191042/6
Matrix: Water
Analysis Batch: 191042

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			25.0	28.7		ug/L		115	18 - 150	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*117*		*70 - 130*
Toluene-d8 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130413-H-5 MS
Matrix: Water
Analysis Batch: 191042

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	E8	25.0	25.3		ug/L		101	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*54*	*N1 S7*	*70 - 130*
Toluene-d8 (Surr)	*73*		*70 - 130*
4-Bromofluorobenzene (Surr)	*67*	*N1 S7*	*70 - 130*

Lab Sample ID: 550-130413-I-5 MSD
Matrix: Water
Analysis Batch: 191042

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	E8	25.0	21.3		ug/L		85	10 - 150	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*81*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Lab Sample ID: 550-129780-H-5 MS
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane - DL	ND	E8	250	267		ug/L		107	67 - 137
1,1,1-Trichloroethane - DL	ND	E8	250	259		ug/L		104	64 - 143
1,1,2,2-Tetrachloroethane - DL	ND	E8	250	273		ug/L		109	63 - 136
1,1,2-Trichloroethane - DL	ND	E8	250	277		ug/L		111	66 - 137
1,1-Dichloroethane - DL	ND	E8	250	271		ug/L		108	70 - 137
1,1-Dichloroethene - DL	ND	E8	250	268		ug/L		107	53 - 150
1,1-Dichloropropene - DL	ND	E8	250	266		ug/L		106	58 - 141
1,2,3-Trichlorobenzene - DL	ND	E8	250	278		ug/L		111	57 - 144
1,2,3-Trichloropropane - DL	ND	E8	250	275		ug/L		110	60 - 138
1,2,4-Trichlorobenzene - DL	ND	E8	250	272		ug/L		109	58 - 140
1,2,4-Trimethylbenzene - DL	ND	E8	250	256		ug/L		102	50 - 147
1,2-Dibromo-3-Chloropropane - DL	ND	E8	250	269		ug/L		107	51 - 143
1,2-Dibromoethane (EDB) - DL	ND	E8	250	269		ug/L		108	67 - 136
1,2-Dichlorobenzene - DL	ND	E8	250	256		ug/L		103	67 - 131
1,2-Dichloroethane - DL	ND	E8	250	274		ug/L		110	58 - 146
1,2-Dichloropropane - DL	ND	E8	250	265		ug/L		106	66 - 135
1,3,5-Trimethylbenzene - DL	ND	E8	250	298		ug/L		119	50 - 147
1,3-Dichlorobenzene - DL	ND	E8	250	257		ug/L		103	68 - 130
1,3-Dichloropropane - DL	ND	E8	250	278		ug/L		111	67 - 134
1,4-Dichlorobenzene - DL	ND	E8	250	253		ug/L		101	68 - 128
2,2-Dichloropropane - DL	ND	E8	250	254		ug/L		102	54 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129780-H-5 MS
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK) - DL	ND	E8	250	262		ug/L		105	10 - 150
2-Chlorotoluene - DL	ND	E8	250	255		ug/L		102	63 - 132
2-Hexanone - DL	ND	E8	250	260		ug/L		104	37 - 150
4-Chlorotoluene - DL	ND	E8	250	258		ug/L		103	66 - 131
4-Methyl-2-pentanone (MIBK) - DL	ND	E8	250	272		ug/L		109	41 - 150
Acetone - DL	ND	E8	250	246		ug/L		98	10 - 150
Benzene - DL	ND	E8	250	262		ug/L		105	54 - 142
Bromobenzene - DL	ND	E8	250	268		ug/L		107	69 - 132
Bromochloromethane - DL	ND	E8	250	259		ug/L		104	67 - 145
Bromodichloromethane - DL	ND	E8	250	268		ug/L		107	61 - 143
Bromoform - DL	ND	E8	250	291		ug/L		116	57 - 142
Bromomethane - DL	ND	E8	250	240		ug/L		96	56 - 149
Carbon disulfide - DL	ND	E8	250	257		ug/L		103	48 - 150
Carbon tetrachloride - DL	ND	E8	250	274		ug/L		110	60 - 143
Chlorobenzene - DL	ND	E8	250	263		ug/L		105	69 - 129
Chloroethane - DL	ND	E8	250	260		ug/L		104	60 - 146
Chloroform - DL	ND	E8	250	264		ug/L		106	69 - 138
Chloromethane - DL	ND	E8	250	255		ug/L		102	50 - 150
cis-1,2-Dichloroethene - DL	ND	E8	250	261		ug/L		104	65 - 139
cis-1,3-Dichloropropene - DL	ND	E8	250	267		ug/L		107	57 - 145
Chlorodibromomethane - DL	ND	E8	250	263		ug/L		105	61 - 143
Dibromomethane - DL	ND	E8	250	270		ug/L		108	64 - 138
Dichlorodifluoromethane - DL	ND	E8	250	254		ug/L		102	21 - 150
Ethylbenzene - DL	ND	E8	250	256		ug/L		102	46 - 149
Hexachlorobutadiene - DL	ND	E8	250	264		ug/L		106	49 - 146
Iodomethane - DL	ND	E8	250	268		ug/L		107	43 - 150
Isopropylbenzene - DL	ND	E8	250	259		ug/L		104	56 - 143
m,p-Xylenes - DL	ND	E8	250	262		ug/L		105	52 - 144
Methylene Chloride - DL	ND	E8	250	249		ug/L		100	66 - 134
Methyl tert-butyl ether - DL	400		250	676		ug/L		110	56 - 148
Naphthalene - DL	ND	E8	250	277		ug/L		111	47 - 150
n-Butylbenzene - DL	ND	E8	250	256		ug/L		102	54 - 145
n-Propylbenzene - DL	ND	E8	250	261		ug/L		104	54 - 144
o-Xylene - DL	ND	E8	250	263		ug/L		105	55 - 143
p-Isopropyltoluene - DL	ND	E8	250	259		ug/L		104	53 - 147
sec-Butylbenzene - DL	ND	E8	250	258		ug/L		103	55 - 145
Styrene - DL	ND	E8	250	261		ug/L		104	21 - 150
tert-Butylbenzene - DL	ND	E8	250	258		ug/L		103	57 - 143
Tetrachloroethene - DL	ND	E8	250	262		ug/L		105	37 - 150
Toluene - DL	ND	E8	250	260		ug/L		104	56 - 141
trans-1,2-Dichloroethene - DL	ND	E8	250	259		ug/L		104	69 - 136
trans-1,3-Dichloropropene - DL	ND	E8	250	276		ug/L		110	57 - 147
Trichloroethene - DL	ND	E8	250	265		ug/L		106	62 - 134
Trichlorofluoromethane - DL	ND	E8	250	247		ug/L		99	60 - 150
Vinyl acetate - DL	ND	E8	250	289		ug/L		116	14 - 150
Vinyl chloride - DL	ND	E8	250	263		ug/L		105	48 - 150
Xylenes, Total - DL	ND	E8	500	525		ug/L		105	53 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129780-H-5 MS
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr) - DL	*96*		*70 - 130*
Toluene-d8 (Surr) - DL	*94*		*70 - 130*
4-Bromofluorobenzene (Surr) - DL	*95*		*70 - 130*

Lab Sample ID: 550-129780-H-5 MSD
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane - DL	ND	E8	250	254		ug/L		102	67 - 137	5	35
1,1,1-Trichloroethane - DL	ND	E8	250	248		ug/L		99	64 - 143	5	35
1,1,2,2-Tetrachloroethane - DL	ND	E8	250	255		ug/L		102	63 - 136	7	35
1,1,2-Trichloroethane - DL	ND	E8	250	266		ug/L		107	66 - 137	4	35
1,1-Dichloroethane - DL	ND	E8	250	255		ug/L		102	70 - 137	6	35
1,1-Dichloroethene - DL	ND	E8	250	250		ug/L		100	53 - 150	7	35
1,1-Dichloropropene - DL	ND	E8	250	254		ug/L		102	58 - 141	5	35
1,2,3-Trichlorobenzene - DL	ND	E8	250	269		ug/L		107	57 - 144	3	35
1,2,3-Trichloropropane - DL	ND	E8	250	255		ug/L		102	60 - 138	7	35
1,2,4-Trichlorobenzene - DL	ND	E8	250	260		ug/L		104	58 - 140	5	35
1,2,4-Trimethylbenzene - DL	ND	E8	250	240		ug/L		96	50 - 147	6	35
1,2-Dibromo-3-Chloropropane - DL	ND	E8	250	252		ug/L		101	51 - 143	6	35
1,2-Dibromoethane (EDB) - DL	ND	E8	250	260		ug/L		104	67 - 136	4	35
1,2-Dichlorobenzene - DL	ND	E8	250	245		ug/L		98	67 - 131	5	35
1,2-Dichloroethane - DL	ND	E8	250	262		ug/L		105	58 - 146	4	35
1,2-Dichloropropane - DL	ND	E8	250	255		ug/L		102	66 - 135	4	35
1,3,5-Trimethylbenzene - DL	ND	E8	250	289		ug/L		116	50 - 147	3	35
1,3-Dichlorobenzene - DL	ND	E8	250	243		ug/L		97	68 - 130	6	35
1,3-Dichloropropane - DL	ND	E8	250	262		ug/L		105	67 - 134	6	35
1,4-Dichlorobenzene - DL	ND	E8	250	242		ug/L		97	68 - 128	5	35
2,2-Dichloropropane - DL	ND	E8	250	253		ug/L		101	54 - 150	0	35
2-Butanone (MEK) - DL	ND	E8	250	248		ug/L		99	10 - 150	6	35
2-Chlorotoluene - DL	ND	E8	250	240		ug/L		96	63 - 132	6	35
2-Hexanone - DL	ND	E8	250	251		ug/L		101	37 - 150	3	35
4-Chlorotoluene - DL	ND	E8	250	244		ug/L		98	66 - 131	5	35
4-Methyl-2-pentanone (MIBK) - DL	ND	E8	250	262		ug/L		105	41 - 150	4	35
Acetone - DL	ND	E8	250	260		ug/L		104	10 - 150	6	35
Benzene - DL	ND	E8	250	248		ug/L		99	54 - 142	5	35
Bromobenzene - DL	ND	E8	250	250		ug/L		100	69 - 132	7	35
Bromochloromethane - DL	ND	E8	250	256		ug/L		102	67 - 145	1	35
Bromodichloromethane - DL	ND	E8	250	257		ug/L		103	61 - 143	4	35
Bromoform - DL	ND	E8	250	275		ug/L		110	57 - 142	6	35
Bromomethane - DL	ND	E8	250	239		ug/L		95	56 - 149	1	35
Carbon disulfide - DL	ND	E8	250	244		ug/L		97	48 - 150	5	35
Carbon tetrachloride - DL	ND	E8	250	257		ug/L		103	60 - 143	6	35
Chlorobenzene - DL	ND	E8	250	251		ug/L		100	69 - 129	5	35

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129780-H-5 MSD
Matrix: Water
Analysis Batch: 190278

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane - DL	ND	E8	250	253		ug/L		101	60 - 146	3	35
Chloroform - DL	ND	E8	250	250		ug/L		100	69 - 138	6	35
Chloromethane - DL	ND	E8	250	251		ug/L		100	50 - 150	1	35
cis-1,2-Dichloroethene - DL	ND	E8	250	254		ug/L		102	65 - 139	3	35
cis-1,3-Dichloropropene - DL	ND	E8	250	260		ug/L		104	57 - 145	3	35
Chlorodibromomethane - DL	ND	E8	250	252		ug/L		101	61 - 143	4	35
Dibromomethane - DL	ND	E8	250	261		ug/L		105	64 - 138	3	35
Dichlorodifluoromethane - DL	ND	E8	250	239		ug/L		96	21 - 150	6	35
Ethylbenzene - DL	ND	E8	250	241		ug/L		97	46 - 149	6	35
Hexachlorobutadiene - DL	ND	E8	250	257		ug/L		103	49 - 146	3	35
Iodomethane - DL	ND	E8	250	258		ug/L		103	43 - 150	4	35
Isopropylbenzene - DL	ND	E8	250	242		ug/L		97	56 - 143	7	35
m,p-Xylenes - DL	ND	E8	250	243		ug/L		97	52 - 144	7	35
Methylene Chloride - DL	ND	E8	250	238		ug/L		95	66 - 134	5	35
Methyl tert-butyl ether - DL	400		250	647		ug/L		99	56 - 148	4	35
Naphthalene - DL	ND	E8	250	270		ug/L		108	47 - 150	3	35
n-Butylbenzene - DL	ND	E8	250	243		ug/L		97	54 - 145	5	35
n-Propylbenzene - DL	ND	E8	250	244		ug/L		98	54 - 144	6	35
o-Xylene - DL	ND	E8	250	244		ug/L		98	55 - 143	7	35
p-Isopropyltoluene - DL	ND	E8	250	241		ug/L		96	53 - 147	7	35
sec-Butylbenzene - DL	ND	E8	250	242		ug/L		97	55 - 145	6	35
Styrene - DL	ND	E8	250	246		ug/L		98	21 - 150	6	35
tert-Butylbenzene - DL	ND	E8	250	244		ug/L		98	57 - 143	5	35
Tetrachloroethene - DL	ND	E8	250	247		ug/L		99	37 - 150	6	35
Toluene - DL	ND	E8	250	248		ug/L		99	56 - 141	5	35
trans-1,2-Dichloroethene - DL	ND	E8	250	250		ug/L		100	69 - 136	4	35
trans-1,3-Dichloropropene - DL	ND	E8	250	264		ug/L		106	57 - 147	5	35
Trichloroethene - DL	ND	E8	250	250		ug/L		100	62 - 134	6	35
Trichlorofluoromethane - DL	ND	E8	250	232		ug/L		93	60 - 150	6	35
Vinyl acetate - DL	ND	E8	250	265		ug/L		106	14 - 150	9	35
Vinyl chloride - DL	ND	E8	250	250		ug/L		100	48 - 150	5	35
Xylenes, Total - DL	ND	E8	500	487		ug/L		97	53 - 145	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr) - DL	*96*		*70 - 130*
Toluene-d8 (Surr) - DL	*93*		*70 - 130*
4-Bromofluorobenzene (Surr) - DL	*92*		*70 - 130*

Lab Sample ID: 550-129979-C-1 MS
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane - DL	ND	E8	1250	1210		ug/L		97	67 - 137
1,1,1-Trichloroethane - DL	ND	E8	1250	1220		ug/L		98	64 - 143
1,1,2,2-Tetrachloroethane - DL	ND	E8	1250	1210		ug/L		97	63 - 136
1,1,2-Trichloroethane - DL	ND	E8	1250	1210		ug/L		97	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129979-C-1 MS
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane - DL	ND	E8	1250	1240		ug/L		99	70 - 137
1,1-Dichloroethene - DL	ND	E8	1250	1220		ug/L		98	53 - 150
1,1-Dichloropropene - DL	ND	E8	1250	1270		ug/L		101	58 - 141
1,2,3-Trichlorobenzene - DL	ND	E8	1250	1130		ug/L		90	57 - 144
1,2,3-Trichloropropane - DL	ND	E8	1250	1290		ug/L		103	60 - 138
1,2,4-Trichlorobenzene - DL	ND	E8	1250	1190		ug/L		95	58 - 140
1,2,4-Trimethylbenzene - DL	ND	E8	1250	1240		ug/L		99	50 - 147
1,2-Dibromo-3-Chloropropane - DL	ND	E8	1250	1250		ug/L		100	51 - 143
1,2-Dibromoethane (EDB) - DL	ND	E8	1250	1240		ug/L		100	67 - 136
1,2-Dichlorobenzene - DL	ND	E8	1250	1210		ug/L		97	67 - 131
1,2-Dichloroethane - DL	ND	E8	1250	1260		ug/L		101	58 - 146
1,2-Dichloropropane - DL	ND	E8	1250	1280		ug/L		102	66 - 135
1,3,5-Trimethylbenzene - DL	ND	E8	1250	1250		ug/L		100	50 - 147
1,3-Dichlorobenzene - DL	ND	E8	1250	1190		ug/L		95	68 - 130
1,3-Dichloropropane - DL	ND	E8	1250	1270		ug/L		101	67 - 134
1,4-Dichlorobenzene - DL	ND	E8	1250	1160		ug/L		93	68 - 128
2,2-Dichloropropane - DL	ND	E8	1250	1390		ug/L		111	54 - 150
2-Butanone (MEK) - DL	ND	E8 L5 V1	1250	1280	V1	ug/L		102	10 - 150
2-Chlorotoluene - DL	ND	E8	1250	1230		ug/L		98	63 - 132
2-Hexanone - DL	ND	E8 L5 V1	1250	1220	V1	ug/L		98	37 - 150
4-Chlorotoluene - DL	ND	E8	1250	1220		ug/L		97	66 - 131
4-Methyl-2-pentanone (MIBK) - DL	ND	E8	1250	1340		ug/L		107	41 - 150
Acetone - DL	ND	E8 L5 V1	1250	1100	V1	ug/L		88	10 - 150
Benzene - DL	ND	E8	1250	1270		ug/L		101	54 - 142
Bromobenzene - DL	ND	E8	1250	1230		ug/L		98	69 - 132
Bromochloromethane - DL	ND	E8	1250	1270		ug/L		101	67 - 145
Bromodichloromethane - DL	ND	E8	1250	1250		ug/L		100	61 - 143
Bromoform - DL	ND	E8	1250	1250		ug/L		100	57 - 142
Bromomethane - DL	ND	E8	1250	1060		ug/L		85	56 - 149
Carbon disulfide - DL	ND	E8	1250	1380		ug/L		110	48 - 150
Carbon tetrachloride - DL	ND	E8	1250	1240		ug/L		99	60 - 143
Chlorobenzene - DL	ND	E8	1250	1200		ug/L		96	69 - 129
Chloroethane - DL	ND	E8	1250	1260		ug/L		101	60 - 146
Chloroform - DL	ND	E8	1250	1180		ug/L		94	69 - 138
Chloromethane - DL	ND	E8	1250	1090		ug/L		87	50 - 150
cis-1,2-Dichloroethene - DL	ND	E8	1250	1380		ug/L		110	65 - 139
cis-1,3-Dichloropropene - DL	ND	E8	1250	1290		ug/L		103	57 - 145
Chlorodibromomethane - DL	ND	E8	1250	1230		ug/L		98	61 - 143
Dibromomethane - DL	ND	E8	1250	1320		ug/L		106	64 - 138
Dichlorodifluoromethane - DL	ND	E8	1250	1200		ug/L		96	21 - 150
Ethylbenzene - DL	ND	E8	1250	1220		ug/L		98	46 - 149
Hexachlorobutadiene - DL	ND	E8	1250	1100		ug/L		88	49 - 146
Iodomethane - DL	ND	E8	1250	1260		ug/L		100	43 - 150
Isopropylbenzene - DL	ND	E8	1250	1260		ug/L		101	56 - 143
m,p-Xylenes - DL	ND	E8	1250	1300		ug/L		104	52 - 144
Methylene Chloride - DL	ND	E8	1250	1160		ug/L		93	66 - 134
Methyl tert-butyl ether - DL	ND	E8	1250	1380		ug/L		110	56 - 148

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129979-C-1 MS
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene - DL	ND	E8	1250	1140		ug/L		91	47 - 150
n-Butylbenzene - DL	ND	E8	1250	1170		ug/L		93	54 - 145
n-Propylbenzene - DL	ND	E8	1250	1230		ug/L		98	54 - 144
o-Xylene - DL	ND	E8	1250	1300		ug/L		104	55 - 143
p-Isopropyltoluene - DL	ND	E8	1250	1230		ug/L		98	53 - 147
sec-Butylbenzene - DL	ND	E8	1250	1220		ug/L		98	55 - 145
Styrene - DL	ND	E8	1250	1280		ug/L		103	21 - 150
tert-Butylbenzene - DL	ND	E8	1250	1260		ug/L		101	57 - 143
Tetrachloroethene - DL	ND	E8	1250	1210		ug/L		96	37 - 150
Toluene - DL	ND	E8	1250	1270		ug/L		101	56 - 141
trans-1,2-Dichloroethene - DL	ND	E8	1250	1250		ug/L		100	69 - 136
trans-1,3-Dichloropropene - DL	ND	E8	1250	1270		ug/L		102	57 - 147
Trichloroethene - DL	ND	E8	1250	1220		ug/L		98	62 - 134
Trichlorofluoromethane - DL	ND	E8	1250	1190		ug/L		95	60 - 150
Vinyl acetate - DL	ND	E8	1250	1270	E4	ug/L		102	14 - 150
Vinyl chloride - DL	ND	E8	1250	1150		ug/L		92	48 - 150
Xylenes, Total - DL	ND	E8	2500	2600		ug/L		104	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr) - DL	*111*		*70 - 130*
Toluene-d8 (Surr) - DL	*118*		*70 - 130*
4-Bromofluorobenzene (Surr) - DL	*111*		*70 - 130*

Lab Sample ID: 550-129979-C-1 MSD
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane - DL	ND	E8	1250	1190		ug/L		95	67 - 137	1	35
1,1,1-Trichloroethane - DL	ND	E8	1250	1210		ug/L		97	64 - 143	1	35
1,1,2,2-Tetrachloroethane - DL	ND	E8	1250	1220		ug/L		97	63 - 136	0	35
1,1,2-Trichloroethane - DL	ND	E8	1250	1220		ug/L		98	66 - 137	1	35
1,1-Dichloroethane - DL	ND	E8	1250	1250		ug/L		100	70 - 137	1	35
1,1-Dichloroethene - DL	ND	E8	1250	1240		ug/L		99	53 - 150	1	35
1,1-Dichloropropene - DL	ND	E8	1250	1270		ug/L		102	58 - 141	0	35
1,2,3-Trichlorobenzene - DL	ND	E8	1250	1170		ug/L		94	57 - 144	4	35
1,2,3-Trichloropropane - DL	ND	E8	1250	1270		ug/L		101	60 - 138	2	35
1,2,4-Trichlorobenzene - DL	ND	E8	1250	1240		ug/L		99	58 - 140	4	35
1,2,4-Trimethylbenzene - DL	ND	E8	1250	1250		ug/L		100	50 - 147	1	35
1,2-Dibromo-3-Chloropropane - DL	ND	E8	1250	1270		ug/L		101	51 - 143	1	35
1,2-Dibromoethane (EDB) - DL	ND	E8	1250	1240		ug/L		99	67 - 136	0	35
1,2-Dichlorobenzene - DL	ND	E8	1250	1210		ug/L		97	67 - 131	0	35
1,2-Dichloroethane - DL	ND	E8	1250	1280		ug/L		102	58 - 146	2	35
1,2-Dichloropropane - DL	ND	E8	1250	1260		ug/L		101	66 - 135	2	35
1,3,5-Trimethylbenzene - DL	ND	E8	1250	1260		ug/L		101	50 - 147	1	35
1,3-Dichlorobenzene - DL	ND	E8	1250	1190		ug/L		96	68 - 130	1	35

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129979-C-1 MSD
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichloropropane - DL	ND	E8	1250	1270		ug/L		101	67 - 134	0	35
1,4-Dichlorobenzene - DL	ND	E8	1250	1170		ug/L		94	68 - 128	1	35
2,2-Dichloropropane - DL	ND	E8	1250	1300		ug/L		104	54 - 150	6	35
2-Butanone (MEK) - DL	ND	E8 L5 V1	1250	1270	V1	ug/L		102	10 - 150	1	35
2-Chlorotoluene - DL	ND	E8	1250	1250		ug/L		100	63 - 132	2	35
2-Hexanone - DL	ND	E8 L5 V1	1250	1190	V1	ug/L		95	37 - 150	3	35
4-Chlorotoluene - DL	ND	E8	1250	1220		ug/L		98	66 - 131	0	35
4-Methyl-2-pentanone (MIBK) - DL	ND	E8	1250	1380		ug/L		110	41 - 150	3	35
Acetone - DL	ND	E8 L5 V1	1250	1080	V1	ug/L		86	10 - 150	2	35
Benzene - DL	ND	E8	1250	1270		ug/L		101	54 - 142	0	35
Bromobenzene - DL	ND	E8	1250	1250		ug/L		100	69 - 132	2	35
Bromochloromethane - DL	ND	E8	1250	1260		ug/L		101	67 - 145	0	35
Bromodichloromethane - DL	ND	E8	1250	1260		ug/L		101	61 - 143	1	35
Bromoform - DL	ND	E8	1250	1280		ug/L		102	57 - 142	2	35
Bromomethane - DL	ND	E8	1250	1120		ug/L		89	56 - 149	5	35
Carbon disulfide - DL	ND	E8	1250	1350		ug/L		108	48 - 150	2	35
Carbon tetrachloride - DL	ND	E8	1250	1260		ug/L		101	60 - 143	2	35
Chlorobenzene - DL	ND	E8	1250	1200		ug/L		96	69 - 129	0	35
Chloroethane - DL	ND	E8	1250	1260		ug/L		101	60 - 146	0	35
Chloroform - DL	ND	E8	1250	1180		ug/L		94	69 - 138	0	35
Chloromethane - DL	ND	E8	1250	1080		ug/L		87	50 - 150	1	35
cis-1,2-Dichloroethene - DL	ND	E8	1250	1320		ug/L		106	65 - 139	5	35
cis-1,3-Dichloropropene - DL	ND	E8	1250	1290		ug/L		103	57 - 145	0	35
Chlorodibromomethane - DL	ND	E8	1250	1240		ug/L		99	61 - 143	1	35
Dibromomethane - DL	ND	E8	1250	1300		ug/L		104	64 - 138	1	35
Dichlorodifluoromethane - DL	ND	E8	1250	1190		ug/L		95	21 - 150	0	35
Ethylbenzene - DL	ND	E8	1250	1220		ug/L		98	46 - 149	0	35
Hexachlorobutadiene - DL	ND	E8	1250	1170		ug/L		94	49 - 146	6	35
Iodomethane - DL	ND	E8	1250	1280		ug/L		102	43 - 150	2	35
Isopropylbenzene - DL	ND	E8	1250	1280		ug/L		103	56 - 143	1	35
m,p-Xylenes - DL	ND	E8	1250	1300		ug/L		104	52 - 144	0	35
Methylene Chloride - DL	ND	E8	1250	1170		ug/L		93	66 - 134	1	35
Methyl tert-butyl ether - DL	ND	E8	1250	1380		ug/L		111	56 - 148	0	35
Naphthalene - DL	ND	E8	1250	1190		ug/L		95	47 - 150	5	35
n-Butylbenzene - DL	ND	E8	1250	1200		ug/L		96	54 - 145	2	35
n-Propylbenzene - DL	ND	E8	1250	1260		ug/L		101	54 - 144	2	35
o-Xylene - DL	ND	E8	1250	1310		ug/L		105	55 - 143	1	35
p-Isopropyltoluene - DL	ND	E8	1250	1260		ug/L		101	53 - 147	2	35
sec-Butylbenzene - DL	ND	E8	1250	1250		ug/L		100	55 - 145	3	35
Styrene - DL	ND	E8	1250	1250		ug/L		100	21 - 150	3	35
tert-Butylbenzene - DL	ND	E8	1250	1290		ug/L		103	57 - 143	2	35
Tetrachloroethene - DL	ND	E8	1250	1190		ug/L		96	37 - 150	1	35
Toluene - DL	ND	E8	1250	1270		ug/L		101	56 - 141	0	35
trans-1,2-Dichloroethene - DL	ND	E8	1250	1250		ug/L		100	69 - 136	0	35
trans-1,3-Dichloropropene - DL	ND	E8	1250	1270		ug/L		102	57 - 147	0	35
Trichloroethene - DL	ND	E8	1250	1230		ug/L		99	62 - 134	1	35
Trichlorofluoromethane - DL	ND	E8	1250	1310		ug/L		105	60 - 150	10	35
Vinyl acetate - DL	ND	E8	1250	1290	E4	ug/L		103	14 - 150	1	35

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: 550-129979-C-1 MSD
Matrix: Water
Analysis Batch: 190957

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride - DL	ND	E8	1250	1080		ug/L		87	48 - 150	6	35
Xylenes, Total - DL	ND	E8	2500	2610		ug/L		104	53 - 145	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr) - DL	*108*		*70 - 130*
Toluene-d8 (Surr) - DL	*115*		*70 - 130*
4-Bromofluorobenzene (Surr) - DL	*110*		*70 - 130*

QC Association Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

GC/MS VOA

Analysis Batch: 190260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-1	Trip Blank	Total/NA	Water	8260B	
550-130039-3	AVB 129-02-20190917	Total/NA	Water	8260B	
550-130039-4	AVB 129-01-20190917	Total/NA	Water	8260B	
550-130039-5	AVB 91-03-20190917	Total/NA	Water	8260B	
550-130039-6	AVB 91-02-20190917	Total/NA	Water	8260B	
550-130039-7	AVB 98-01-20190917	Total/NA	Water	8260B	
550-130039-8	AVB 71-01-20190917	Total/NA	Water	8260B	
550-130039-9	AVB 81-01-20190917	Total/NA	Water	8260B	
550-130039-10	AVB 137-01-20190917	Total/NA	Water	8260B	
550-130039-11	AVB 122-03-20190917	Total/NA	Water	8260B	
550-130039-12	AVB 136-01-20190917	Total/NA	Water	8260B	
550-130039-13	AVB 127-01-20190917	Total/NA	Water	8260B	
550-130039-14	AVB 126-03-20190917	Total/NA	Water	8260B	
550-130039-15	AVB 126-02-20190917	Total/NA	Water	8260B	
550-130039-16	AVB 126-01-20190917	Total/NA	Water	8260B	
550-130039-17	DUP-02-20190917	Total/NA	Water	8260B	
550-130039-18	PDB Blank-20190917	Total/NA	Water	8260B	
550-130039-19	AVB 78-01-20190918	Total/NA	Water	8260B	
MB 550-190260/7	Method Blank	Total/NA	Water	8260B	
LCS 550-190260/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190260/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130039-3 MS	AVB 129-02-20190917	Total/NA	Water	8260B	
550-130039-3 MSD	AVB 129-02-20190917	Total/NA	Water	8260B	

Analysis Batch: 190278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-4	AVB 129-01-20190917	Total/NA	Water	8260B	
550-130039-5	AVB 91-03-20190917	Total/NA	Water	8260B	
550-130039-6	AVB 91-02-20190917	Total/NA	Water	8260B	
550-130039-7	AVB 98-01-20190917	Total/NA	Water	8260B	
550-130039-8	AVB 71-01-20190917	Total/NA	Water	8260B	
550-130039-9	AVB 81-01-20190917	Total/NA	Water	8260B	
MB 550-190278/5	Method Blank	Total/NA	Water	8260B	
LCS 550-190278/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190278/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-129780-H-5 MS - DL	Matrix Spike	Total/NA	Water	8260B	
550-129780-H-5 MSD - DL	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 190280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-20	AVB 78-02-20190918	Total/NA	Water	8260B	
550-130039-21	AVB 78-03-20190918	Total/NA	Water	8260B	
550-130039-22	AVB 139-01-20190919	Total/NA	Water	8260B	
550-130039-23	AVB 135-01-20190919	Total/NA	Water	8260B	
550-130039-24	AVB 120-02-20190919	Total/NA	Water	8260B	
550-130039-25	AVB 120-01-20190919	Total/NA	Water	8260B	
550-130039-26	AVB 121-02-20190919	Total/NA	Water	8260B	
550-130039-27	AVB 132-02-20190919	Total/NA	Water	8260B	
550-130039-28	AVB 115-01-20190919	Total/NA	Water	8260B	
550-130039-29	AVB 124-02-20190919	Total/NA	Water	8260B	
550-130039-30	AVB 133-01-20190919	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 190280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-31	DUP-03-20190919	Total/NA	Water	8260B	
550-130039-32	AVB 83-01-20190919	Total/NA	Water	8260B	
550-130039-33	AVB 69-01-20190919	Total/NA	Water	8260B	
550-130039-35	AVB 68-01-20190919	Total/NA	Water	8260B	
550-130039-36	AVB 131-01-20190919	Total/NA	Water	8260B	
MB 550-190280/7	Method Blank	Total/NA	Water	8260B	
LCS 550-190280/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190280/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130039-20 MS	AVB 78-02-20190918	Total/NA	Water	8260B	
550-130039-20 MSD	AVB 78-02-20190918	Total/NA	Water	8260B	

Analysis Batch: 190369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-2	AVB 141-01-20190917	Total/NA	Water	8260B	
MB 550-190369/5	Method Blank	Total/NA	Water	8260B	
LCS 550-190369/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190369/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130039-2 MS	AVB 141-01-20190917	Total/NA	Water	8260B	
550-130039-2 MSD	AVB 141-01-20190917	Total/NA	Water	8260B	

Analysis Batch: 190673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-3	AVB 129-02-20190917	Total/NA	Water	8260B	
550-130039-10	AVB 137-01-20190917	Total/NA	Water	8260B	
550-130039-11	AVB 122-03-20190917	Total/NA	Water	8260B	
550-130039-12	AVB 136-01-20190917	Total/NA	Water	8260B	
550-130039-13	AVB 127-01-20190917	Total/NA	Water	8260B	
550-130039-14	AVB 126-03-20190917	Total/NA	Water	8260B	
MB 550-190673/8	Method Blank	Total/NA	Water	8260B	
LCS 550-190673/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190673/5	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130231-C-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-130231-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 190775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-15	AVB 126-02-20190917	Total/NA	Water	8260B	
550-130039-16	AVB 126-01-20190917	Total/NA	Water	8260B	
550-130039-17	DUP-02-20190917	Total/NA	Water	8260B	
550-130039-18	PDB Blank-20190917	Total/NA	Water	8260B	
550-130039-22	AVB 139-01-20190919	Total/NA	Water	8260B	
550-130039-23	AVB 135-01-20190919	Total/NA	Water	8260B	
550-130039-24	AVB 120-02-20190919	Total/NA	Water	8260B	
550-130039-26	AVB 121-02-20190919	Total/NA	Water	8260B	
550-130039-27	AVB 132-02-20190919	Total/NA	Water	8260B	
550-130039-28	AVB 115-01-20190919	Total/NA	Water	8260B	
550-130039-29	AVB 124-02-20190919	Total/NA	Water	8260B	
550-130039-30	AVB 133-01-20190919	Total/NA	Water	8260B	
550-130039-31	DUP-03-20190919	Total/NA	Water	8260B	
550-130039-32	AVB 83-01-20190919	Total/NA	Water	8260B	
550-130039-33	AVB 69-01-20190919	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 190775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-35	AVB 68-01-20190919	Total/NA	Water	8260B	
550-130039-36	AVB 131-01-20190919	Total/NA	Water	8260B	
MB 550-190775/7	Method Blank	Total/NA	Water	8260B	
LCS 550-190775/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190775/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130253-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-130253-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 190957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-34	AVB 68-03-20190919	Total/NA	Water	8260B	
MB 550-190957/5	Method Blank	Total/NA	Water	8260B	
LCS 550-190957/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-190957/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-129979-C-1 MS - DL	Matrix Spike	Total/NA	Water	8260B	
550-129979-C-1 MSD - DL	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 191042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130039-15 - DL	AVB 126-02-20190917	Total/NA	Water	8260B	
550-130039-33 - DL	AVB 69-01-20190919	Total/NA	Water	8260B	
MB 550-191042/9	Method Blank	Total/NA	Water	8260B	
LCS 550-191042/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-191042/6	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130413-H-5 MS	Matrix Spike	Total/NA	Water	8260B	
550-130413-I-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-130039-1

Date Collected: 09/17/19 08:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/21/19 23:51	TC1	TAL PHX

Client Sample ID: AVB 141-01-20190917 — Lab Sample ID: 550-130039-2

Date Collected: 09/17/19 09:30 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190369	09/24/19 22:01	R1K	TAL PHX

Client Sample ID: AVB 129-02-20190917 — Lab Sample ID: 550-130039-3

Date Collected: 09/17/19 10:15 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/21/19 23:23	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190673	09/26/19 15:14	R1K	TAL PHX

Client Sample ID: AVB 129-01-20190917 — Lab Sample ID: 550-130039-4

Date Collected: 09/17/19 10:30 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190278	09/23/19 18:41	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190260	09/22/19 00:19	TC1	TAL PHX

Client Sample ID: AVB 91-03-20190917 — Lab Sample ID: 550-130039-5

Date Collected: 09/17/19 11:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190278	09/23/19 19:08	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190260	09/22/19 00:47	TC1	TAL PHX

Client Sample ID: AVB 91-02-20190917 — Lab Sample ID: 550-130039-6

Date Collected: 09/17/19 11:10 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190278	09/23/19 19:34	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190260	09/22/19 01:15	TC1	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 98-01-20190917 — Lab Sample ID: 550-130039-7

Date Collected: 09/17/19 11:30 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190278	09/23/19 20:01	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190260	09/22/19 01:43	TC1	TAL PHX

Client Sample ID: AVB 71-01-20190917 — Lab Sample ID: 550-130039-8

Date Collected: 09/17/19 12:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190278	09/23/19 20:28	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190260	09/22/19 02:11	TC1	TAL PHX

Client Sample ID: AVB 81-01-20190917 — Lab Sample ID: 550-130039-9

Date Collected: 09/17/19 12:15 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190278	09/23/19 20:55	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190260	09/22/19 02:39	TC1	TAL PHX

Client Sample ID: AVB 137-01-20190917 — Lab Sample ID: 550-130039-10

Date Collected: 09/17/19 13:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 03:07	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190673	09/26/19 18:30	R1K	TAL PHX

Client Sample ID: AVB 122-03-20190917 — Lab Sample ID: 550-130039-11

Date Collected: 09/17/19 13:40 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 03:35	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190673	09/26/19 18:58	R1K	TAL PHX

Client Sample ID: AVB 136-01-20190917 — Lab Sample ID: 550-130039-12

Date Collected: 09/17/19 14:15 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 04:03	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190673	09/26/19 19:25	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 127-01-20190917
Lab Sample ID: 550-130039-13
Date Collected: 09/17/19 15:00
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 04:31	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190673	09/26/19 19:54	R1K	TAL PHX

Client Sample ID: AVB 126-03-20190917
Lab Sample ID: 550-130039-14
Date Collected: 09/17/19 15:30
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 04:59	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190673	09/26/19 20:21	R1K	TAL PHX

Client Sample ID: AVB 126-02-20190917
Lab Sample ID: 550-130039-15
Date Collected: 09/17/19 15:40
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 05:27	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 00:53	R1K	TAL PHX
Total/NA	Analysis	8260B	DL	2	191042	09/30/19 20:45	TC1	TAL PHX

Client Sample ID: AVB 126-01-20190917
Lab Sample ID: 550-130039-16
Date Collected: 09/17/19 15:50
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 05:55	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 01:21	R1K	TAL PHX

Client Sample ID: DUP-02-20190917
Lab Sample ID: 550-130039-17
Date Collected: 09/17/19 16:00
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 06:23	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 01:50	R1K	TAL PHX

Client Sample ID: PDB Blank-20190917
Lab Sample ID: 550-130039-18
Date Collected: 09/17/19 16:15
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 06:51	TC1	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 02:18	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 78-01-20190918 — Lab Sample ID: 550-130039-19

Date Collected: 09/18/19 06:45 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190260	09/22/19 07:19	TC1	TAL PHX

Client Sample ID: AVB 78-02-20190918 — Lab Sample ID: 550-130039-20

Date Collected: 09/18/19 07:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 12:53	R1K	TAL PHX

Client Sample ID: AVB 78-03-20190918 — Lab Sample ID: 550-130039-21

Date Collected: 09/18/19 07:15 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 13:21	R1K	TAL PHX

Client Sample ID: AVB 139-01-20190919 — Lab Sample ID: 550-130039-22

Date Collected: 09/19/19 07:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 13:49	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 02:46	R1K	TAL PHX

Client Sample ID: AVB 135-01-20190919 — Lab Sample ID: 550-130039-23

Date Collected: 09/19/19 07:45 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 14:17	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 03:14	R1K	TAL PHX

Client Sample ID: AVB 120-02-20190919 — Lab Sample ID: 550-130039-24

Date Collected: 09/19/19 08:40 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 14:45	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 03:42	R1K	TAL PHX

Client Sample ID: AVB 120-01-20190919 — Lab Sample ID: 550-130039-25

Date Collected: 09/19/19 09:00 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 15:13	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 121-02-20190919
Lab Sample ID: 550-130039-26
Date Collected: 09/19/19 09:30
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 15:41	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 04:10	R1K	TAL PHX

Client Sample ID: AVB 132-02-20190919
Lab Sample ID: 550-130039-27
Date Collected: 09/19/19 10:15
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 16:09	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 04:38	R1K	TAL PHX

Client Sample ID: AVB 115-01-20190919
Lab Sample ID: 550-130039-28
Date Collected: 09/19/19 10:45
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 16:36	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 05:06	R1K	TAL PHX

Client Sample ID: AVB 124-02-20190919
Lab Sample ID: 550-130039-29
Date Collected: 09/19/19 11:15
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 17:04	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 05:35	R1K	TAL PHX

Client Sample ID: AVB 133-01-20190919
Lab Sample ID: 550-130039-30
Date Collected: 09/19/19 11:50
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 17:31	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 06:03	R1K	TAL PHX

Client Sample ID: DUP-03-20190919
Lab Sample ID: 550-130039-31
Date Collected: 09/19/19 12:00
Matrix: Water
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 17:59	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 06:31	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Client Sample ID: AVB 83-01-20190919 — Lab Sample ID: 550-130039-32

Date Collected: 09/19/19 12:40 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 18:27	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 06:58	R1K	TAL PHX

Client Sample ID: AVB 69-01-20190919 — Lab Sample ID: 550-130039-33

Date Collected: 09/19/19 12:20 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 18:55	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 07:27	R1K	TAL PHX
Total/NA	Analysis	8260B	DL	2	191042	09/30/19 21:13	TC1	TAL PHX

Client Sample ID: AVB 68-03-20190919 — Lab Sample ID: 550-130039-34

Date Collected: 09/19/19 13:30 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190957	09/30/19 13:09	TC1	TAL PHX

Client Sample ID: AVB 68-01-20190919 — Lab Sample ID: 550-130039-35

Date Collected: 09/19/19 13:45 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 19:23	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 07:55	R1K	TAL PHX

Client Sample ID: AVB 131-01-20190919 — Lab Sample ID: 550-130039-36

Date Collected: 09/19/19 14:25 — **Matrix: Water**
Date Received: 09/20/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	190280	09/23/19 19:51	R1K	TAL PHX
Total/NA	Analysis	8260B		1	190775	09/27/19 08:23	R1K	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130039-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
5030C	Purge and Trap	SW846	TAL PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

130039

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Lee Ashlock JT	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.6
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~6 of 20~~ 1 of 4
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.[illegible]@calibresys.com roy.ashlock@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

550-130039 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Trip Blank	9/27/19	0800	grab	Water			1		-01
AVB 141-01-20190917		0930	grab	Water			3		-02
AVB 129-02-20190917		1015	grab	Water			3		-03
AVB 129-01-20190917		1030	grab	Water			3		-04
AVB 91-03-20190917		1100	grab	Water			3		-05
AVB 91-02-20190917		1110	grab	Water			3		-06
AVB 98-01-20190917		1130	grab	Water			3		-07
AVB 71-01-20190917		1200	grab	Water			3		-08
AVB 81-01-20190917		1215	grab	Water			3		-09
AVB 137-01-20190917		1300	grab	Water			3		-10
AVB 122-03-20190917		1340	grab	Water			3		-11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 9/20/19 1015	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9/20/19 1015	Company TAPHX

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2

CDO

Ver: 01/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

130039

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Lee Ashbick IV	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.7
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: ~~Page 7 of 20~~ Page 2 of 4
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): Standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Nesto@calibresys.com roy.ashbick@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AUG 136-01-20190917	9/27/19	1415	grab	Water			3		-12
AUG 137-01-20190917		1500	grab	Water			3		-13
AUG 136-03-20190917		1530	grab	Water			3		-14
AUG 136-02-20190917		1540	grab	Water			3		-15
AUG 136-01-20190917		1550	grab	Water			3		-16
DUP-02-20190917		1600	grab	Water			3		-17
POB Blank-20190917		1615	grab	Water			3		-18
AUG 78-01-20190918	9/28/19	0645	grab	Water			3		-19
AUG 78-02-20190918		0700	grab	Water			3		-20
AUG 78-03-20190918		0715	grab	Water			3		-21
AUG 139-01-20190919	9/29/19	0700	grab	Water			3		-22

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Lee	9/20/19 1015				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9/20/19 1015	Company: TAPHX

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks: 1.2 CDO

Ver: 01/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

130039

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Lee Ashlock Jr	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.8
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~8 of 20~~ 3 of 4
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.hasted@calibresys.com roy.ashlock@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - Di Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AUB 135-01-20190919	9/19/19	0745	grab	Water			3		-23
AUB 120-02-20190919		0840	grab	Water			3		-24
AUB 120-01-20190919		0940	grab	Water			3		-25
AUB 121-02-20190919		0930	grab	Water			3		-26
AUB 132-02-20190919		1015	grab	Water			3		-27
AUB 115-01-20190919		1045	grab	Water			3		-28
AUB 124-02-20190919		1115	grab	Water			3		-29
AUB 133-01-20190919		1150	grab	Water			3		-30
DUP-03-20190919		1200	grab	Water			3		-31
AUB 03-01-20190919		1240	grab	Water			3		-32
AUB 69-01-20190919		1320	grab	Water			3		-33

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Lee	9/20/19 1015				
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time: 9/20/19 1015	Company: TAPHX

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks: 1.2
CDO

Ver: 01/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

130039

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Lee Ashbick Jr	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.14
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~14 of 20~~ 4 of 4
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Hester@calibresys.com roy.ashbick@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AVB 68-03 - 20190919	9/19/19	1330	grab	Water			3		-34
AVB 68-01 - 20190919		1345	grab	Water			3		-35
AVB 131-01 - 20190919		1425	grab	Water			3		-36
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Lee	9/20/19 1013				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9/20/19 1013	Company TAPHX

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks: 1.2

CDO

Ver: 01/16/2019

10/9/2019 (Rev. 1)

Eurofins TestAmerica, Phoenix
[illegible]25 East Cotton Ctr Blvd Suite 189
[illegible]nix, AZ 85040
[illegible]ne: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

Revised 550-130039

eurofins

Client Information	Sampler: Roy Lee Ashlock JT	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.6
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~6 of 28~~ 1 of 4
Company: Calibre Systems, Inc				Job #
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.[illegible]@calibresys.com roy.ashlock@calibresys.com	WO #			
Project Name: West Van Buren	Project #: 55013171			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Trip Blank (TW)	9/19/19	0800	grab	Water			1		
AvB 141-01-20190917		0930	grab	Water			3		
AvB 129-02-20190917		1015	grab	Water			3		
AvB 129-01-20190917		1030	grab	Water			3		
AvB 91-03-20190917		1100	grab	Water			3		
AvB 91-02-20190917		1110	grab	Water			3		
AvB 98-01-20190917		1130	grab	Water			3		
AvB 71-01-20190917		1200	grab	Water			3		
AvB 81-01-20190917		1215	grab	Water			3		
AvB 137-01-20190917		1300	grab	Water			3		
AvB 122-03-20190917		1340	grab	Water			3		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 9/20/19 1015	Company	Received by: [signature]	Date/Time	Company
Relinquished by: [signature]	Date/Time:	Company	Received by: [signature]	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 9/20/19 1015	Company: TAPHX

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2

-130

Ver: 01/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

eurofins

Client Information					
Client Contact: Mr. Tom McKeon	Sampler: Roy Lee Ashbrook Jr	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.7	
Company: Calibre Systems, Inc	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: ~~Page 7 of 20~~ Page 2 OF 4	
Address: 16935 South East 39th Street	Due Date Requested:			Job #	
City: Bellevue	TAT Requested (days): Standard 7 days				
State, Zip: WA, 98008					
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required				
Email: tom.mckeon@calibresys.com Justin.Nesto@calibresys.com roy.ashbrook@calibresys.com	WO #				
Project Name: West Van Buren	Project #: 55013171				
Site	SSOW#:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AUG 136-01-20190917	9/17/19	1415	grab	Water			3		
AUG 137-01-20190917		1500	grab	Water			3		
AUG 136-03-20190917		1530	grab	Water			3		
AUG 136-02-20190917		1540	grab	Water			3		
AUG 136-01-20190917		1550	grab	Water			3		
DUP-02-20190917		1600	grab	Water			3		
POG Blank-20190917		1615	grab	Water			3		
AUG 78-01-20190918	9/18/19	0645	grab	Water			3		
AUG 78-02-20190918		0700	grab	Water			3		
AUG 78-03-20190918		0715	grab	Water			3		
AUG 139-01-20190919	9/19/19	0700	grab	Water			3		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: RLA	Date/Time: 9/20/19 1015	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 9/20/19 1015	Company: TAPHX

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2

Ver. 01/16/2019

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4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

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Chain of Custody Record

Client Information	Sampler: Roy Lee Ashlock JR	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.8
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~8 of 26~~ 3 of 4
Company: Calibre Systems, Inc				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Nast@calibresys.com roy.ashlock@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AUB 135-01-20190919	9/19/19	0745	grab	Water			3		
AUB 120-02-20190919		0840	grab	Water			3		
AUB 120-01-20190919		0940	grab	Water			3		
AUB 121-02-20190919		0930	grab	Water			3		
AUB 122-02-20190919		1015	grab	Water			3		
AUB 115-01-20190919		1045	grab	Water			3		
AUB 124-02-20190919		1115	grab	Water			3		
AUB 123-01-20190919		1150	grab	Water			3		
DUP-03-20190919		1200	grab	Water			3		
AUB 03-01-20190919		1240	grab	Water			3		
AUB 69-01-20190919		1320	grab	Water			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: Roy Lee	Date/Time: 9/20/19 1015	Company	Received by:	Date/Time	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9/20/19 1015	Company: TAPHX	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks: 1.2

1.DO

Ver: 01/16/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

eurofins

Chain of Custody Record

Client Information	Sampler: Roy Lee Ashbick Jr	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.14
Client Contact: Mr. Tom McKeon	Phone:	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~14 of 20~~ 4 of 4
Company: Calibre Systems, Inc.				Job #
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 days			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Nesten@calibresys.com roy.ashbick@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Field Filtered Sample (Yes or No); Perform MS/MSD (Yes or No); 8260_AZ - 8260 Standard list; Total Number of containers

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AvB 68-03 - 20190919	9/19/19	1330	grab	Water			3		
AvB 68-01 - 20190919		1345	grab	Water			3		
AvB 131-01 - 20190919		1425	grab	Water			3		
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: Roy Lee	Date/Time: 9/20/19 1019	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9/20/19 1015	Company: TAPHX	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.2			

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Calibre Systems, Inc.

Job Number: 550-130039-1

Login Number: 130039
List Number: 1
Creator: Gravlin, Andrea

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

ADEQ QAPP 2017) Partial Data Validation Checklist (from Table D1 of QAPP)
http://static.azdeq.gov/wqarf/qaprp.pdf

West Van Buren Data Package J130720-1, Report Dated 10/22/2019 8 groundwater samples analyzed for volatile organic compounds by EPA Method 8260B
Reviewed by Betty Van Pelt, Matrix Engineering Services, LLC. 11/19/2019

Criteria	Notes	Result
Holding times	Check Case Narrative	Samples collected on 9/30 to 10/2, delivered to lab on 10/3, therefore met holding times. Trip Blank re-analyzed with headspace in vial. Results N1 qualified as stated in case narrative.
Calibration	Check Case Narrative, review calibration data	Calibration criteria met.
Blanks	Check Case Narrative, review blanks data	**Sample** **Analyte** **Results** Trip Blank Methylene chloride 0.97 E4 N1 µg/L PDB Blank-20190917 Acetone 82 ug/L MB 550-191574 1,2,3-trichlorobenzene 0.880 E4 µg/L Methylene chloride and acetone detections B4 qualified. 1,2,3-Trichlorobenzene not detected in associated samples. Methylene chloride and acetone are common lab contaminants. Acetone is often detected in source water blanks for passive diffusion bags (PDBs). All detections of Acetone are B4 qualified. Based on the concentration in the PDB source blank; acetone is considered not detected.
Surrogate recovery	Check Case Narrative, review surrogate data	Surrogates recovered outside project specific limits in the matrix spike (MS) for batch 550-191679.
Matrix spike and matrix spike duplicate recovery	Check Case Narrative, review MS/MSDs	Matrix spike (MS) and matrix spike duplicate (MSD) for batch 550-191679 recovered outside control limits.
Laboratory control sample or blank spike	Check Case Narrative, review LCS and or	The laboratory control sample (LCS), laboratory control sample duplicate (LCSD) for batch 550-191574, 550-191679 had several recoveries outside control limits high or RPD limits outside. There were no detections in the associated samples.

	blank spikes	
Internal standard performance	Check Case Narrative	No internal standards were associated with this batch.
Field duplicate sample analysis	Calculate relative percent difference for all field dupes	Not in this SDG.
Temperature	Check Case Narrative	Samples received at 1.2 degrees C, below the criteria of 4 degrees C.
Overall assessment of data for an SDG	Any reason to reject data or perform full validation?	The data are acceptable for site characterization purposes.

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ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-130720-1
Client Project/Site: West Van Buren
Revision: 1

For:
Calibre Systems, Inc.
16935 South East 39th Street
Bellevue, Washington 98008

Attn: Mr. Tom McKeon

Authorized for release by:
10/22/2019 8:13:57 AM

Mary Charlson, Project Manager I
(602)437-3340
mary.charlson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 8
Surrogate Summary 23
QC Sample Results 24
QC Association Summary 50
Lab Chronicle 51
Certification Summary 53
Method Summary 54
Chain of Custody 55
Receipt Checklists 56

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
L5	The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
N1	See case narrative.
R13	MS/MSD RPD exceeded the method acceptance limit. Matrix spike recovery was outside acceptance criteria. Batch precision and accuracy were demonstrated.
R4	MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
S7	Surrogate recovery was below laboratory acceptance limits and method acceptance limits. Unable to confirm matrix effect.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 550-130720-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-130720-1

Revision
This report was revised on 10/22/19 to make a correction to the sample IDs. This final report replaces the report generated on 10/21/19 at 3:58 pm.

Comments
No additional comments.

Receipt
The samples were received on 10/3/2019 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method(s) 8260B: The following sample was re-analyzed with headspace in the sample vial: Trip Blank (550-130720-1). The results will be reported with a N1 qualifier, see analytical batch 550-191574.

Method(s) 8260B: Surrogates recovered outside project specific limits in the matrix spike (MS) for batch 550-191679. All other recoveries in the batch QC and samples were within acceptance limits. The data is not impacted, therefore will be reported: (550-130845-B-1 MS).

Method(s) 8260B: The RPD of the laboratory control sample (LCS), laboratory control sample duplicate (LCSD), matrix spike (MS) and matrix spike duplicate (MSD) for batch 550-191679 outside control limits high for the multiple analytes. There were no hits in the associated samples. The LCS/LCSD, MS/MSD and samples have been flagged with an N1 qualifier. (LCSD 550-191679/4) and (550-130845-C-1 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-130720-1	Trip Blank	Water	09/30/19 06:00	10/03/19 09:30	
550-130720-2	AVB 106-02-20190930	Water	09/30/19 07:18	10/03/19 09:30	
550-130720-3	AVB 106-03-20190930	Water	09/30/19 07:20	10/03/19 09:30	
550-130720-4	AVB 68-02-20190930	Water	09/30/19 09:37	10/03/19 09:30	
550-130720-5	AVB 93-01-20190930	Water	09/30/19 14:37	10/03/19 09:30	
550-130720-6	AVB 82-01-20191001	Water	10/01/19 09:40	10/03/19 09:30	
550-130720-7	AVB 82-02-20191001	Water	10/01/19 10:00	10/03/19 09:30	
550-130720-8	AZZ0-05-20191001	Water	10/01/19 10:45	10/03/19 09:30	
550-130720-9	AVB 101-04-20191002	Water	10/02/19 09:30	10/03/19 09:30	

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-130720-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.97	E4 N1	5.0	0.67	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 106-02-20190930 — Lab Sample ID: 550-130720-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.93	E4	5.0	0.67	ug/L	1		8260B	Total/NA
Trichloroethene	1.5	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 106-03-20190930 — Lab Sample ID: 550-130720-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.42	E4	5.0	0.21	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 68-02-20190930 — Lab Sample ID: 550-130720-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.47	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.55	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Acetone	71		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	2.5		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.27	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.43	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.1		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 93-01-20190930 — Lab Sample ID: 550-130720-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	72		20	7.3	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.6		2.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 82-01-20191001 — Lab Sample ID: 550-130720-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	51		20	7.3	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.0	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.59	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB 82-02-20191001 — Lab Sample ID: 550-130720-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.1	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Acetone	40		20	7.3	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.2	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	6.7		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AZZ0-05-20191001 — Lab Sample ID: 550-130720-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.41	E4	5.0	0.21	ug/L	1		8260B	Total/NA
Methylene Chloride	0.80	E4	5.0	0.67	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 101-04-20191002 — Lab Sample ID: 550-130720-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1	E4	2.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.4	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	4.5		2.0	0.13	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	6.0		2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.3		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	45		2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: Trip Blank

Lab Sample ID: 550-130720-1

Date Collected: 09/30/19 06:00
Date Received: 10/03/19 09:30

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8 N1	5.0	0.35	ug/L			10/07/19 20:09	1
1,1,1-Trichloroethane	ND	E8 N1	2.0	0.15	ug/L			10/07/19 20:09	1
1,1,2,2-Tetrachloroethane	ND	E8 N1	2.0	0.33	ug/L			10/07/19 20:09	1
1,1,2-Trichloroethane	ND	E8 N1	2.0	0.31	ug/L			10/07/19 20:09	1
1,1-Dichloroethane	ND	E8 L5 N1	2.0	0.14	ug/L			10/07/19 20:09	1
1,1-Dichloroethene	ND	E8 L5 N1	5.0	0.23	ug/L			10/07/19 20:09	1
1,1-Dichloropropene	ND	E8 N1	2.0	0.20	ug/L			10/07/19 20:09	1
1,2,3-Trichlorobenzene	ND	E8 L5 N1	5.0	0.45	ug/L			10/07/19 20:09	1
1,2,3-Trichloropropane	ND	E8 N1	10	0.78	ug/L			10/07/19 20:09	1
1,2,4-Trichlorobenzene	ND	E8 N1	5.0	0.32	ug/L			10/07/19 20:09	1
1,2,4-Trimethylbenzene	ND	E8 N1	2.0	0.25	ug/L			10/07/19 20:09	1
1,2-Dibromo-3-Chloropropane	ND	E8 N1	5.0	0.82	ug/L			10/07/19 20:09	1
1,2-Dibromoethane (EDB)	ND	E8 N1	2.0	0.30	ug/L			10/07/19 20:09	1
1,2-Dichlorobenzene	ND	E8 N1	2.0	0.22	ug/L			10/07/19 20:09	1
1,2-Dichloroethane	ND	E8 N1	2.0	0.31	ug/L			10/07/19 20:09	1
1,2-Dichloropropane	ND	E8 N1	2.0	0.23	ug/L			10/07/19 20:09	1
1,3,5-Trimethylbenzene	ND	E8 N1	2.0	0.21	ug/L			10/07/19 20:09	1
1,3-Dichlorobenzene	ND	E8 N1	2.0	0.14	ug/L			10/07/19 20:09	1
1,3-Dichloropropane	ND	E8 N1	2.0	0.23	ug/L			10/07/19 20:09	1
1,4-Dichlorobenzene	ND	E8 N1	2.0	0.17	ug/L			10/07/19 20:09	1
2,2-Dichloropropane	ND	E8 N1	2.0	0.18	ug/L			10/07/19 20:09	1
2-Butanone (MEK)	ND	E8 N1	10	2.2	ug/L			10/07/19 20:09	1
2-Chlorotoluene	ND	E8 N1	5.0	0.17	ug/L			10/07/19 20:09	1
2-Hexanone	ND	E8 N1	10	1.5	ug/L			10/07/19 20:09	1
4-Chlorotoluene	ND	E8 N1	5.0	0.20	ug/L			10/07/19 20:09	1
4-Methyl-2-pentanone (MIBK)	ND	E8 N1	10	1.3	ug/L			10/07/19 20:09	1
Acetone	ND	E8 N1	20	7.3	ug/L			10/07/19 20:09	1
Benzene	ND	E8 N1	2.0	0.12	ug/L			10/07/19 20:09	1
Bromobenzene	ND	E8 N1	5.0	0.14	ug/L			10/07/19 20:09	1
Bromochloromethane	ND	E8 N1	5.0	0.27	ug/L			10/07/19 20:09	1
Bromodichloromethane	ND	E8 N1	2.0	0.23	ug/L			10/07/19 20:09	1
Bromoform	ND	E8 N1	5.0	0.37	ug/L			10/07/19 20:09	1
Bromomethane	ND	E8 N1	5.0	0.67	ug/L			10/07/19 20:09	1
Carbon disulfide	ND	E8 L5 N1	5.0	0.86	ug/L			10/07/19 20:09	1
Carbon tetrachloride	ND	E8 N1	5.0	0.15	ug/L			10/07/19 20:09	1
Chlorobenzene	ND	E8 N1	2.0	0.17	ug/L			10/07/19 20:09	1
Chloroethane	ND	E8 N1	5.0	0.25	ug/L			10/07/19 20:09	1
Chloroform	ND	E8 N1	2.0	0.13	ug/L			10/07/19 20:09	1
Chloromethane	ND	E8 N1	5.0	0.21	ug/L			10/07/19 20:09	1
cis-1,2-Dichloroethene	ND	E8 N1	2.0	0.21	ug/L			10/07/19 20:09	1
cis-1,3-Dichloropropene	ND	E8 N1	2.0	0.14	ug/L			10/07/19 20:09	1
Chlorodibromomethane	ND	E8 N1	2.0	0.22	ug/L			10/07/19 20:09	1
Dibromomethane	ND	E8 N1	2.0	0.26	ug/L			10/07/19 20:09	1
Dichlorodifluoromethane	ND	E8 N1	5.0	0.15	ug/L			10/07/19 20:09	1
Ethylbenzene	ND	E8 N1	2.0	0.32	ug/L			10/07/19 20:09	1
Hexachlorobutadiene	ND	E8 N1	5.0	0.28	ug/L			10/07/19 20:09	1
Iodomethane	ND	E8 N1	2.0	0.21	ug/L			10/07/19 20:09	1
Isopropylbenzene	ND	E8 N1	2.0	0.26	ug/L			10/07/19 20:09	1
m,p-Xylenes	ND	E8 N1	5.0	0.44	ug/L			10/07/19 20:09	1

Client Sample ID: Trip Blank

Lab Sample ID: 550-130720-1

Date Collected: 09/30/19 06:00
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.97**	**E4 N1**	5.0	0.67	ug/L			10/07/19 20:09	1
Methyl tert-butyl ether	ND	E8 L5 N1	1.0	0.22	ug/L			10/07/19 20:09	1
Naphthalene	ND	E8 N1	5.0	0.51	ug/L			10/07/19 20:09	1
n-Butylbenzene	ND	E8 N1	5.0	0.21	ug/L			10/07/19 20:09	1
n-Propylbenzene	ND	E8 N1	2.0	0.21	ug/L			10/07/19 20:09	1
o-Xylene	ND	E8 N1	5.0	0.42	ug/L			10/07/19 20:09	1
p-Isopropyltoluene	ND	E8 N1	2.0	0.21	ug/L			10/07/19 20:09	1
sec-Butylbenzene	ND	E8 N1	5.0	0.23	ug/L			10/07/19 20:09	1
Styrene	ND	E8 N1	2.0	0.17	ug/L			10/07/19 20:09	1
tert-Butylbenzene	ND	E8 N1	5.0	0.25	ug/L			10/07/19 20:09	1
Tetrachloroethene	ND	E8 N1	2.0	0.18	ug/L			10/07/19 20:09	1
Toluene	ND	E8 N1	2.0	0.28	ug/L			10/07/19 20:09	1
trans-1,2-Dichloroethene	ND	E8 L5 N1	2.0	0.29	ug/L			10/07/19 20:09	1
trans-1,3-Dichloropropene	ND	E8 N1	2.0	0.47	ug/L			10/07/19 20:09	1
Trichloroethene	ND	E8 N1	2.0	0.24	ug/L			10/07/19 20:09	1
Trichlorofluoromethane	ND	E8 L5 N1	5.0	0.15	ug/L			10/07/19 20:09	1
Vinyl acetate	ND	E8 N1	25	0.81	ug/L			10/07/19 20:09	1
Vinyl chloride	ND	E8 L5 N1	5.0	0.18	ug/L			10/07/19 20:09	1
Xylenes, Total	ND	E8 N1	10	0.86	ug/L			10/07/19 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*10/07/19 20:09*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/07/19 20:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*10/07/19 20:09*	*1*

Client Sample ID: AVB 106-02-20190930

Lab Sample ID: 550-130720-2

Date Collected: 09/30/19 07:18
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/07/19 20:37	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/07/19 20:37	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/07/19 20:37	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 20:37	1
1,1-Dichloroethane	ND	E8 L5	2.0	0.14	ug/L			10/07/19 20:37	1
1,1-Dichloroethene	ND	E8 L5	5.0	0.23	ug/L			10/07/19 20:37	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/07/19 20:37	1
1,2,3-Trichlorobenzene	ND	E8 L5	5.0	0.45	ug/L			10/07/19 20:37	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/07/19 20:37	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/07/19 20:37	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/07/19 20:37	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/07/19 20:37	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/07/19 20:37	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/07/19 20:37	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 20:37	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 20:37	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 20:37	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/07/19 20:37	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 20:37	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 106-02-20190930

Lab Sample ID: 550-130720-2

Date Collected: 09/30/19 07:18

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 20:37	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/07/19 20:37	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/07/19 20:37	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/07/19 20:37	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/07/19 20:37	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/07/19 20:37	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/07/19 20:37	1
Acetone	ND	E8	20	7.3	ug/L			10/07/19 20:37	1
Benzene	ND	E8	2.0	0.12	ug/L			10/07/19 20:37	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/07/19 20:37	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/07/19 20:37	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/07/19 20:37	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/07/19 20:37	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/07/19 20:37	1
Carbon disulfide	ND	E8 L5	5.0	0.86	ug/L			10/07/19 20:37	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/07/19 20:37	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 20:37	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/07/19 20:37	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/07/19 20:37	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/07/19 20:37	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/07/19 20:37	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/07/19 20:37	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/07/19 20:37	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/07/19 20:37	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/07/19 20:37	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/07/19 20:37	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/07/19 20:37	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/07/19 20:37	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/07/19 20:37	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/07/19 20:37	1
Methylene Chloride	**0.93**	**E4**	5.0	0.67	ug/L			10/07/19 20:37	1
Methyl tert-butyl ether	ND	E8 L5	1.0	0.22	ug/L			10/07/19 20:37	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/07/19 20:37	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/07/19 20:37	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 20:37	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/07/19 20:37	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/07/19 20:37	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/07/19 20:37	1
Styrene	ND	E8	2.0	0.17	ug/L			10/07/19 20:37	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/07/19 20:37	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/07/19 20:37	1
Toluene	ND	E8	2.0	0.28	ug/L			10/07/19 20:37	1
trans-1,2-Dichloroethene	ND	E8 L5	2.0	0.29	ug/L			10/07/19 20:37	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/07/19 20:37	1
Trichloroethene	**1.5**	**E4**	2.0	0.24	ug/L			10/07/19 20:37	1
Trichlorofluoromethane	ND	E8 L5	5.0	0.15	ug/L			10/07/19 20:37	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/07/19 20:37	1
Vinyl chloride	ND	E8 L5	5.0	0.18	ug/L			10/07/19 20:37	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/07/19 20:37	1

Client Sample ID: AVB 106-02-20190930

Lab Sample ID: 550-130720-2

Date Collected: 09/30/19 07:18

Matrix: Water

Date Received: 10/03/19 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/07/19 20:37*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*10/07/19 20:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/07/19 20:37*	*1*

Client Sample ID: AVB 106-03-20190930

Lab Sample ID: 550-130720-3

Date Collected: 09/30/19 07:20

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/07/19 21:05	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/07/19 21:05	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/07/19 21:05	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 21:05	1
1,1-Dichloroethane	ND	E8 L5	2.0	0.14	ug/L			10/07/19 21:05	1
1,1-Dichloroethene	ND	E8 L5	5.0	0.23	ug/L			10/07/19 21:05	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/07/19 21:05	1
1,2,3-Trichlorobenzene	ND	E8 L5	5.0	0.45	ug/L			10/07/19 21:05	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/07/19 21:05	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/07/19 21:05	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/07/19 21:05	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/07/19 21:05	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/07/19 21:05	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/07/19 21:05	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 21:05	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 21:05	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 21:05	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/07/19 21:05	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 21:05	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 21:05	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/07/19 21:05	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/07/19 21:05	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/07/19 21:05	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/07/19 21:05	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/07/19 21:05	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/07/19 21:05	1
Acetone	ND	E8	20	7.3	ug/L			10/07/19 21:05	1
Benzene	ND	E8	2.0	0.12	ug/L			10/07/19 21:05	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/07/19 21:05	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/07/19 21:05	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/07/19 21:05	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/07/19 21:05	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/07/19 21:05	1
Carbon disulfide	ND	E8 L5	5.0	0.86	ug/L			10/07/19 21:05	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/07/19 21:05	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 21:05	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/07/19 21:05	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/07/19 21:05	1
Chloromethane	**0.42**	**E4**	5.0	0.21	ug/L			10/07/19 21:05	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/07/19 21:05	1

Client Sample ID: AVB 106-03-20190930

Lab Sample ID: 550-130720-3

Date Collected: 09/30/19 07:20
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/07/19 21:05	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/07/19 21:05	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/07/19 21:05	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/07/19 21:05	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/07/19 21:05	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/07/19 21:05	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/07/19 21:05	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/07/19 21:05	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/07/19 21:05	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/07/19 21:05	1
Methyl tert-butyl ether	ND	E8 L5	1.0	0.22	ug/L			10/07/19 21:05	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/07/19 21:05	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/07/19 21:05	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 21:05	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/07/19 21:05	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/07/19 21:05	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/07/19 21:05	1
Styrene	ND	E8	2.0	0.17	ug/L			10/07/19 21:05	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/07/19 21:05	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/07/19 21:05	1
Toluene	ND	E8	2.0	0.28	ug/L			10/07/19 21:05	1
trans-1,2-Dichloroethene	ND	E8 L5	2.0	0.29	ug/L			10/07/19 21:05	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/07/19 21:05	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/07/19 21:05	1
Trichlorofluoromethane	ND	E8 L5	5.0	0.15	ug/L			10/07/19 21:05	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/07/19 21:05	1
Vinyl chloride	ND	E8 L5	5.0	0.18	ug/L			10/07/19 21:05	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/07/19 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*10/07/19 21:05*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/07/19 21:05*	*1*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*10/07/19 21:05*	*1*

Client Sample ID: AVB 68-02-20190930

Lab Sample ID: 550-130720-4

Date Collected: 09/30/19 09:37
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/08/19 13:54	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/08/19 13:54	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/08/19 13:54	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 13:54	1
1,1-Dichloroethane	**0.47**	**E4**	2.0	0.14	ug/L			10/08/19 13:54	1
1,1-Dichloroethene	**0.55**	**E4**	5.0	0.23	ug/L			10/08/19 13:54	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/08/19 13:54	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/08/19 13:54	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/08/19 13:54	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/08/19 13:54	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 68-02-20190930

Lab Sample ID: 550-130720-4

Date Collected: 09/30/19 09:37
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/08/19 13:54	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/08/19 13:54	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/08/19 13:54	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/08/19 13:54	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 13:54	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 13:54	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 13:54	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/08/19 13:54	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 13:54	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 13:54	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/08/19 13:54	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/08/19 13:54	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/08/19 13:54	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/08/19 13:54	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/08/19 13:54	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/08/19 13:54	1
Acetone	**71**		20	7.3	ug/L			10/08/19 13:54	1
Benzene	ND	E8	2.0	0.12	ug/L			10/08/19 13:54	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/08/19 13:54	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/08/19 13:54	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/08/19 13:54	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/08/19 13:54	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/08/19 13:54	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/08/19 13:54	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/08/19 13:54	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 13:54	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/08/19 13:54	1
Chloroform	**2.5**		2.0	0.13	ug/L			10/08/19 13:54	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/08/19 13:54	1
cis-1,2-Dichloroethene	**0.27**	**E4**	2.0	0.21	ug/L			10/08/19 13:54	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/08/19 13:54	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/08/19 13:54	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/08/19 13:54	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 13:54	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/08/19 13:54	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/08/19 13:54	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/08/19 13:54	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/08/19 13:54	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/08/19 13:54	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/08/19 13:54	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/08/19 13:54	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/08/19 13:54	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/08/19 13:54	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 13:54	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/08/19 13:54	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/08/19 13:54	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/08/19 13:54	1
Styrene	ND	E8	2.0	0.17	ug/L			10/08/19 13:54	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/08/19 13:54	1

Client Sample ID: AVB 68-02-20190930

Lab Sample ID: 550-130720-4

Date Collected: 09/30/19 09:37
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.43**	**E4**	2.0	0.18	ug/L			10/08/19 13:54	1
Toluene	ND	E8	2.0	0.28	ug/L			10/08/19 13:54	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/08/19 13:54	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/08/19 13:54	1
Trichloroethene	**2.1**		2.0	0.24	ug/L			10/09/19 17:42	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 13:54	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/08/19 13:54	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/08/19 13:54	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/08/19 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*70 - 130*		*10/08/19 13:54*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*10/09/19 17:42*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/08/19 13:54*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/09/19 17:42*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*10/08/19 13:54*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*10/09/19 17:42*	*1*

Client Sample ID: AVB 93-01-20190930

Lab Sample ID: 550-130720-5

Date Collected: 09/30/19 14:37
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/08/19 14:22	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/08/19 14:22	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/08/19 14:22	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 14:22	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/08/19 14:22	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/08/19 14:22	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/08/19 14:22	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/08/19 14:22	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/08/19 14:22	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/08/19 14:22	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/08/19 14:22	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/08/19 14:22	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/08/19 14:22	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/08/19 14:22	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 14:22	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 14:22	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 14:22	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/08/19 14:22	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 14:22	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 14:22	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/08/19 14:22	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/08/19 14:22	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/08/19 14:22	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/08/19 14:22	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/08/19 14:22	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/08/19 14:22	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 93-01-20190930

Lab Sample ID: 550-130720-5

Date Collected: 09/30/19 14:37
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**72**		20	7.3	ug/L			10/08/19 14:22	1
Benzene	ND	E8	2.0	0.12	ug/L			10/08/19 14:22	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/08/19 14:22	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/08/19 14:22	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/08/19 14:22	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/08/19 14:22	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/08/19 14:22	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/08/19 14:22	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/08/19 14:22	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 14:22	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/08/19 14:22	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/08/19 14:22	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/08/19 14:22	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/08/19 14:22	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/08/19 14:22	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/08/19 14:22	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/08/19 14:22	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 14:22	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/08/19 14:22	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/08/19 14:22	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/08/19 14:22	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/08/19 14:22	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/08/19 14:22	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/08/19 14:22	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/08/19 14:22	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/08/19 14:22	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/08/19 14:22	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 14:22	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/08/19 14:22	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/08/19 14:22	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/08/19 14:22	1
Styrene	ND	E8	2.0	0.17	ug/L			10/08/19 14:22	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/08/19 14:22	1
Tetrachloroethene	**5.6**		2.0	0.18	ug/L			10/08/19 14:22	1
Toluene	ND	E8	2.0	0.28	ug/L			10/08/19 14:22	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/08/19 14:22	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/08/19 14:22	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/08/19 14:22	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 14:22	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/08/19 14:22	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/08/19 14:22	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/08/19 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/08/19 14:22*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/08/19 14:22*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*10/08/19 14:22*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 82-01-20191001

Lab Sample ID: 550-130720-6

Date Collected: 10/01/19 09:40
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/08/19 14:50	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/08/19 14:50	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/08/19 14:50	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 14:50	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/08/19 14:50	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/08/19 14:50	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/08/19 14:50	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/08/19 14:50	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/08/19 14:50	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/08/19 14:50	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/08/19 14:50	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/08/19 14:50	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/08/19 14:50	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/08/19 14:50	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 14:50	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 14:50	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 14:50	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/08/19 14:50	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 14:50	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 14:50	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/08/19 14:50	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/08/19 14:50	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/08/19 14:50	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/08/19 14:50	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/08/19 14:50	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/08/19 14:50	1
Acetone	**51**		20	7.3	ug/L			10/08/19 14:50	1
Benzene	ND	E8	2.0	0.12	ug/L			10/08/19 14:50	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/08/19 14:50	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/08/19 14:50	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/08/19 14:50	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/08/19 14:50	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/08/19 14:50	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/08/19 14:50	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/08/19 14:50	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 14:50	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/08/19 14:50	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/08/19 14:50	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/08/19 14:50	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/08/19 14:50	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/08/19 14:50	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/08/19 14:50	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/08/19 14:50	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 14:50	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/08/19 14:50	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/08/19 14:50	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/08/19 14:50	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/08/19 14:50	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/08/19 14:50	1

Client Sample ID: AVB 82-01-20191001

Lab Sample ID: 550-130720-6

Date Collected: 10/01/19 09:40

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/08/19 14:50	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/08/19 14:50	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/08/19 14:50	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/08/19 14:50	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 14:50	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/08/19 14:50	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/08/19 14:50	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/08/19 14:50	1
Styrene	ND	E8	2.0	0.17	ug/L			10/08/19 14:50	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/08/19 14:50	1
Tetrachloroethene	**1.0**	**E4**	2.0	0.18	ug/L			10/08/19 14:50	1
Toluene	ND	E8	2.0	0.28	ug/L			10/08/19 14:50	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/08/19 14:50	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/08/19 14:50	1
Trichloroethene	**0.59**	**E4**	2.0	0.24	ug/L			10/08/19 14:50	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 14:50	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/08/19 14:50	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/08/19 14:50	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/08/19 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*10/08/19 14:50*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*10/08/19 14:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*10/08/19 14:50*	*1*

Client Sample ID: AVB 82-02-20191001

Lab Sample ID: 550-130720-7

Date Collected: 10/01/19 10:00

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/08/19 15:18	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/08/19 15:18	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/08/19 15:18	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 15:18	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/08/19 15:18	1
1,1-Dichloroethene	**2.1**	**E4**	5.0	0.23	ug/L			10/08/19 15:18	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/08/19 15:18	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/08/19 15:18	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/08/19 15:18	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/08/19 15:18	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/08/19 15:18	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/08/19 15:18	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/08/19 15:18	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/08/19 15:18	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 15:18	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 15:18	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 15:18	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/08/19 15:18	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 15:18	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 82-02-20191001

Lab Sample ID: 550-130720-7

Date Collected: 10/01/19 10:00

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 15:18	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/08/19 15:18	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/08/19 15:18	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/08/19 15:18	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/08/19 15:18	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/08/19 15:18	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/08/19 15:18	1
Acetone	**40**		20	7.3	ug/L			10/08/19 15:18	1
Benzene	ND	E8	2.0	0.12	ug/L			10/08/19 15:18	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/08/19 15:18	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/08/19 15:18	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/08/19 15:18	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/08/19 15:18	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/08/19 15:18	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/08/19 15:18	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/08/19 15:18	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 15:18	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/08/19 15:18	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/08/19 15:18	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/08/19 15:18	1
cis-1,2-Dichloroethene	**1.2**	**E4**	2.0	0.21	ug/L			10/08/19 15:18	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/08/19 15:18	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/08/19 15:18	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/08/19 15:18	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 15:18	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/08/19 15:18	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/08/19 15:18	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/08/19 15:18	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/08/19 15:18	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/08/19 15:18	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/08/19 15:18	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/08/19 15:18	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/08/19 15:18	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/08/19 15:18	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 15:18	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/08/19 15:18	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/08/19 15:18	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/08/19 15:18	1
Styrene	ND	E8	2.0	0.17	ug/L			10/08/19 15:18	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/08/19 15:18	1
Tetrachloroethene	**1.2**	**E4**	2.0	0.18	ug/L			10/08/19 15:18	1
Toluene	ND	E8	2.0	0.28	ug/L			10/08/19 15:18	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/08/19 15:18	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/08/19 15:18	1
Trichloroethene	**6.7**		2.0	0.24	ug/L			10/09/19 18:08	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 15:18	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/08/19 15:18	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/08/19 15:18	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/08/19 15:18	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 82-02-20191001

Lab Sample ID: 550-130720-7

Date Collected: 10/01/19 10:00
Matrix: Water
Date Received: 10/03/19 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*10/08/19 15:18*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/09/19 18:08*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/08/19 15:18*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/09/19 18:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/08/19 15:18*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*10/09/19 18:08*	*1*

Client Sample ID: AZZ0-05-20191001

Lab Sample ID: 550-130720-8

Date Collected: 10/01/19 10:45
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/07/19 21:33	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/07/19 21:33	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/07/19 21:33	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 21:33	1
1,1-Dichloroethane	ND	E8 L5	2.0	0.14	ug/L			10/07/19 21:33	1
1,1-Dichloroethene	ND	E8 L5	5.0	0.23	ug/L			10/07/19 21:33	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/07/19 21:33	1
1,2,3-Trichlorobenzene	ND	E8 L5	5.0	0.45	ug/L			10/07/19 21:33	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/07/19 21:33	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/07/19 21:33	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/07/19 21:33	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/07/19 21:33	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/07/19 21:33	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/07/19 21:33	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 21:33	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 21:33	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 21:33	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/07/19 21:33	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 21:33	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 21:33	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/07/19 21:33	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/07/19 21:33	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/07/19 21:33	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/07/19 21:33	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/07/19 21:33	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/07/19 21:33	1
Acetone	ND	E8	20	7.3	ug/L			10/07/19 21:33	1
Benzene	ND	E8	2.0	0.12	ug/L			10/07/19 21:33	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/07/19 21:33	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/07/19 21:33	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/07/19 21:33	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/07/19 21:33	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/07/19 21:33	1
Carbon disulfide	ND	E8 L5	5.0	0.86	ug/L			10/07/19 21:33	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/07/19 21:33	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 21:33	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/07/19 21:33	1

Client Sample ID: AZZ0-05-20191001

Lab Sample ID: 550-130720-8

Date Collected: 10/01/19 10:45

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND	E8	2.0	0.13	ug/L			10/07/19 21:33	1
Chloromethane	**0.41**	**E4**	5.0	0.21	ug/L			10/07/19 21:33	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/07/19 21:33	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/07/19 21:33	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/07/19 21:33	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/07/19 21:33	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/07/19 21:33	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/07/19 21:33	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/07/19 21:33	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/07/19 21:33	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/07/19 21:33	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/07/19 21:33	1
Methylene Chloride	**0.80**	**E4**	5.0	0.67	ug/L			10/07/19 21:33	1
Methyl tert-butyl ether	ND	E8 L5	1.0	0.22	ug/L			10/07/19 21:33	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/07/19 21:33	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/07/19 21:33	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 21:33	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/07/19 21:33	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/07/19 21:33	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/07/19 21:33	1
Styrene	ND	E8	2.0	0.17	ug/L			10/07/19 21:33	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/07/19 21:33	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/07/19 21:33	1
Toluene	ND	E8	2.0	0.28	ug/L			10/07/19 21:33	1
trans-1,2-Dichloroethene	ND	E8 L5	2.0	0.29	ug/L			10/07/19 21:33	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/07/19 21:33	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/07/19 21:33	1
Trichlorofluoromethane	ND	E8 L5	5.0	0.15	ug/L			10/07/19 21:33	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/07/19 21:33	1
Vinyl chloride	ND	E8 L5	5.0	0.18	ug/L			10/07/19 21:33	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/07/19 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/07/19 21:33*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*10/07/19 21:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/07/19 21:33*	*1*

Client Sample ID: AVB 101-04-20191002

Lab Sample ID: 550-130720-9

Date Collected: 10/02/19 09:30

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/08/19 15:46	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/08/19 15:46	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/08/19 15:46	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 15:46	1
1,1-Dichloroethane	**1.1**	**E4**	2.0	0.14	ug/L			10/08/19 15:46	1
1,1-Dichloroethene	**1.4**	**E4**	5.0	0.23	ug/L			10/08/19 15:46	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/08/19 15:46	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 101-04-20191002

Lab Sample ID: 550-130720-9

Date Collected: 10/02/19 09:30
Matrix: Water
Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/08/19 15:46	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/08/19 15:46	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/08/19 15:46	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/08/19 15:46	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/08/19 15:46	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/08/19 15:46	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/08/19 15:46	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 15:46	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 15:46	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 15:46	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/08/19 15:46	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 15:46	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 15:46	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/08/19 15:46	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/08/19 15:46	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/08/19 15:46	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/08/19 15:46	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/08/19 15:46	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/08/19 15:46	1
Acetone	ND	E8	20	7.3	ug/L			10/08/19 15:46	1
Benzene	ND	E8	2.0	0.12	ug/L			10/08/19 15:46	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/08/19 15:46	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/08/19 15:46	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/08/19 15:46	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/08/19 15:46	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/08/19 15:46	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/08/19 15:46	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/08/19 15:46	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 15:46	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/08/19 15:46	1
Chloroform	**4.5**		2.0	0.13	ug/L			10/08/19 15:46	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/08/19 15:46	1
cis-1,2-Dichloroethene	**6.0**		2.0	0.21	ug/L			10/09/19 18:34	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/08/19 15:46	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/08/19 15:46	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/08/19 15:46	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 15:46	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/08/19 15:46	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/08/19 15:46	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/08/19 15:46	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/08/19 15:46	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/08/19 15:46	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/08/19 15:46	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/08/19 15:46	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/08/19 15:46	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/08/19 15:46	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 15:46	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/08/19 15:46	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/08/19 15:46	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AVB 101-04-20191002

Lab Sample ID: 550-130720-9

Date Collected: 10/02/19 09:30

Matrix: Water

Date Received: 10/03/19 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/08/19 15:46	1
Styrene	ND	E8	2.0	0.17	ug/L			10/08/19 15:46	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/08/19 15:46	1
Tetrachloroethene	**8.3**		2.0	0.18	ug/L			10/08/19 15:46	1
Toluene	ND	E8	2.0	0.28	ug/L			10/08/19 15:46	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/08/19 15:46	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/08/19 15:46	1
Trichloroethene	**45**		2.0	0.24	ug/L			10/09/19 18:34	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 15:46	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/08/19 15:46	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/08/19 15:46	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/08/19 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/08/19 15:46*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*10/09/19 18:34*	*1*
Toluene-d8 (Surr)	*126*		*70 - 130*		*10/08/19 15:46*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/09/19 18:34*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*10/08/19 15:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/09/19 18:34*	*1*

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	**Client Sample ID**	**DBFM (70-130)**	**TOL (70-130)**	**BFB (70-130)**
550-130720-1	Trip Blank	110	99	99
550-130720-2	AVB 106-02-20190930	112	113	95
550-130720-3	AVB 106-03-20190930	97	111	84
550-130720-4	AVB 68-02-20190930	118	111	107
550-130720-4	AVB 68-02-20190930	109	101	101
550-130720-5	AVB 93-01-20190930	114	111	104
550-130720-6	AVB 82-01-20191001	98	112	98
550-130720-7	AVB 82-02-20191001	119	111	96
550-130720-7	AVB 82-02-20191001	112	101	103
550-130720-8	AZZ0-05-20191001	112	112	94
550-130720-9	AVB 101-04-20191002	112	126	106
550-130720-9	AVB 101-04-20191002	115	99	102
550-130779-B-10 MS	Matrix Spike	117	114	107
550-130779-C-10 MSD	Matrix Spike Duplicate	118	118	100
550-130845-B-1 MS	Matrix Spike	64 N1 S7	74	58 N1 S7
550-130845-C-1 MSD	Matrix Spike Duplicate	106	124	112
550-130902-A-14 MS	Matrix Spike	115	108	104
550-130902-A-14 MSD	Matrix Spike Duplicate	115	109	105
LCS 550-191574/3	Lab Control Sample	118	119	111
LCS 550-191679/1003	Lab Control Sample	118	104	106
LCS 550-191823/3	Lab Control Sample	109	105	99
LCSD 550-191574/4	Lab Control Sample Dup	123	116	107
LCSD 550-191679/4	Lab Control Sample Dup	112	119	107
LCSD 550-191823/4	Lab Control Sample Dup	109	106	101
MB 550-191574/7	Method Blank	113	109	99
MB 550-191679/7	Method Blank	109	117	100
MB 550-191823/5	Method Blank	109	100	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-191574/7
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/07/19 17:50	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/07/19 17:50	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/07/19 17:50	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 17:50	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/07/19 17:50	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/07/19 17:50	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/07/19 17:50	1
1,2,3-Trichlorobenzene	0.880	E4	5.0	0.45	ug/L			10/07/19 17:50	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/07/19 17:50	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/07/19 17:50	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/07/19 17:50	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/07/19 17:50	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/07/19 17:50	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/07/19 17:50	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/07/19 17:50	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 17:50	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 17:50	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/07/19 17:50	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/07/19 17:50	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 17:50	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/07/19 17:50	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/07/19 17:50	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/07/19 17:50	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/07/19 17:50	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/07/19 17:50	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/07/19 17:50	1
Acetone	ND	E8	20	7.3	ug/L			10/07/19 17:50	1
Benzene	ND	E8	2.0	0.12	ug/L			10/07/19 17:50	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/07/19 17:50	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/07/19 17:50	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/07/19 17:50	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/07/19 17:50	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/07/19 17:50	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/07/19 17:50	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/07/19 17:50	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/07/19 17:50	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/07/19 17:50	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/07/19 17:50	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/07/19 17:50	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/07/19 17:50	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/07/19 17:50	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/07/19 17:50	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/07/19 17:50	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/07/19 17:50	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/07/19 17:50	1
Hexachlorobutadiene	1.38	E4	5.0	0.28	ug/L			10/07/19 17:50	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/07/19 17:50	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/07/19 17:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-191574/7
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/07/19 17:50	1
Methylene Chloride	1.47	E4	5.0	0.67	ug/L			10/07/19 17:50	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/07/19 17:50	1
Naphthalene	0.974	E4	5.0	0.51	ug/L			10/07/19 17:50	1
n-Butylbenzene	0.255	E4	5.0	0.21	ug/L			10/07/19 17:50	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/07/19 17:50	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/07/19 17:50	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/07/19 17:50	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/07/19 17:50	1
Styrene	ND	E8	2.0	0.17	ug/L			10/07/19 17:50	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/07/19 17:50	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/07/19 17:50	1
Toluene	ND	E8	2.0	0.28	ug/L			10/07/19 17:50	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/07/19 17:50	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/07/19 17:50	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/07/19 17:50	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/07/19 17:50	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/07/19 17:50	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/07/19 17:50	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/07/19 17:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*10/07/19 17:50*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*10/07/19 17:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*10/07/19 17:50*	*1*

Lab Sample ID: LCS 550-191574/3
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	28.9		ug/L		116	70 - 130
1,1,1-Trichloroethane	25.0	28.8		ug/L		115	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		103	70 - 130
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	70 - 130
1,1-Dichloroethane	25.0	30.5		ug/L		122	70 - 130
1,1-Dichloroethene	25.0	32.0		ug/L		128	70 - 130
1,1-Dichloropropene	25.0	29.9		ug/L		120	70 - 130
1,2,3-Trichlorobenzene	25.0	32.8	L5	ug/L		131	70 - 130
1,2,3-Trichloropropane	25.0	25.8		ug/L		103	70 - 130
1,2,4-Trichlorobenzene	25.0	30.3		ug/L		121	70 - 130
1,2,4-Trimethylbenzene	25.0	28.7		ug/L		115	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	27.5		ug/L		110	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.5		ug/L		98	70 - 130
1,2-Dichlorobenzene	25.0	27.3		ug/L		109	70 - 130
1,2-Dichloroethane	25.0	24.7		ug/L		99	70 - 130
1,2-Dichloropropane	25.0	29.3		ug/L		117	70 - 130
1,3,5-Trimethylbenzene	25.0	29.1		ug/L		116	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-191574/3
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130
1,3-Dichloropropane	25.0	24.8		ug/L		99	70 - 130
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130
2,2-Dichloropropane	25.0	28.2		ug/L		113	70 - 130
2-Butanone (MEK)	25.0	25.2		ug/L		101	50 - 150
2-Chlorotoluene	25.0	26.7		ug/L		107	70 - 130
2-Hexanone	25.0	29.8		ug/L		119	52 - 138
4-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	26.4		ug/L		105	64 - 131
Acetone	25.0	27.7		ug/L		111	18 - 150
Benzene	25.0	27.5		ug/L		110	70 - 130
Bromobenzene	25.0	25.1		ug/L		100	70 - 130
Bromochloromethane	25.0	27.8		ug/L		111	70 - 130
Bromodichloromethane	25.0	27.8		ug/L		111	70 - 130
Bromoform	25.0	24.1		ug/L		96	70 - 130
Bromomethane	25.0	28.0		ug/L		112	62 - 136
Carbon disulfide	25.0	30.6		ug/L		122	70 - 130
Carbon tetrachloride	25.0	30.9		ug/L		123	70 - 130
Chlorobenzene	25.0	27.3		ug/L		109	70 - 130
Chloroethane	25.0	27.7		ug/L		111	70 - 130
Chloroform	25.0	27.3		ug/L		109	80 - 120
Chloromethane	25.0	27.4		ug/L		110	64 - 134
cis-1,2-Dichloroethene	25.0	28.7		ug/L		115	70 - 130
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	70 - 130
Chlorodibromomethane	25.0	26.4		ug/L		105	70 - 130
Dibromomethane	25.0	27.9		ug/L		111	70 - 130
Dichlorodifluoromethane	25.0	31.2		ug/L		125	29 - 150
Ethylbenzene	25.0	27.8		ug/L		111	80 - 120
Hexachlorobutadiene	25.0	30.7		ug/L		123	70 - 130
Iodomethane	25.0	31.2		ug/L		125	70 - 136
Isopropylbenzene	25.0	30.3		ug/L		121	70 - 130
m,p-Xylenes	25.0	27.5		ug/L		110	70 - 130
Methylene Chloride	25.0	28.8		ug/L		115	70 - 130
Methyl tert-butyl ether	25.0	30.5		ug/L		122	70 - 132
Naphthalene	25.0	29.8		ug/L		119	70 - 130
n-Butylbenzene	25.0	30.3		ug/L		121	70 - 130
n-Propylbenzene	25.0	27.7		ug/L		111	70 - 130
o-Xylene	25.0	29.9		ug/L		120	70 - 130
p-Isopropyltoluene	25.0	30.3		ug/L		121	70 - 130
sec-Butylbenzene	25.0	31.0		ug/L		124	70 - 130
Styrene	25.0	29.1		ug/L		116	70 - 130
tert-Butylbenzene	25.0	28.0		ug/L		112	70 - 130
Tetrachloroethene	25.0	29.6		ug/L		118	70 - 130
Toluene	25.0	28.8		ug/L		115	80 - 120
trans-1,2-Dichloroethene	25.0	33.7	L5	ug/L		135	70 - 130
trans-1,3-Dichloropropene	25.0	24.0		ug/L		96	70 - 130
Trichloroethene	25.0	28.7		ug/L		115	70 - 130
Trichlorofluoromethane	25.0	31.3		ug/L		125	70 - 130
Vinyl acetate	25.0	29.2		ug/L		117	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-191574/3
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	30.7		ug/L		123	70 - 130
Xylenes, Total	50.0	57.4		ug/L		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*118*		*70 - 130*
Toluene-d8 (Surr)	*119*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 550-191574/4
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	28.5		ug/L		114	70 - 130	1	20
1,1,1-Trichloroethane	25.0	30.7		ug/L		123	70 - 130	6	20
1,1,2,2-Tetrachloroethane	25.0	23.4		ug/L		94	70 - 130	9	20
1,1,2-Trichloroethane	25.0	26.5		ug/L		106	70 - 130	2	20
1,1-Dichloroethane	25.0	33.6	L5	ug/L		134	70 - 130	10	20
1,1-Dichloroethene	25.0	32.7	L5	ug/L		131	70 - 130	2	20
1,1-Dichloropropene	25.0	29.6		ug/L		118	70 - 130	1	20
1,2,3-Trichlorobenzene	25.0	28.5		ug/L		114	70 - 130	14	20
1,2,3-Trichloropropane	25.0	23.1		ug/L		92	70 - 130	11	20
1,2,4-Trichlorobenzene	25.0	27.7		ug/L		111	70 - 130	9	20
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130	8	20
1,2-Dibromo-3-Chloropropane	25.0	27.8		ug/L		111	61 - 130	1	21
1,2-Dibromoethane (EDB)	25.0	24.7		ug/L		99	70 - 130	1	20
1,2-Dichlorobenzene	25.0	26.1		ug/L		104	70 - 130	5	20
1,2-Dichloroethane	25.0	24.7		ug/L		99	70 - 130	0	20
1,2-Dichloropropane	25.0	26.3		ug/L		105	70 - 130	11	20
1,3,5-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 130	12	20
1,3-Dichlorobenzene	25.0	25.6		ug/L		103	70 - 130	2	20
1,3-Dichloropropane	25.0	24.4		ug/L		98	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.4		ug/L		101	70 - 130	2	20
2,2-Dichloropropane	25.0	30.5		ug/L		122	70 - 130	8	20
2-Butanone (MEK)	25.0	27.3		ug/L		109	50 - 150	8	34
2-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130	8	20
2-Hexanone	25.0	28.4		ug/L		114	52 - 138	5	29
4-Chlorotoluene	25.0	24.0		ug/L		96	70 - 130	7	20
4-Methyl-2-pentanone (MIBK)	25.0	26.8		ug/L		107	64 - 131	2	23
Acetone	25.0	24.2		ug/L		97	18 - 150	13	35
Benzene	25.0	26.8		ug/L		107	70 - 130	2	20
Bromobenzene	25.0	23.1		ug/L		92	70 - 130	8	20
Bromochloromethane	25.0	29.7		ug/L		119	70 - 130	7	20
Bromodichloromethane	25.0	25.6		ug/L		102	70 - 130	8	20
Bromoform	25.0	21.9		ug/L		88	70 - 130	9	20
Bromomethane	25.0	29.5		ug/L		118	62 - 136	5	20
Carbon disulfide	25.0	33.2	L5	ug/L		133	70 - 130	8	20
Carbon tetrachloride	25.0	31.2		ug/L		125	70 - 130	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-191574/4
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	27.4		ug/L		110	70 - 130	0	20
Chloroethane	25.0	29.1		ug/L		117	70 - 130	5	20
Chloroform	25.0	28.9		ug/L		116	80 - 120	6	20
Chloromethane	25.0	30.1		ug/L		121	64 - 134	9	20
cis-1,2-Dichloroethene	25.0	29.8		ug/L		119	70 - 130	4	20
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	70 - 130	1	20
Chlorodibromomethane	25.0	27.2		ug/L		109	70 - 130	3	20
Dibromomethane	25.0	24.9		ug/L		100	70 - 130	11	20
Dichlorodifluoromethane	25.0	34.3		ug/L		137	29 - 150	9	21
Ethylbenzene	25.0	28.2		ug/L		113	80 - 120	1	20
Hexachlorobutadiene	25.0	27.9		ug/L		112	70 - 130	9	20
Iodomethane	25.0	33.5		ug/L		134	70 - 136	7	20
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130	9	20
m,p-Xylenes	25.0	25.5		ug/L		102	70 - 130	8	20
Methylene Chloride	25.0	31.2		ug/L		125	70 - 130	8	20
Methyl tert-butyl ether	25.0	34.0	L5	ug/L		136	70 - 132	11	20
Naphthalene	25.0	27.3		ug/L		109	70 - 130	9	20
n-Butylbenzene	25.0	29.5		ug/L		118	70 - 130	3	20
n-Propylbenzene	25.0	26.4		ug/L		106	70 - 130	5	20
o-Xylene	25.0	25.8		ug/L		103	70 - 130	15	20
p-Isopropyltoluene	25.0	29.1		ug/L		116	70 - 130	4	20
sec-Butylbenzene	25.0	29.1		ug/L		116	70 - 130	6	20
Styrene	25.0	25.0		ug/L		100	70 - 130	15	20
tert-Butylbenzene	25.0	25.2		ug/L		101	70 - 130	10	20
Tetrachloroethene	25.0	31.1		ug/L		124	70 - 130	5	20
Toluene	25.0	28.6		ug/L		115	80 - 120	1	20
trans-1,2-Dichloroethene	25.0	37.5	L5	ug/L		150	70 - 130	11	20
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	70 - 130	2	20
Trichloroethene	25.0	27.5		ug/L		110	70 - 130	4	20
Trichlorofluoromethane	25.0	33.5	L5	ug/L		134	70 - 130	7	20
Vinyl acetate	25.0	30.5		ug/L		122	63 - 147	4	20
Vinyl chloride	25.0	33.3	L5	ug/L		133	70 - 130	8	20
Xylenes, Total	50.0	51.3		ug/L		103	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*123*		*70 - 130*
Toluene-d8 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 550-130779-B-10 MS
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.8		ug/L		99	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	25.1		ug/L		100	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	21.1		ug/L		84	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	21.5		ug/L		86	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130779-B-10 MS
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND	E8	25.0	24.1		ug/L		97	70 - 137
1,1-Dichloroethene	ND	E8	25.0	24.5		ug/L		98	53 - 150
1,1-Dichloropropene	ND	E8	25.0	30.7		ug/L		123	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	25.1		ug/L		100	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	20.8		ug/L		83	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	24.5		ug/L		98	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	23.6		ug/L		95	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	22.9		ug/L		92	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	20.1		ug/L		80	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	23.0		ug/L		92	67 - 131
1,2-Dichloroethane	ND	E8	25.0	25.9		ug/L		104	58 - 146
1,2-Dichloropropane	ND	E8	25.0	24.6		ug/L		98	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	24.8		ug/L		99	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	22.5		ug/L		90	68 - 130
1,3-Dichloropropane	ND	E8	25.0	19.9		ug/L		80	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	22.1		ug/L		89	68 - 128
2,2-Dichloropropane	ND	E8	25.0	24.8		ug/L		99	54 - 150
2-Butanone (MEK)	ND	E8	25.0	21.2		ug/L		85	10 - 150
2-Chlorotoluene	ND	E8	25.0	22.0		ug/L		88	63 - 132
2-Hexanone	ND	E8	25.0	23.8		ug/L		95	37 - 150
4-Chlorotoluene	ND	E8	25.0	21.5		ug/L		86	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	22.3		ug/L		89	41 - 150
Acetone	26		25.0	39.0		ug/L		52	10 - 150
Benzene	ND	E8	25.0	27.3		ug/L		109	54 - 142
Bromobenzene	ND	E8	25.0	21.5		ug/L		86	69 - 132
Bromochloromethane	ND	E8	25.0	22.8		ug/L		91	67 - 145
Bromodichloromethane	ND	E8	25.0	23.0		ug/L		92	61 - 143
Bromoform	ND	E8	25.0	19.4		ug/L		77	57 - 142
Bromomethane	ND	E8	25.0	21.4		ug/L		86	56 - 149
Carbon disulfide	ND	E8	25.0	24.2		ug/L		97	48 - 150
Carbon tetrachloride	ND	E8	25.0	31.5		ug/L		126	60 - 143
Chlorobenzene	ND	E8	25.0	22.4		ug/L		90	69 - 129
Chloroethane	ND	E8	25.0	20.1		ug/L		81	60 - 146
Chloroform	ND	E8	25.0	23.7		ug/L		95	69 - 138
Chloromethane	ND	E8	25.0	21.3		ug/L		85	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	29.2		ug/L		117	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	20.5		ug/L		82	57 - 145
Chlorodibromomethane	ND	E8	25.0	22.6		ug/L		90	61 - 143
Dibromomethane	ND	E8	25.0	23.4		ug/L		93	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	26.1		ug/L		104	21 - 150
Ethylbenzene	ND	E8	25.0	23.6		ug/L		95	46 - 149
Hexachlorobutadiene	ND	E8	25.0	25.8		ug/L		103	49 - 146
Iodomethane	ND	E8	25.0	24.2		ug/L		97	43 - 150
Isopropylbenzene	ND	E8	25.0	24.6		ug/L		98	56 - 143
m,p-Xylenes	ND	E8	25.0	22.4		ug/L		90	52 - 144
Methylene Chloride	0.77	E4	25.0	22.7		ug/L		88	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	23.5		ug/L		94	56 - 148
Naphthalene	ND	E8	25.0	23.9		ug/L		95	47 - 150
n-Butylbenzene	ND	E8	25.0	25.8		ug/L		103	54 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130779-B-10 MS
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	ND	E8	25.0	23.3		ug/L		93	54 - 144
o-Xylene	ND	E8	25.0	23.0		ug/L		92	55 - 143
p-Isopropyltoluene	ND	E8	25.0	25.6		ug/L		102	53 - 147
sec-Butylbenzene	ND	E8	25.0	26.0		ug/L		104	55 - 145
Styrene	ND	E8	25.0	22.0		ug/L		88	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.1		ug/L		93	57 - 143
Tetrachloroethene	ND	E8	25.0	26.2		ug/L		105	37 - 150
Toluene	ND	E8	25.0	23.8		ug/L		95	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	25.7		ug/L		103	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	19.4		ug/L		78	57 - 147
Trichloroethene	ND	E8	25.0	27.3		ug/L		109	62 - 134
Trichlorofluoromethane	ND	E8	25.0	25.5		ug/L		102	60 - 150
Vinyl acetate	ND	E8	25.0	20.8	E4	ug/L		83	14 - 150
Vinyl chloride	ND	E8	25.0	24.4		ug/L		97	48 - 150
Xylenes, Total	ND	E8	50.0	45.4		ug/L		91	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*117*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 550-130779-C-10 MSD
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.4		ug/L		105	67 - 137	6	35
1,1,1-Trichloroethane	ND	E8	25.0	28.1		ug/L		113	64 - 143	11	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	22.6		ug/L		90	63 - 136	7	35
1,1,2-Trichloroethane	ND	E8	25.0	23.4		ug/L		94	66 - 137	8	35
1,1-Dichloroethane	ND	E8	25.0	29.4		ug/L		117	70 - 137	20	35
1,1-Dichloroethene	ND	E8	25.0	30.2		ug/L		121	53 - 150	21	35
1,1-Dichloropropene	ND	E8	25.0	28.3		ug/L		113	58 - 141	8	35
1,2,3-Trichlorobenzene	ND	E8	25.0	30.0		ug/L		120	57 - 144	18	35
1,2,3-Trichloropropane	ND	E8	25.0	22.9		ug/L		92	60 - 138	9	35
1,2,4-Trichlorobenzene	ND	E8	25.0	28.5		ug/L		114	58 - 140	15	35
1,2,4-Trimethylbenzene	ND	E8	25.0	24.8		ug/L		99	50 - 147	5	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	27.6		ug/L		111	51 - 143	19	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	23.6		ug/L		94	67 - 136	16	35
1,2-Dichlorobenzene	ND	E8	25.0	26.1		ug/L		104	67 - 131	12	35
1,2-Dichloroethane	ND	E8	25.0	23.1		ug/L		92	58 - 146	11	35
1,2-Dichloropropane	ND	E8	25.0	24.4		ug/L		98	66 - 135	1	35
1,3,5-Trimethylbenzene	ND	E8	25.0	24.6		ug/L		99	50 - 147	1	35
1,3-Dichlorobenzene	ND	E8	25.0	24.9		ug/L		100	68 - 130	10	35
1,3-Dichloropropane	ND	E8	25.0	22.5		ug/L		90	67 - 134	12	35
1,4-Dichlorobenzene	ND	E8	25.0	24.1		ug/L		96	68 - 128	8	35
2,2-Dichloropropane	ND	E8	25.0	28.5		ug/L		114	54 - 150	14	35
2-Butanone (MEK)	ND	E8	25.0	23.7		ug/L		95	10 - 150	11	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130779-C-10 MSD
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	ND	E8	25.0	22.9		ug/L		92	63 - 132	4	35
2-Hexanone	ND	E8	25.0	27.1		ug/L		109	37 - 150	13	35
4-Chlorotoluene	ND	E8	25.0	21.6		ug/L		86	66 - 131	0	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	27.9		ug/L		111	41 - 150	22	35
Acetone	26		25.0	33.1		ug/L		29	10 - 150	16	35
Benzene	ND	E8	25.0	25.1		ug/L		101	54 - 142	8	35
Bromobenzene	ND	E8	25.0	21.7		ug/L		87	69 - 132	1	35
Bromochloromethane	ND	E8	25.0	26.1		ug/L		104	67 - 145	13	35
Bromodichloromethane	ND	E8	25.0	27.0		ug/L		108	61 - 143	16	35
Bromoform	ND	E8	25.0	20.4		ug/L		82	57 - 142	5	35
Bromomethane	ND	E8	25.0	26.5		ug/L		106	56 - 149	21	35
Carbon disulfide	ND	E8	25.0	28.6		ug/L		114	48 - 150	17	35
Carbon tetrachloride	ND	E8	25.0	30.1		ug/L		120	60 - 143	5	35
Chlorobenzene	ND	E8	25.0	25.3		ug/L		101	69 - 129	12	35
Chloroethane	ND	E8	25.0	25.4		ug/L		101	60 - 146	23	35
Chloroform	ND	E8	25.0	25.9		ug/L		104	69 - 138	9	35
Chloromethane	ND	E8	25.0	24.4		ug/L		97	50 - 150	13	35
cis-1,2-Dichloroethene	ND	E8	25.0	27.0		ug/L		108	65 - 139	8	35
cis-1,3-Dichloropropene	ND	E8	25.0	25.1		ug/L		100	57 - 145	20	35
Chlorodibromomethane	ND	E8	25.0	25.6		ug/L		103	61 - 143	13	35
Dibromomethane	ND	E8	25.0	24.2		ug/L		97	64 - 138	4	35
Dichlorodifluoromethane	ND	E8	25.0	32.2		ug/L		129	21 - 150	21	35
Ethylbenzene	ND	E8	25.0	25.9		ug/L		104	46 - 149	9	35
Hexachlorobutadiene	ND	E8	25.0	29.0		ug/L		116	49 - 146	12	35
Iodomethane	ND	E8	25.0	28.9		ug/L		116	43 - 150	18	35
Isopropylbenzene	ND	E8	25.0	25.4		ug/L		102	56 - 143	3	35
m,p-Xylenes	ND	E8	25.0	23.6		ug/L		94	52 - 144	5	35
Methylene Chloride	0.77	E4	25.0	25.4		ug/L		98	66 - 134	11	35
Methyl tert-butyl ether	ND	E8	25.0	28.0		ug/L		112	56 - 148	18	35
Naphthalene	ND	E8	25.0	29.4		ug/L		118	47 - 150	21	35
n-Butylbenzene	ND	E8	25.0	30.4		ug/L		121	54 - 145	16	35
n-Propylbenzene	ND	E8	25.0	24.2		ug/L		97	54 - 144	4	35
o-Xylene	ND	E8	25.0	24.0		ug/L		96	55 - 143	4	35
p-Isopropyltoluene	ND	E8	25.0	30.2		ug/L		121	53 - 147	17	35
sec-Butylbenzene	ND	E8	25.0	27.6		ug/L		111	55 - 145	6	35
Styrene	ND	E8	25.0	22.8		ug/L		91	21 - 150	3	35
tert-Butylbenzene	ND	E8	25.0	24.9		ug/L		100	57 - 143	8	35
Tetrachloroethene	ND	E8	25.0	28.3		ug/L		113	37 - 150	8	35
Toluene	ND	E8	25.0	26.6		ug/L		107	56 - 141	11	35
trans-1,2-Dichloroethene	ND	E8	25.0	31.5		ug/L		126	69 - 136	20	35
trans-1,3-Dichloropropene	ND	E8	25.0	22.5		ug/L		90	57 - 147	15	35
Trichloroethene	ND	E8	25.0	24.8		ug/L		99	62 - 134	10	35
Trichlorofluoromethane	ND	E8	25.0	32.2		ug/L		129	60 - 150	23	35
Vinyl acetate	ND	E8	25.0	26.2		ug/L		105	14 - 150	23	35
Vinyl chloride	ND	E8	25.0	28.9		ug/L		116	48 - 150	17	35
Xylenes, Total	ND	E8	50.0	47.6		ug/L		95	53 - 145	5	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130779-C-10 MSD
Matrix: Water
Analysis Batch: 191574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*118*		*70 - 130*
Toluene-d8 (Surr)	*118*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 550-191679/7
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/08/19 11:34	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/08/19 11:34	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/08/19 11:34	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 11:34	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/08/19 11:34	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/08/19 11:34	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/08/19 11:34	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/08/19 11:34	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/08/19 11:34	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/08/19 11:34	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/08/19 11:34	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/08/19 11:34	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/08/19 11:34	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/08/19 11:34	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/08/19 11:34	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 11:34	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 11:34	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/08/19 11:34	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/08/19 11:34	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 11:34	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/08/19 11:34	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/08/19 11:34	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/08/19 11:34	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/08/19 11:34	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/08/19 11:34	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/08/19 11:34	1
Acetone	ND	E8	20	7.3	ug/L			10/08/19 11:34	1
Benzene	ND	E8	2.0	0.12	ug/L			10/08/19 11:34	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/08/19 11:34	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/08/19 11:34	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/08/19 11:34	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/08/19 11:34	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/08/19 11:34	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/08/19 11:34	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/08/19 11:34	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/08/19 11:34	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/08/19 11:34	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/08/19 11:34	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/08/19 11:34	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-191679/7
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/08/19 11:34	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/08/19 11:34	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/08/19 11:34	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/08/19 11:34	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 11:34	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/08/19 11:34	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/08/19 11:34	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/08/19 11:34	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/08/19 11:34	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/08/19 11:34	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/08/19 11:34	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/08/19 11:34	1
Naphthalene	0.552	E4	5.0	0.51	ug/L			10/08/19 11:34	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/08/19 11:34	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/08/19 11:34	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/08/19 11:34	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/08/19 11:34	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/08/19 11:34	1
Styrene	ND	E8	2.0	0.17	ug/L			10/08/19 11:34	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/08/19 11:34	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/08/19 11:34	1
Toluene	ND	E8	2.0	0.28	ug/L			10/08/19 11:34	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/08/19 11:34	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/08/19 11:34	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/08/19 11:34	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/08/19 11:34	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/08/19 11:34	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/08/19 11:34	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/08/19 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*10/08/19 11:34*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*10/08/19 11:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*10/08/19 11:34*	*1*

Lab Sample ID: LCS 550-191679/1003
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 130
1,1,1-Trichloroethane	25.0	28.9		ug/L		116	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	70 - 130
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloroethene	25.0	29.2		ug/L		117	70 - 130
1,1-Dichloropropene	25.0	25.2		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	25.0	31.7		ug/L		127	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-191679/1003
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	24.9		ug/L		99	70 - 130
1,2,4-Trichlorobenzene	25.0	28.5		ug/L		114	70 - 130
1,2,4-Trimethylbenzene	25.0	27.5		ug/L		110	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	28.5		ug/L		114	61 - 130
1,2-Dibromoethane (EDB)	25.0	23.5		ug/L		94	70 - 130
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	70 - 130
1,2-Dichloroethane	25.0	23.5		ug/L		94	70 - 130
1,2-Dichloropropane	25.0	22.5		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	25.0	26.5		ug/L		106	70 - 130
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,3-Dichloropropane	25.0	21.8		ug/L		87	70 - 130
1,4-Dichlorobenzene	25.0	24.6		ug/L		99	70 - 130
2,2-Dichloropropane	25.0	27.3		ug/L		109	70 - 130
2-Butanone (MEK)	25.0	24.7		ug/L		99	50 - 150
2-Chlorotoluene	25.0	24.3		ug/L		97	70 - 130
2-Hexanone	25.0	25.4		ug/L		101	52 - 138
4-Chlorotoluene	25.0	23.2		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	26.2		ug/L		105	64 - 131
Acetone	25.0	24.5		ug/L		98	18 - 150
Benzene	25.0	24.4		ug/L		97	70 - 130
Bromobenzene	25.0	23.8		ug/L		95	70 - 130
Bromochloromethane	25.0	27.7		ug/L		111	70 - 130
Bromodichloromethane	25.0	21.8		ug/L		87	70 - 130
Bromoform	25.0	21.0		ug/L		84	70 - 130
Bromomethane	25.0	25.9		ug/L		104	62 - 136
Carbon disulfide	25.0	28.0		ug/L		112	70 - 130
Carbon tetrachloride	25.0	28.1		ug/L		112	70 - 130
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130
Chloroethane	25.0	27.5		ug/L		110	70 - 130
Chloroform	25.0	27.2		ug/L		109	80 - 120
Chloromethane	25.0	24.5		ug/L		98	64 - 134
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	70 - 130
cis-1,3-Dichloropropene	25.0	21.2		ug/L		85	70 - 130
Chlorodibromomethane	25.0	24.1		ug/L		97	70 - 130
Dibromomethane	25.0	22.0		ug/L		88	70 - 130
Dichlorodifluoromethane	25.0	29.3		ug/L		117	29 - 150
Ethylbenzene	25.0	25.4		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	27.0		ug/L		108	70 - 130
Iodomethane	25.0	29.1		ug/L		116	70 - 136
Isopropylbenzene	25.0	27.2		ug/L		109	70 - 130
m,p-Xylenes	25.0	25.4		ug/L		102	70 - 130
Methylene Chloride	25.0	25.6		ug/L		102	70 - 130
Methyl tert-butyl ether	25.0	27.5		ug/L		110	70 - 132
Naphthalene	25.0	28.8		ug/L		115	70 - 130
n-Butylbenzene	25.0	28.4		ug/L		113	70 - 130
n-Propylbenzene	25.0	25.4		ug/L		102	70 - 130
o-Xylene	25.0	26.6		ug/L		107	70 - 130
p-Isopropyltoluene	25.0	29.0		ug/L		116	70 - 130
sec-Butylbenzene	25.0	28.4		ug/L		114	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-191679/1003
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	24.7		ug/L		99	70 - 130
tert-Butylbenzene	25.0	26.0		ug/L		104	70 - 130
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130
Toluene	25.0	24.6		ug/L		99	80 - 120
trans-1,2-Dichloroethene	25.0	28.7		ug/L		115	70 - 130
trans-1,3-Dichloropropene	25.0	20.4		ug/L		81	70 - 130
Trichloroethene	25.0	22.1		ug/L		88	70 - 130
Trichlorofluoromethane	25.0	29.9		ug/L		120	70 - 130
Vinyl acetate	25.0	21.8	E4	ug/L		87	63 - 147
Vinyl chloride	25.0	30.0		ug/L		120	70 - 130
Xylenes, Total	50.0	52.0		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*118*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 550-191679/4
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	28.3		ug/L		113	70 - 130	10	20
1,1,1-Trichloroethane	25.0	27.8		ug/L		111	70 - 130	4	20
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	70 - 130	2	20
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	70 - 130	12	20
1,1-Dichloroethane	25.0	24.2		ug/L		97	70 - 130	6	20
1,1-Dichloroethene	25.0	27.6		ug/L		110	70 - 130	6	20
1,1-Dichloropropene	25.0	29.1		ug/L		116	70 - 130	15	20
1,2,3-Trichlorobenzene	25.0	28.3		ug/L		113	70 - 130	11	20
1,2,3-Trichloropropane	25.0	25.6		ug/L		102	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	27.4		ug/L		109	70 - 130	4	20
1,2,4-Trimethylbenzene	25.0	27.6		ug/L		110	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	27.0		ug/L		108	61 - 130	6	21
1,2-Dibromoethane (EDB)	25.0	24.2		ug/L		97	70 - 130	3	20
1,2-Dichlorobenzene	25.0	27.1		ug/L		108	70 - 130	3	20
1,2-Dichloroethane	25.0	27.6		ug/L		110	70 - 130	16	20
1,2-Dichloropropane	25.0	27.7	N1	ug/L		111	70 - 130	21	20
1,3,5-Trimethylbenzene	25.0	28.6		ug/L		114	70 - 130	7	20
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	70 - 130	7	20
1,3-Dichloropropane	25.0	24.6		ug/L		98	70 - 130	12	20
1,4-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130	6	20
2,2-Dichloropropane	25.0	27.7		ug/L		111	70 - 130	1	20
2-Butanone (MEK)	25.0	26.1		ug/L		104	50 - 150	6	34
2-Chlorotoluene	25.0	25.2		ug/L		101	70 - 130	4	20
2-Hexanone	25.0	30.1		ug/L		120	52 - 138	17	29
4-Chlorotoluene	25.0	24.5		ug/L		98	70 - 130	6	20
4-Methyl-2-pentanone (MIBK)	25.0	31.0		ug/L		124	64 - 131	17	23

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-191679/4
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	25.0	28.4		ug/L		114	18 - 150	15	35
Benzene	25.0	28.4		ug/L		114	70 - 130	15	20
Bromobenzene	25.0	24.2		ug/L		97	70 - 130	2	20
Bromochloromethane	25.0	27.3		ug/L		109	70 - 130	1	20
Bromodichloromethane	25.0	27.0	N1	ug/L		108	70 - 130	21	20
Bromoform	25.0	22.1		ug/L		88	70 - 130	5	20
Bromomethane	25.0	22.9		ug/L		92	62 - 136	12	20
Carbon disulfide	25.0	25.7		ug/L		103	70 - 130	9	20
Carbon tetrachloride	25.0	32.3		ug/L		129	70 - 130	14	20
Chlorobenzene	25.0	26.1		ug/L		104	70 - 130	2	20
Chloroethane	25.0	23.8		ug/L		95	70 - 130	14	20
Chloroform	25.0	26.1		ug/L		105	80 - 120	4	20
Chloromethane	25.0	22.3		ug/L		89	64 - 134	10	20
cis-1,2-Dichloroethene	25.0	31.5	N1	ug/L		126	70 - 130	24	20
cis-1,3-Dichloropropene	25.0	26.2	N1	ug/L		105	70 - 130	21	20
Chlorodibromomethane	25.0	25.8		ug/L		103	70 - 130	6	20
Dibromomethane	25.0	27.6	N1	ug/L		110	70 - 130	23	20
Dichlorodifluoromethane	25.0	24.8		ug/L		99	29 - 150	17	21
Ethylbenzene	25.0	26.9		ug/L		107	80 - 120	5	20
Hexachlorobutadiene	25.0	26.2		ug/L		105	70 - 130	3	20
Iodomethane	25.0	27.3		ug/L		109	70 - 136	6	20
Isopropylbenzene	25.0	27.5		ug/L		110	70 - 130	1	20
m,p-Xylenes	25.0	25.0		ug/L		100	70 - 130	1	20
Methylene Chloride	25.0	23.5		ug/L		94	70 - 130	8	20
Methyl tert-butyl ether	25.0	25.2		ug/L		101	70 - 132	8	20
Naphthalene	25.0	27.9		ug/L		112	70 - 130	3	20
n-Butylbenzene	25.0	28.5		ug/L		114	70 - 130	0	20
n-Propylbenzene	25.0	25.8		ug/L		103	70 - 130	2	20
o-Xylene	25.0	26.3		ug/L		105	70 - 130	1	20
p-Isopropyltoluene	25.0	29.9		ug/L		120	70 - 130	3	20
sec-Butylbenzene	25.0	28.7		ug/L		115	70 - 130	1	20
Styrene	25.0	25.7		ug/L		103	70 - 130	4	20
tert-Butylbenzene	25.0	26.0		ug/L		104	70 - 130	0	20
Tetrachloroethene	25.0	28.2		ug/L		113	70 - 130	10	20
Toluene	25.0	27.3		ug/L		109	80 - 120	10	20
trans-1,2-Dichloroethene	25.0	26.3		ug/L		105	70 - 130	9	20
trans-1,3-Dichloropropene	25.0	23.2		ug/L		93	70 - 130	13	20
Trichloroethene	25.0	27.8	N1	ug/L		111	70 - 130	23	20
Trichlorofluoromethane	25.0	27.1		ug/L		108	70 - 130	10	20
Vinyl acetate	25.0	21.1	E4	ug/L		84	63 - 147	4	20
Vinyl chloride	25.0	26.3		ug/L		105	70 - 130	13	20
Xylenes, Total	50.0	51.3		ug/L		103	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*112*		*70 - 130*
Toluene-d8 (Surr)	*119*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130845-B-1 MS
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8 R13 M2	25.0	14.9	M2	ug/L		60	67 - 137
1,1,1-Trichloroethane	ND	E8 R13 M2	25.0	15.8	M2	ug/L		63	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8 R13 M2	25.0	13.4	M2	ug/L		54	63 - 136
1,1,2-Trichloroethane	ND	E8 R13 M2	25.0	14.0	M2	ug/L		56	66 - 137
1,1-Dichloroethane	ND	E8 R13 M2	25.0	14.4	M2	ug/L		58	70 - 137
1,1-Dichloroethene	ND	E8 R4	25.0	17.6		ug/L		70	53 - 150
1,1-Dichloropropene	ND	E8 R4	25.0	15.8		ug/L		63	58 - 141
1,2,3-Trichlorobenzene	ND	E8 R4	25.0	14.8		ug/L		59	57 - 144
1,2,3-Trichloropropane	ND	E8 R13 M2	25.0	13.1	M2	ug/L		52	60 - 138
1,2,4-Trichlorobenzene	ND	E8 R13 M2	25.0	14.3	M2	ug/L		57	58 - 140
1,2,4-Trimethylbenzene	0.25	E4 R4	25.0	14.2		ug/L		57	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8 R4	25.0	16.2		ug/L		65	51 - 143
1,2-Dibromoethane (EDB)	ND	E8 R13 M2	25.0	12.8	M2	ug/L		51	67 - 136
1,2-Dichlorobenzene	ND	E8 R13 M2	25.0	13.7	M2	ug/L		55	67 - 131
1,2-Dichloroethane	ND	E8 R13 M2	25.0	13.2	M2	ug/L		53	58 - 146
1,2-Dichloropropane	ND	E8 N1 M2	25.0	14.4	M2	ug/L		58	66 - 135
1,3,5-Trimethylbenzene	ND	E8 R4	25.0	14.5		ug/L		58	50 - 147
1,3-Dichlorobenzene	ND	E8 R13 M2	25.0	13.0	M2	ug/L		52	68 - 130
1,3-Dichloropropane	ND	E8 R13 M2	25.0	12.4	M2	ug/L		50	67 - 134
1,4-Dichlorobenzene	ND	E8 R13 M2	25.0	13.2	M2	ug/L		53	68 - 128
2,2-Dichloropropane	ND	E8 R4	25.0	15.4		ug/L		62	54 - 150
2-Butanone (MEK)	6.5	E4	25.0	21.5		ug/L		60	10 - 150
2-Chlorotoluene	ND	E8 R13 M2	25.0	12.9	M2	ug/L		51	63 - 132
2-Hexanone	ND	E8 R13 M1	25.0	25.6		ug/L		102	37 - 150
4-Chlorotoluene	ND	E8 R13 M2	25.0	12.4	M2	ug/L		49	66 - 131
4-Methyl-2-pentanone (MIBK)	4.4	E4	25.0	22.8		ug/L		74	41 - 150
Acetone	61		25.0	68.1		ug/L		30	10 - 150
Benzene	ND	E8 R4	25.0	14.3		ug/L		57	54 - 142
Bromobenzene	ND	E8 R13 M2	25.0	12.5	M2	ug/L		50	69 - 132
Bromochloromethane	ND	E8 R13 M2	25.0	14.3	M2	ug/L		57	67 - 145
Bromodichloromethane	ND	E8 N1	25.0	15.6		ug/L		63	61 - 143
Bromoform	ND	E8 R13 M2	25.0	11.4	M2	ug/L		46	57 - 142
Bromomethane	ND	E8 R13 M2	25.0	13.8	M2	ug/L		55	56 - 149

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130845-B-1 MS
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	ND	E8 R4	25.0	16.3		ug/L		65	48 - 150
Carbon tetrachloride	ND	E8 R4	25.0	18.4		ug/L		74	60 - 143
Chlorobenzene	ND	E8 R13 M2	25.0	13.2	M2	ug/L		53	69 - 129
Chloroethane	ND	E8 R4	25.0	16.4		ug/L		65	60 - 146
Chloroform	ND	E8 R13 M2	25.0	13.9	M2	ug/L		56	69 - 138
Chloromethane	ND	E8 R4	25.0	13.5		ug/L		54	50 - 150
cis-1,2-Dichloroethene	ND	E8 N1 M2	25.0	15.3	M2	ug/L		61	65 - 139
cis-1,3-Dichloropropene	ND	E8 N1 M2	25.0	13.5	M2	ug/L		54	57 - 145
Chlorodibromomethane	ND	E8 R13 M2	25.0	13.5	M2	ug/L		54	61 - 143
Dibromomethane	ND	E8 N1 M2	25.0	15.8	M2	ug/L		63	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	20.6		ug/L		83	21 - 150
Ethylbenzene	ND	E8 R4	25.0	14.4		ug/L		58	46 - 149
Hexachlorobutadiene	ND	E8 R4	25.0	14.6		ug/L		58	49 - 146
Iodomethane	ND	E8 R4	25.0	15.9		ug/L		64	43 - 150
Isopropylbenzene	ND	E8 R4	25.0	14.9		ug/L		60	56 - 143
m,p-Xylenes	ND	E8 R13 M2	25.0	12.8	M2	ug/L		51	52 - 144
Methylene Chloride	ND	E8 R13 M2	25.0	13.5	M2	ug/L		54	66 - 134
Methyl tert-butyl ether	0.25	E4 R4	25.0	15.6		ug/L		62	56 - 148
Naphthalene	ND	E8 R4	25.0	16.6		ug/L		66	47 - 150
n-Butylbenzene	ND	E8 R4	25.0	15.0		ug/L		60	54 - 145
n-Propylbenzene	ND	E8 R4	25.0	13.9		ug/L		55	54 - 144
o-Xylene	ND	E8 R4	25.0	13.7		ug/L		55	55 - 143
p-Isopropyltoluene	ND	E8 R4	25.0	14.7		ug/L		59	53 - 147
sec-Butylbenzene	ND	E8 R4	25.0	15.1		ug/L		60	55 - 145
Styrene	ND	E8 R4	25.0	12.6		ug/L		50	21 - 150
tert-Butylbenzene	ND	E8 R13 M2	25.0	13.6	M2	ug/L		54	57 - 143
Tetrachloroethene	ND	E8 R4	25.0	16.6		ug/L		66	37 - 150
Toluene	ND	E8 R4	25.0	15.8		ug/L		63	56 - 141
trans-1,2-Dichloroethene	ND	E8 R4	25.0	17.4		ug/L		70	69 - 136
trans-1,3-Dichloropropene	ND	E8 R13 M2	25.0	12.7	M2	ug/L		51	57 - 147
Trichloroethene	ND	E8 N1 M2	25.0	14.0	M2	ug/L		56	62 - 134
Trichlorofluoromethane	ND	E8 R4	25.0	19.3		ug/L		77	60 - 150
Vinyl acetate	ND	E8	25.0	13.9	E4	ug/L		56	14 - 150
Vinyl chloride	ND	E8 R4	25.0	18.0		ug/L		72	48 - 150
Xylenes, Total	ND	E8 R4	50.0	26.5		ug/L		53	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*64*	*N1 S7*	*70 - 130*
Toluene-d8 (Surr)	*74*		*70 - 130*
4-Bromofluorobenzene (Surr)	*58*	*N1 S7*	*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130845-C-1 MSD
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8 R13 M2	25.0	28.4	R13	ug/L		113	67 - 137	62	35
1,1,1-Trichloroethane	ND	E8 R13 M2	25.0	26.8	R13	ug/L		107	64 - 143	52	35
1,1,2,2-Tetrachloroethane	ND	E8 R13 M2	25.0	24.7	R13	ug/L		99	63 - 136	59	35
1,1,2-Trichloroethane	ND	E8 R13 M2	25.0	26.8	R13	ug/L		107	66 - 137	63	35
1,1-Dichloroethane	ND	E8 R13 M2	25.0	24.3	R13	ug/L		97	70 - 137	51	35
1,1-Dichloroethene	ND	E8 R4	25.0	29.5	R4	ug/L		118	53 - 150	50	35
1,1-Dichloropropene	ND	E8 R4	25.0	25.9	R4	ug/L		104	58 - 141	48	35
1,2,3-Trichlorobenzene	ND	E8 R4	25.0	29.1	R4	ug/L		117	57 - 144	65	35
1,2,3-Trichloropropane	ND	E8 R13 M2	25.0	24.4	R13	ug/L		98	60 - 138	61	35
1,2,4-Trichlorobenzene	ND	E8 R13 M2	25.0	28.8	R13	ug/L		115	58 - 140	67	35
1,2,4-Trimethylbenzene	0.25	E4 R4	25.0	29.3	R4	ug/L		117	50 - 147	69	35
1,2-Dibromo-3-Chloropropane	ND	E8 R4	25.0	26.8	R4	ug/L		107	51 - 143	49	35
1,2-Dibromoethane (EDB)	ND	E8 R13 M2	25.0	23.2	R13	ug/L		93	67 - 136	57	35
1,2-Dichlorobenzene	ND	E8 R13 M2	25.0	26.5	R13	ug/L		106	67 - 131	64	35
1,2-Dichloroethane	ND	E8 R13 M2	25.0	21.5	R13	ug/L		86	58 - 146	48	35
1,2-Dichloropropane	ND	E8 N1 M2	25.0	26.6	N1	ug/L		106	66 - 135	59	35
1,3,5-Trimethylbenzene	ND	E8 R4	25.0	30.0	R4	ug/L		120	50 - 147	70	35
1,3-Dichlorobenzene	ND	E8 R13 M2	25.0	26.0	R13	ug/L		104	68 - 130	67	35
1,3-Dichloropropane	ND	E8 R13 M2	25.0	23.9	R13	ug/L		96	67 - 134	63	35
1,4-Dichlorobenzene	ND	E8 R13 M2	25.0	24.2	R13	ug/L		97	68 - 128	58	35
2,2-Dichloropropane	ND	E8 R4	25.0	26.4	R4	ug/L		106	54 - 150	53	35
2-Butanone (MEK)	6.5	E4	25.0	27.0		ug/L		82	10 - 150	23	35
2-Chlorotoluene	ND	E8 R13 M2	25.0	26.1	R13	ug/L		105	63 - 132	68	35
2-Hexanone	ND	E8 R13 M1	25.0	42.7	M1 R13	ug/L		171	37 - 150	50	35
4-Chlorotoluene	ND	E8 R13 M2	25.0	24.5	R13	ug/L		98	66 - 131	66	35
4-Methyl-2-pentanone (MIBK)	4.4	E4	25.0	28.9		ug/L		98	41 - 150	23	35
Acetone	61		25.0	69.2		ug/L		34	10 - 150	2	35
Benzene	ND	E8 R4	25.0	24.2	R4	ug/L		97	54 - 142	52	35
Bromobenzene	ND	E8 R13 M2	25.0	23.2	R13	ug/L		93	69 - 132	60	35
Bromochloromethane	ND	E8 R13 M2	25.0	24.1	R13	ug/L		96	67 - 145	51	35
Bromodichloromethane	ND	E8 N1	25.0	24.6	N1	ug/L		98	61 - 143	44	35
Bromoform	ND	E8 R13 M2	25.0	20.6	R13	ug/L		82	57 - 142	58	35
Bromomethane	ND	E8 R13 M2	25.0	26.3	R13	ug/L		105	56 - 149	62	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130845-C-1 MSD
Matrix: Water
Analysis Batch: 191679

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND	E8 R4	25.0	28.0	R4	ug/L		112	48 - 150	53	35
Carbon tetrachloride	ND	E8 R4	25.0	29.4	R4	ug/L		118	60 - 143	46	35
Chlorobenzene	ND	E8 R13 M2	25.0	25.1	R13	ug/L		100	69 - 129	62	35
Chloroethane	ND	E8 R4	25.0	27.2	R4	ug/L		109	60 - 146	50	35
Chloroform	ND	E8 R13 M2	25.0	23.8	R13	ug/L		95	69 - 138	52	35
Chloromethane	ND	E8 R4	25.0	22.6	R4	ug/L		90	50 - 150	50	35
cis-1,2-Dichloroethene	ND	E8 N1 M2	25.0	26.9	N1	ug/L		108	65 - 139	55	35
cis-1,3-Dichloropropene	ND	E8 N1 M2	25.0	22.9	N1	ug/L		92	57 - 145	52	35
Chlorodibromomethane	ND	E8 R13 M2	25.0	24.5	R13	ug/L		98	61 - 143	58	35
Dibromomethane	ND	E8 N1 M2	25.0	24.5	N1	ug/L		98	64 - 138	43	35
Dichlorodifluoromethane	ND	E8	25.0	28.4		ug/L		114	21 - 150	32	35
Ethylbenzene	ND	E8 R4	25.0	27.2	R4	ug/L		109	46 - 149	61	35
Hexachlorobutadiene	ND	E8 R4	25.0	29.9	R4	ug/L		120	49 - 146	69	35
Iodomethane	ND	E8 R4	25.0	27.9	R4	ug/L		112	43 - 150	55	35
Isopropylbenzene	ND	E8 R4	25.0	29.1	R4	ug/L		116	56 - 143	65	35
m,p-Xylenes	ND	E8 R13 M2	25.0	26.5	R13	ug/L		106	52 - 144	70	35
Methylene Chloride	ND	E8 R13 M2	25.0	24.5	R13	ug/L		98	66 - 134	58	35
Methyl tert-butyl ether	0.25	E4 R4	25.0	26.8	R4	ug/L		106	56 - 148	53	35
Naphthalene	ND	E8 R4	25.0	28.8	R4	ug/L		115	47 - 150	54	35
n-Butylbenzene	ND	E8 R4	25.0	30.4	R4	ug/L		122	54 - 145	68	35
n-Propylbenzene	ND	E8 R4	25.0	27.5	R4	ug/L		110	54 - 144	66	35
o-Xylene	ND	E8 R4	25.0	27.5	R4	ug/L		110	55 - 143	67	35
p-Isopropyltoluene	ND	E8 R4	25.0	31.4	R4	ug/L		126	53 - 147	73	35
sec-Butylbenzene	ND	E8 R4	25.0	31.8	R4	ug/L		127	55 - 145	71	35
Styrene	ND	E8 R4	25.0	24.9	R4	ug/L		100	21 - 150	66	35
tert-Butylbenzene	ND	E8 R13 M2	25.0	28.9	R13	ug/L		116	57 - 143	72	35
Tetrachloroethene	ND	E8 R4	25.0	29.4	R4	ug/L		117	37 - 150	56	35
Toluene	ND	E8 R4	25.0	28.4	R4	ug/L		113	56 - 141	57	35
trans-1,2-Dichloroethene	ND	E8 R4	25.0	29.4	R4	ug/L		118	69 - 136	51	35
trans-1,3-Dichloropropene	ND	E8 R13 M2	25.0	21.7	R13	ug/L		87	57 - 147	52	35
Trichloroethene	ND	E8 N1 M2	25.0	25.1	N1	ug/L		100	62 - 134	57	35
Trichlorofluoromethane	ND	E8 R4	25.0	29.4	R4	ug/L		118	60 - 150	41	35
Vinyl acetate	ND	E8	25.0	19.7	E4	ug/L		79	14 - 150	35	35
Vinyl chloride	ND	E8 R4	25.0	28.1	R4	ug/L		112	48 - 150	44	35
Xylenes, Total	ND	E8 R4	50.0	54.0	R4	ug/L		108	53 - 145	68	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*124*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-191823/5
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/09/19 09:18	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/09/19 09:18	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/09/19 09:18	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/09/19 09:18	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/09/19 09:18	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/09/19 09:18	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/09/19 09:18	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/09/19 09:18	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/09/19 09:18	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/09/19 09:18	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/09/19 09:18	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/09/19 09:18	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/09/19 09:18	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/09/19 09:18	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/09/19 09:18	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/09/19 09:18	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/09/19 09:18	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/09/19 09:18	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/09/19 09:18	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/09/19 09:18	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/09/19 09:18	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/09/19 09:18	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/09/19 09:18	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/09/19 09:18	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/09/19 09:18	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/09/19 09:18	1
Acetone	ND	E8	20	7.3	ug/L			10/09/19 09:18	1
Benzene	ND	E8	2.0	0.12	ug/L			10/09/19 09:18	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/09/19 09:18	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/09/19 09:18	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/09/19 09:18	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/09/19 09:18	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/09/19 09:18	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/09/19 09:18	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/09/19 09:18	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/09/19 09:18	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/09/19 09:18	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/09/19 09:18	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/09/19 09:18	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/09/19 09:18	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/09/19 09:18	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/09/19 09:18	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/09/19 09:18	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/09/19 09:18	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/09/19 09:18	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/09/19 09:18	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/09/19 09:18	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/09/19 09:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-191823/5
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/09/19 09:18	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/09/19 09:18	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/09/19 09:18	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/09/19 09:18	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/09/19 09:18	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/09/19 09:18	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/09/19 09:18	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/09/19 09:18	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/09/19 09:18	1
Styrene	ND	E8	2.0	0.17	ug/L			10/09/19 09:18	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/09/19 09:18	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/09/19 09:18	1
Toluene	ND	E8	2.0	0.28	ug/L			10/09/19 09:18	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/09/19 09:18	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/09/19 09:18	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/09/19 09:18	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/09/19 09:18	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/09/19 09:18	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/09/19 09:18	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/09/19 09:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*10/09/19 09:18*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/09/19 09:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/09/19 09:18*	*1*

Lab Sample ID: LCS 550-191823/3
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 130
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	70 - 130
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	70 - 130
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	70 - 130
1,1-Dichloroethane	25.0	22.6		ug/L		91	70 - 130
1,1-Dichloroethene	25.0	22.9		ug/L		92	70 - 130
1,1-Dichloropropene	25.0	22.8		ug/L		91	70 - 130
1,2,3-Trichlorobenzene	25.0	25.9		ug/L		104	70 - 130
1,2,3-Trichloropropane	25.0	22.6		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	25.0	23.1		ug/L		92	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.2		ug/L		97	70 - 130
1,2-Dichlorobenzene	25.0	22.9		ug/L		91	70 - 130
1,2-Dichloroethane	25.0	22.6		ug/L		90	70 - 130
1,2-Dichloropropane	25.0	23.2		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	25.0	22.6		ug/L		90	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-191823/3
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	22.6		ug/L		90	70 - 130
1,3-Dichloropropane	25.0	23.6		ug/L		95	70 - 130
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	70 - 130
2,2-Dichloropropane	25.0	21.5		ug/L		86	70 - 130
2-Butanone (MEK)	25.0	30.5		ug/L		122	50 - 150
2-Chlorotoluene	25.0	22.1		ug/L		88	70 - 130
2-Hexanone	25.0	24.6		ug/L		98	52 - 138
4-Chlorotoluene	25.0	22.3		ug/L		89	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	21.8		ug/L		87	64 - 131
Acetone	25.0	29.0		ug/L		116	18 - 150
Benzene	25.0	23.1		ug/L		92	70 - 130
Bromobenzene	25.0	23.2		ug/L		93	70 - 130
Bromochloromethane	25.0	23.4		ug/L		94	70 - 130
Bromodichloromethane	25.0	23.0		ug/L		92	70 - 130
Bromoform	25.0	22.5		ug/L		90	70 - 130
Bromomethane	25.0	25.1		ug/L		100	62 - 136
Carbon disulfide	25.0	25.5		ug/L		102	70 - 130
Carbon tetrachloride	25.0	23.8		ug/L		95	70 - 130
Chlorobenzene	25.0	23.6		ug/L		95	70 - 130
Chloroethane	25.0	23.5		ug/L		94	70 - 130
Chloroform	25.0	23.9		ug/L		96	80 - 120
Chloromethane	25.0	23.8		ug/L		95	64 - 134
cis-1,2-Dichloroethene	25.0	22.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	25.0	23.6		ug/L		94	70 - 130
Chlorodibromomethane	25.0	22.6		ug/L		91	70 - 130
Dibromomethane	25.0	22.8		ug/L		91	70 - 130
Dichlorodifluoromethane	25.0	29.9		ug/L		120	29 - 150
Ethylbenzene	25.0	22.9		ug/L		91	80 - 120
Hexachlorobutadiene	25.0	24.1		ug/L		96	70 - 130
Iodomethane	25.0	24.6		ug/L		99	70 - 136
Isopropylbenzene	25.0	22.8		ug/L		91	70 - 130
m,p-Xylenes	25.0	23.1		ug/L		92	70 - 130
Methylene Chloride	25.0	22.1		ug/L		88	70 - 130
Methyl tert-butyl ether	25.0	21.5		ug/L		86	70 - 132
Naphthalene	25.0	25.8		ug/L		103	70 - 130
n-Butylbenzene	25.0	22.7		ug/L		91	70 - 130
n-Propylbenzene	25.0	22.4		ug/L		89	70 - 130
o-Xylene	25.0	23.1		ug/L		92	70 - 130
p-Isopropyltoluene	25.0	22.5		ug/L		90	70 - 130
sec-Butylbenzene	25.0	23.3		ug/L		93	70 - 130
Styrene	25.0	23.2		ug/L		93	70 - 130
tert-Butylbenzene	25.0	22.3		ug/L		89	70 - 130
Tetrachloroethene	25.0	22.9		ug/L		92	70 - 130
Toluene	25.0	22.9		ug/L		92	80 - 120
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	70 - 130
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	70 - 130
Trichloroethene	25.0	23.3		ug/L		93	70 - 130
Trichlorofluoromethane	25.0	25.9		ug/L		103	70 - 130
Vinyl acetate	25.0	24.7	E4	ug/L		99	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-191823/3
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	27.0		ug/L		108	70 - 130
Xylenes, Total	50.0	46.2		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 550-191823/4
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 130	0	20
1,1,1-Trichloroethane	25.0	23.7		ug/L		95	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	70 - 130	3	20
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	70 - 130	1	20
1,1-Dichloroethane	25.0	22.8		ug/L		91	70 - 130	1	20
1,1-Dichloroethene	25.0	22.1		ug/L		88	70 - 130	4	20
1,1-Dichloropropene	25.0	23.2		ug/L		93	70 - 130	2	20
1,2,3-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 130	2	20
1,2,3-Trichloropropane	25.0	22.9		ug/L		92	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	70 - 130	0	20
1,2,4-Trimethylbenzene	25.0	23.5		ug/L		94	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	21.9		ug/L		87	61 - 130	5	21
1,2-Dibromoethane (EDB)	25.0	24.3		ug/L		97	70 - 130	0	20
1,2-Dichlorobenzene	25.0	23.0		ug/L		92	70 - 130	1	20
1,2-Dichloroethane	25.0	23.1		ug/L		92	70 - 130	2	20
1,2-Dichloropropane	25.0	23.0		ug/L		92	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	23.2		ug/L		93	70 - 130	3	20
1,3-Dichlorobenzene	25.0	22.8		ug/L		91	70 - 130	1	20
1,3-Dichloropropane	25.0	24.1		ug/L		96	70 - 130	2	20
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	70 - 130	2	20
2,2-Dichloropropane	25.0	19.9		ug/L		80	70 - 130	8	20
2-Butanone (MEK)	25.0	26.9		ug/L		108	50 - 150	12	34
2-Chlorotoluene	25.0	22.6		ug/L		90	70 - 130	2	20
2-Hexanone	25.0	21.7		ug/L		87	52 - 138	12	29
4-Chlorotoluene	25.0	22.5		ug/L		90	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	25.0	21.2		ug/L		85	64 - 131	3	23
Acetone	25.0	24.2		ug/L		97	18 - 150	18	35
Benzene	25.0	23.6		ug/L		94	70 - 130	2	20
Bromobenzene	25.0	23.2		ug/L		93	70 - 130	0	20
Bromochloromethane	25.0	22.9		ug/L		92	70 - 130	2	20
Bromodichloromethane	25.0	23.7		ug/L		95	70 - 130	3	20
Bromoform	25.0	23.2		ug/L		93	70 - 130	3	20
Bromomethane	25.0	24.3		ug/L		97	62 - 136	3	20
Carbon disulfide	25.0	24.3		ug/L		97	70 - 130	5	20
Carbon tetrachloride	25.0	24.2		ug/L		97	70 - 130	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-191823/4
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	23.4		ug/L		94	70 - 130	1	20
Chloroethane	25.0	23.7		ug/L		95	70 - 130	0	20
Chloroform	25.0	23.6		ug/L		94	80 - 120	1	20
Chloromethane	25.0	23.0		ug/L		92	64 - 134	3	20
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	23.6		ug/L		94	70 - 130	0	20
Chlorodibromomethane	25.0	22.9		ug/L		92	70 - 130	1	20
Dibromomethane	25.0	23.6		ug/L		94	70 - 130	3	20
Dichlorodifluoromethane	25.0	28.2		ug/L		113	29 - 150	6	21
Ethylbenzene	25.0	23.3		ug/L		93	80 - 120	2	20
Hexachlorobutadiene	25.0	23.6		ug/L		94	70 - 130	2	20
Iodomethane	25.0	26.1		ug/L		104	70 - 136	6	20
Isopropylbenzene	25.0	23.6		ug/L		95	70 - 130	3	20
m,p-Xylenes	25.0	23.4		ug/L		94	70 - 130	1	20
Methylene Chloride	25.0	22.2		ug/L		89	70 - 130	1	20
Methyl tert-butyl ether	25.0	22.4		ug/L		89	70 - 132	4	20
Naphthalene	25.0	26.1		ug/L		104	70 - 130	1	20
n-Butylbenzene	25.0	22.9		ug/L		92	70 - 130	1	20
n-Propylbenzene	25.0	22.8		ug/L		91	70 - 130	2	20
o-Xylene	25.0	23.4		ug/L		93	70 - 130	1	20
p-Isopropyltoluene	25.0	22.9		ug/L		91	70 - 130	1	20
sec-Butylbenzene	25.0	23.6		ug/L		94	70 - 130	1	20
Styrene	25.0	23.5		ug/L		94	70 - 130	1	20
tert-Butylbenzene	25.0	22.5		ug/L		90	70 - 130	1	20
Tetrachloroethene	25.0	23.0		ug/L		92	70 - 130	0	20
Toluene	25.0	23.3		ug/L		93	80 - 120	1	20
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	70 - 130	1	20
Trichloroethene	25.0	23.1		ug/L		92	70 - 130	1	20
Trichlorofluoromethane	25.0	25.1		ug/L		100	70 - 130	3	20
Vinyl acetate	25.0	23.4	E4	ug/L		93	63 - 147	6	20
Vinyl chloride	25.0	26.6		ug/L		106	70 - 130	2	20
Xylenes, Total	50.0	46.8		ug/L		94	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 550-130902-A-14 MS
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	25.1		ug/L		101	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	24.9		ug/L		99	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	25.5		ug/L		102	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	25.7		ug/L		103	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130902-A-14 MS
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.5	E4	25.0	25.4		ug/L		96	70 - 137
1,1-Dichloroethene	1.9	E4	25.0	25.1		ug/L		93	53 - 150
1,1-Dichloropropene	ND	E8	25.0	24.3		ug/L		97	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	26.8		ug/L		107	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	25.2		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	25.2		ug/L		101	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	24.3		ug/L		97	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	24.8		ug/L		99	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	26.3		ug/L		105	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	23.9		ug/L		96	67 - 131
1,2-Dichloroethane	ND	E8	25.0	24.3		ug/L		97	58 - 146
1,2-Dichloropropane	ND	E8	25.0	24.0		ug/L		96	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	24.2		ug/L		97	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	23.5		ug/L		94	68 - 130
1,3-Dichloropropane	ND	E8	25.0	25.3		ug/L		101	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	23.6		ug/L		94	68 - 128
2,2-Dichloropropane	ND	E8	25.0	19.7		ug/L		79	54 - 150
2-Butanone (MEK)	ND	E8	25.0	32.0		ug/L		128	10 - 150
2-Chlorotoluene	ND	E8	25.0	23.1		ug/L		92	63 - 132
2-Hexanone	ND	E8	25.0	24.0		ug/L		96	37 - 150
4-Chlorotoluene	ND	E8	25.0	23.0		ug/L		92	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	24.5		ug/L		98	41 - 150
Acetone	13	E4	25.0	32.0		ug/L		74	10 - 150
Benzene	ND	E8	25.0	24.5		ug/L		98	54 - 142
Bromobenzene	ND	E8	25.0	24.7		ug/L		99	69 - 132
Bromochloromethane	ND	E8	25.0	24.7		ug/L		99	67 - 145
Bromodichloromethane	ND	E8	25.0	25.3		ug/L		101	61 - 143
Bromoform	ND	E8	25.0	25.9		ug/L		104	57 - 142
Bromomethane	ND	E8	25.0	25.3		ug/L		101	56 - 149
Carbon disulfide	ND	E8	25.0	26.3		ug/L		105	48 - 150
Carbon tetrachloride	ND	E8	25.0	25.2		ug/L		101	60 - 143
Chlorobenzene	ND	E8	25.0	24.7		ug/L		99	69 - 129
Chloroethane	ND	E8	25.0	24.6		ug/L		98	60 - 146
Chloroform	4.0		25.0	28.7		ug/L		99	69 - 138
Chloromethane	ND	E8	25.0	23.7		ug/L		95	50 - 150
cis-1,2-Dichloroethene	7.2		25.0	30.5		ug/L		93	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	24.3		ug/L		97	57 - 145
Chlorodibromomethane	ND	E8	25.0	24.7		ug/L		99	61 - 143
Dibromomethane	ND	E8	25.0	25.4		ug/L		101	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	26.8		ug/L		107	21 - 150
Ethylbenzene	ND	E8	25.0	24.0		ug/L		96	46 - 149
Hexachlorobutadiene	ND	E8	25.0	24.3		ug/L		97	49 - 146
Iodomethane	ND	E8	25.0	27.6		ug/L		110	43 - 150
Isopropylbenzene	ND	E8	25.0	24.4		ug/L		98	56 - 143
m,p-Xylenes	ND	E8	25.0	24.0		ug/L		96	52 - 144
Methylene Chloride	ND	E8	25.0	23.0		ug/L		92	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	24.4		ug/L		98	56 - 148
Naphthalene	ND	E8	25.0	27.8		ug/L		111	47 - 150
n-Butylbenzene	ND	E8	25.0	23.6		ug/L		94	54 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130902-A-14 MS
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	ND	E8	25.0	23.7		ug/L		95	54 - 144
o-Xylene	ND	E8	25.0	24.4		ug/L		98	55 - 143
p-Isopropyltoluene	ND	E8	25.0	23.7		ug/L		95	53 - 147
sec-Butylbenzene	ND	E8	25.0	24.5		ug/L		98	55 - 145
Styrene	ND	E8	25.0	24.3		ug/L		97	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.3		ug/L		93	57 - 143
Tetrachloroethene	6.0		25.0	29.3		ug/L		93	37 - 150
Toluene	ND	E8	25.0	24.1		ug/L		96	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	23.5		ug/L		94	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	24.8		ug/L		99	57 - 147
Trichloroethene	50		25.0	68.8		ug/L		74	62 - 134
Trichlorofluoromethane	ND	E8	25.0	26.5		ug/L		106	60 - 150
Vinyl acetate	ND	E8	25.0	26.4		ug/L		106	14 - 150
Vinyl chloride	ND	E8	25.0	27.1		ug/L		108	48 - 150
Xylenes, Total	ND	E8	50.0	48.4		ug/L		97	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*115*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 550-130902-A-14 MSD
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.2		ug/L		97	67 - 137	4	35
1,1,1-Trichloroethane	ND	E8	25.0	24.2		ug/L		97	64 - 143	3	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	25.5		ug/L		102	63 - 136	0	35
1,1,2-Trichloroethane	ND	E8	25.0	25.8		ug/L		103	66 - 137	0	35
1,1-Dichloroethane	1.5	E4	25.0	24.6		ug/L		92	70 - 137	3	35
1,1-Dichloroethene	1.9	E4	25.0	24.3		ug/L		89	53 - 150	3	35
1,1-Dichloropropene	ND	E8	25.0	23.5		ug/L		94	58 - 141	3	35
1,2,3-Trichlorobenzene	ND	E8	25.0	26.1		ug/L		104	57 - 144	3	35
1,2,3-Trichloropropane	ND	E8	25.0	24.5		ug/L		98	60 - 138	3	35
1,2,4-Trichlorobenzene	ND	E8	25.0	24.5		ug/L		98	58 - 140	3	35
1,2,4-Trimethylbenzene	ND	E8	25.0	23.4		ug/L		93	50 - 147	4	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.2		ug/L		101	51 - 143	2	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.9		ug/L		104	67 - 136	1	35
1,2-Dichlorobenzene	ND	E8	25.0	23.3		ug/L		93	67 - 131	3	35
1,2-Dichloroethane	ND	E8	25.0	23.7		ug/L		95	58 - 146	3	35
1,2-Dichloropropane	ND	E8	25.0	23.6		ug/L		94	66 - 135	2	35
1,3,5-Trimethylbenzene	ND	E8	25.0	23.5		ug/L		94	50 - 147	3	35
1,3-Dichlorobenzene	ND	E8	25.0	22.9		ug/L		92	68 - 130	3	35
1,3-Dichloropropane	ND	E8	25.0	25.5		ug/L		102	67 - 134	0	35
1,4-Dichlorobenzene	ND	E8	25.0	22.9		ug/L		92	68 - 128	3	35
2,2-Dichloropropane	ND	E8	25.0	19.3		ug/L		77	54 - 150	2	35
2-Butanone (MEK)	ND	E8	25.0	31.5		ug/L		126	10 - 150	2	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130902-A-14 MSD
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	ND	E8	25.0	22.5		ug/L		90	63 - 132	3	35
2-Hexanone	ND	E8	25.0	23.9		ug/L		96	37 - 150	0	35
4-Chlorotoluene	ND	E8	25.0	22.4		ug/L		90	66 - 131	3	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	24.3		ug/L		97	41 - 150	1	35
Acetone	13	E4	25.0	32.4		ug/L		76	10 - 150	1	35
Benzene	ND	E8	25.0	23.8		ug/L		95	54 - 142	3	35
Bromobenzene	ND	E8	25.0	24.0		ug/L		96	69 - 132	3	35
Bromochloromethane	ND	E8	25.0	24.4		ug/L		97	67 - 145	1	35
Bromodichloromethane	ND	E8	25.0	25.1		ug/L		100	61 - 143	1	35
Bromoform	ND	E8	25.0	25.2		ug/L		101	57 - 142	3	35
Bromomethane	ND	E8	25.0	25.0		ug/L		100	56 - 149	1	35
Carbon disulfide	ND	E8	25.0	25.9		ug/L		103	48 - 150	2	35
Carbon tetrachloride	ND	E8	25.0	24.8		ug/L		99	60 - 143	2	35
Chlorobenzene	ND	E8	25.0	24.3		ug/L		97	69 - 129	2	35
Chloroethane	ND	E8	25.0	23.6		ug/L		94	60 - 146	4	35
Chloroform	4.0		25.0	27.7		ug/L		95	69 - 138	4	35
Chloromethane	ND	E8	25.0	23.2		ug/L		93	50 - 150	2	35
cis-1,2-Dichloroethene	7.2		25.0	29.5		ug/L		89	65 - 139	3	35
cis-1,3-Dichloropropene	ND	E8	25.0	24.1		ug/L		96	57 - 145	1	35
Chlorodibromomethane	ND	E8	25.0	24.9		ug/L		100	61 - 143	1	35
Dibromomethane	ND	E8	25.0	25.3		ug/L		101	64 - 138	0	35
Dichlorodifluoromethane	ND	E8	25.0	29.2		ug/L		117	21 - 150	9	35
Ethylbenzene	ND	E8	25.0	23.6		ug/L		94	46 - 149	2	35
Hexachlorobutadiene	ND	E8	25.0	23.4		ug/L		94	49 - 146	3	35
Iodomethane	ND	E8	25.0	26.6		ug/L		106	43 - 150	4	35
Isopropylbenzene	ND	E8	25.0	23.4		ug/L		94	56 - 143	4	35
m,p-Xylenes	ND	E8	25.0	22.9		ug/L		92	52 - 144	5	35
Methylene Chloride	ND	E8	25.0	23.2		ug/L		93	66 - 134	1	35
Methyl tert-butyl ether	ND	E8	25.0	24.2		ug/L		97	56 - 148	1	35
Naphthalene	ND	E8	25.0	27.7		ug/L		111	47 - 150	0	35
n-Butylbenzene	ND	E8	25.0	22.7		ug/L		91	54 - 145	4	35
n-Propylbenzene	ND	E8	25.0	22.9		ug/L		92	54 - 144	3	35
o-Xylene	ND	E8	25.0	23.8		ug/L		95	55 - 143	3	35
p-Isopropyltoluene	ND	E8	25.0	22.8		ug/L		91	53 - 147	4	35
sec-Butylbenzene	ND	E8	25.0	23.5		ug/L		94	55 - 145	4	35
Styrene	ND	E8	25.0	23.7		ug/L		95	21 - 150	2	35
tert-Butylbenzene	ND	E8	25.0	22.7		ug/L		91	57 - 143	3	35
Tetrachloroethene	6.0		25.0	28.6		ug/L		90	37 - 150	2	35
Toluene	ND	E8	25.0	23.3		ug/L		93	56 - 141	3	35
trans-1,2-Dichloroethene	ND	E8	25.0	23.1		ug/L		92	69 - 136	2	35
trans-1,3-Dichloropropene	ND	E8	25.0	24.6		ug/L		98	57 - 147	1	35
Trichloroethene	50		25.0	66.3		ug/L		64	62 - 134	4	35
Trichlorofluoromethane	ND	E8	25.0	25.4		ug/L		102	60 - 150	4	35
Vinyl acetate	ND	E8	25.0	25.0		ug/L		100	14 - 150	6	35
Vinyl chloride	ND	E8	25.0	26.2		ug/L		105	48 - 150	3	35
Xylenes, Total	ND	E8	50.0	46.7		ug/L		93	53 - 145	4	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-130902-A-14 MSD
Matrix: Water
Analysis Batch: 191823

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	115		70 - 130
Toluene-d8 (Surr)	109		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130

QC Association Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

GC/MS VOA

Analysis Batch: 191574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130720-1	Trip Blank	Total/NA	Water	8260B	
550-130720-2	AVB 106-02-20190930	Total/NA	Water	8260B	
550-130720-3	AVB 106-03-20190930	Total/NA	Water	8260B	
550-130720-8	AZZ0-05-20191001	Total/NA	Water	8260B	
MB 550-191574/7	Method Blank	Total/NA	Water	8260B	
LCS 550-191574/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-191574/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130779-B-10 MS	Matrix Spike	Total/NA	Water	8260B	
550-130779-C-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 191679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130720-4	AVB 68-02-20190930	Total/NA	Water	8260B	
550-130720-5	AVB 93-01-20190930	Total/NA	Water	8260B	
550-130720-6	AVB 82-01-20191001	Total/NA	Water	8260B	
550-130720-7	AVB 82-02-20191001	Total/NA	Water	8260B	
550-130720-9	AVB 101-04-20191002	Total/NA	Water	8260B	
MB 550-191679/7	Method Blank	Total/NA	Water	8260B	
LCS 550-191679/1003	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-191679/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130845-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-130845-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 191823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-130720-4	AVB 68-02-20190930	Total/NA	Water	8260B	
550-130720-7	AVB 82-02-20191001	Total/NA	Water	8260B	
550-130720-9	AVB 101-04-20191002	Total/NA	Water	8260B	
MB 550-191823/5	Method Blank	Total/NA	Water	8260B	
LCS 550-191823/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-191823/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-130902-A-14 MS	Matrix Spike	Total/NA	Water	8260B	
550-130902-A-14 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-130720-1

Date Collected: 09/30/19 06:00 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191574	10/07/19 20:09	TC1	TAL PHX

Client Sample ID: AVB 106-02-20190930 — Lab Sample ID: 550-130720-2

Date Collected: 09/30/19 07:18 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191574	10/07/19 20:37	TC1	TAL PHX

Client Sample ID: AVB 106-03-20190930 — Lab Sample ID: 550-130720-3

Date Collected: 09/30/19 07:20 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191574	10/07/19 21:05	TC1	TAL PHX

Client Sample ID: AVB 68-02-20190930 — Lab Sample ID: 550-130720-4

Date Collected: 09/30/19 09:37 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191823	10/09/19 17:42	R1K	TAL PHX
Total/NA	Analysis	8260B		1	191679	10/08/19 13:54	TC1	TAL PHX

Client Sample ID: AVB 93-01-20190930 — Lab Sample ID: 550-130720-5

Date Collected: 09/30/19 14:37 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191679	10/08/19 14:22	TC1	TAL PHX

Client Sample ID: AVB 82-01-20191001 — Lab Sample ID: 550-130720-6

Date Collected: 10/01/19 09:40 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191679	10/08/19 14:50	TC1	TAL PHX

Client Sample ID: AVB 82-02-20191001 — Lab Sample ID: 550-130720-7

Date Collected: 10/01/19 10:00 — **Matrix: Water**
Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191823	10/09/19 18:08	R1K	TAL PHX
Total/NA	Analysis	8260B		1	191679	10/08/19 15:18	TC1	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Client Sample ID: AZZ0-05-20191001

Lab Sample ID: 550-130720-8

Date Collected: 10/01/19 10:45

Matrix: Water

Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191574	10/07/19 21:33	TC1	TAL PHX

Client Sample ID: AVB 101-04-20191002

Lab Sample ID: 550-130720-9

Date Collected: 10/02/19 09:30

Matrix: Water

Date Received: 10/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	191823	10/09/19 18:34	R1K	TAL PHX
Total/NA	Analysis	8260B		1	191679	10/08/19 15:46	TC1	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-130720-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
5030C	Purge and Trap	SW846	TAL PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

130720

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Client Information	Sampler: Roy Lee Ashlock Jr	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.11
Client Contact: Mr. Tom McKeon	Phone: 805-407-0357	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~1 of 20~~ 1 OF 1
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): 7 day Standard			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.neste@calibre.com Roy.ashlock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
				Preservation Code:				A		
-1	Trip Blank	9/30/19	0600	grab	Water			1		
-2	AUB 106-02-20190930	9/30/19	0718		Water			3		
-3	AUB 106-03-20190930	9/30/19	0720		Water			3		
-4	AUB 68-02-20190930	9/30/19	0937		Water			3		
-5	AUB 93-01-20190930	9/30/19	1437		Water			3		
-6	AUB 82-01-20191001	10/1/19	0940		Water			3		
-7	AUB 82-02-20191001	10/1/19	1000		Water			3		
-8	A220-05-20191001	10/1/19	1045		Water			3		
-9	AUB 101-04-20191002	10/2/19	0930		Water			3		
					Water					
					Water					

550-130720 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Ash	10/3/19 0930	Calibre			
				10/3/19 0930	TAPHX

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2

CDO

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Calibre Systems, Inc.

Job Number: 550-130720-1

Login Number: 130720
List Number: 1
Creator: Maycock, Lisa

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

ADEQ QAPP 2017) Partial Data Validation Checklist (from Table D1 of QAPP)
http://static.azdeq.gov/wqarf/qaprp.pdf

West Van Buren Data Package J131570-1, Report Dated 10/15 and 10/16 7 groundwater samples analyzed for volatile organic compounds by EPA Method 8260B
Reviewed by Betty Van Pelt, Matrix Engineering Services, LLC. 11/24/2019

Criteria	**Notes**	**Result**
Holding times	Check Case Narrative	Samples collected on 10/15 to 10/16, delivered to lab on 10/16, therefore met holding times.
Calibration	Check Case Narrative, review calibration data	Calibration met criteria.
Blanks	Check Case Narrative, review blanks data	**Sample** **Analyte** **Results** Trip Blank Styrene 0.17 E4 µg/L Not in associated samples. MB 550-191574 1,2,3-Trichklorobenzene 0.880 Hexachlorobutadiene 1.38 Methylene chloride 1.47 Naphthalene 0.974 n-butylbenzene 0.255 MB 550-191679 Naphthalene 0.552 PDB Blank-20190917 Acetone 82 ug/L Acetone detections B4 qualified.
Surrogate recovery	Check Case Narrative, review surrogate data	Surrogates recovered outside project specific limits in CCVIS (550-193273, 550-193337, and 550-193457) and in the matrix spike (MS and MSD) for batch 550-199273. Data qualified as stated in case narrative.
Matrix spike and matrix spike duplicate recovery	Check Case Narrative, review MS/MSDs	Matrix spike (MS) and matrix spike duplicate (MSD) for batch 550-193337 recovered outside control limits high for the following analytes: Acetone and 2-Butanone (MEK). There were no detections in the associated samples.

Laboratory control sample or blank spike	Check Case Narrative, review LCS and or blank spikes	Criteria met.
Internal standard performance	Check Case Narrative	Internal standards within method criteria.
Field duplicate sample analysis	Calculate relative percent difference for all field dupes	DUP-04-20191015 parent AVB 106-01-20191015. Only detection Acetone in DUP-04-20191015.
Temperature	Check Case Narrative	Samples received at 5 degrees C, below the criteria of 4 degrees C. All data Q6 qualified. (Current method criteria is < 6 degrees C.)
Overall assessment of data for an SDG	Any reason to reject data or perform full validation?	The data are acceptable for site characterization purposes.

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ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-131570-1
Client Project/Site: West Van Buren

For:
Calibre Systems, Inc.
16935 South East 39th Street
Bellevue, Washington 98008

Attn: Mr. Tom McKeon

Authorized for release by:
10/29/2019 4:36:59 PM

Mary Charlson, Project Manager I
(602)437-3340
mary.charlson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 9
Surrogate Summary 40
QC Sample Results 41
QC Association Summary 66
Lab Chronicle 67
Certification Summary 70
Method Summary 71
Chain of Custody 72
Receipt Checklists 74

Definitions/Glossary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
N1	See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 550-131570-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-131570-1

Comments
No additional comments.

Receipt
The samples were received on 10/16/2019 11:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0º C.

GC/MS VOA
Method 8260B: The surrogate Dibromofluoromethane recovered outside control limits the CCVIS for batch 550-193273, but within method control limits. Data has not been impacted: (CCVIS 550-193273/7).

Method 8260B: The surrogate Dibromofluoromethane recovered outside control limits the CCVIS for batch 550-193337, but within method control limits. Data has not been impacted: (CCVIS 550-193337/2).

Method 8260B: The surrogate Dibromofluoromethane recovered outside control limits the CCVIS for batch 550-193457, but within method control limits. Data has not been impacted: (CCVIS 550-193457/4)

Method 8260B: Surrogate recovery for Dibromofluoromethane in the matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 550-193273 above the upper control limits: (550-131432-A-3 MS) and (550-131432-A-3 MSD). All other QC recovered within limits; therefore, re-extraction and/or re-analysis was not performed. The surrogate was flagged with an N1 qualifier: (550-131432-A-3 MS) and (550-131432-A-3 MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-131570-1	Trip Blank	Water	10/15/19 07:00	10/16/19 11:36	
550-131570-2	Dup-04-20191015	Water	10/15/19 08:00	10/16/19 11:36	
550-131570-3	AVB74-01-20191015	Water	10/15/19 08:25	10/16/19 11:36	
550-131570-4	AVB60-01-20191015	Water	10/15/19 09:10	10/16/19 11:36	
550-131570-5	AVB61-01-20191015	Water	10/15/19 09:30	10/16/19 11:36	
550-131570-6	AVB10-02-20191015	Water	10/15/19 11:45	10/16/19 11:36	
550-131570-7	AVB108-02-20191015	Water	10/15/19 13:20	10/16/19 11:36	
550-131570-8	AVB145-01-20191015	Water	10/15/19 14:00	10/16/19 11:36	
550-131570-9	AVB143-01-20191015	Water	10/15/19 15:10	10/16/19 11:36	
550-131570-10	AVB131-02-20191015	Water	10/15/19 15:30	10/16/19 11:36	
550-131570-11	AVB12-01-20191015	Water	10/15/19 16:00	10/16/19 11:36	
550-131570-12	AVB106-01-20191015	Water	10/15/19 16:30	10/16/19 11:36	
550-131570-13	PDB Blank-20191016	Water	10/16/19 09:30	10/16/19 11:36	
550-131570-14	DIMW-7A-20191016	Water	10/16/19 07:25	10/16/19 11:36	
550-131570-15	DIMW-6A-20191016	Water	10/16/19 07:55	10/16/19 11:36	
550-131570-16	DIMW-5A-20191016	Water	10/16/19 08:20	10/16/19 11:36	
550-131570-17	DIMW-8D-20191016	Water	10/16/19 08:45	10/16/19 11:36	
550-131570-18	DIMW-9D-20191016	Water	10/16/19 09:10	10/16/19 11:36	
550-131570-19	AVB140-01-20191015	Water	10/15/19 14:45	10/16/19 11:36	

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-131570-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Styrene	0.17	E4	2.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: Dup-04-20191015 — Lab Sample ID: 550-131570-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	1.3	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.78	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	8.7		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB74-01-20191015 — Lab Sample ID: 550-131570-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.74	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.45	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.42	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB60-01-20191015 — Lab Sample ID: 550-131570-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	31		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB61-01-20191015 — Lab Sample ID: 550-131570-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB10-02-20191015 — Lab Sample ID: 550-131570-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	45		20	7.3	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.3		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	0.83	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB108-02-20191015 — Lab Sample ID: 550-131570-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	6.5		2.0	0.13	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	1.0	E4	5.0	0.15	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.8	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB145-01-20191015 — Lab Sample ID: 550-131570-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.75	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.5		2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.1	E4	2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB143-01-20191015 — Lab Sample ID: 550-131570-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	51		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.55	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.0	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.9		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB131-02-20191015 — Lab Sample ID: 550-131570-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	47		20	7.3	ug/L	1		8260B	Total/NA
Bromodichloromethane	0.35	E4	2.0	0.23	ug/L	1		8260B	Total/NA
Chloroform	3.8		2.0	0.13	ug/L	1		8260B	Total/NA
Chlorodibromomethane	0.35	E4	2.0	0.22	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.7	E4	2.0	0.18	ug/L	1		8260B	Total/NA

Client Sample ID: AVB12-01-20191015 — Lab Sample ID: 550-131570-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.49	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.47	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Toluene	0.32	E4	2.0	0.28	ug/L	1		8260B	Total/NA
Trichloroethene	2.3		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB106-01-20191015 — Lab Sample ID: 550-131570-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	45		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	1.3	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Styrene	0.21	E4	2.0	0.17	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.87	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	9.0		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: PDB Blank-20191016 — Lab Sample ID: 550-131570-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	48		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: DIMW-7A-20191016 — Lab Sample ID: 550-131570-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	46		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.59	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.9	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.8		2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: DIMW-6A-20191016 — Lab Sample ID: 550-131570-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.66	E4	5.0	0.23	ug/L	1		8260B	Total/NA
Acetone	43		20	7.3	ug/L	1		8260B	Total/NA
Chloroform	0.32	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Chloromethane	0.51	E4	5.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.9	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	2.4		2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: DIMW-5A-20191016 — Lab Sample ID: 550-131570-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: DIMW-8D-20191016 — Lab Sample ID: 550-131570-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	58		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: DIMW-9D-20191016 — Lab Sample ID: 550-131570-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.4	E4	10	2.2	ug/L	1		8260B	Total/NA
Acetone	60		20	7.3	ug/L	1		8260B	Total/NA

Client Sample ID: AVB140-01-20191015 — Lab Sample ID: 550-131570-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	53		20	7.3	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: Trip Blank

Lab Sample ID: 550-131570-1

Date Collected: 10/15/19 07:00

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 04:17	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 04:17	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 04:17	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 04:17	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 04:17	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 04:17	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 04:17	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 04:17	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 04:17	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 04:17	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 04:17	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 04:17	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 04:17	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 04:17	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 04:17	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 04:17	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 04:17	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 04:17	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 04:17	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 04:17	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 04:17	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 04:17	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 04:17	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 04:17	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 04:17	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 04:17	1
Acetone	ND	E8 V1	20	7.3	ug/L			10/24/19 04:17	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 04:17	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 04:17	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 04:17	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 04:17	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 04:17	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 04:17	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 04:17	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 04:17	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 04:17	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 04:17	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 04:17	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 04:17	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 04:17	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 04:17	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 04:17	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 04:17	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 04:17	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 04:17	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 04:17	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 04:17	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 04:17	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 04:17	1

Client Sample ID: Trip Blank

Lab Sample ID: 550-131570-1

Date Collected: 10/15/19 07:00
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 04:17	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 04:17	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 04:17	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 04:17	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 04:17	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 04:17	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 04:17	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 04:17	1
Styrene	**0.17**	**E4**	2.0	0.17	ug/L			10/24/19 04:17	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 04:17	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 04:17	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 04:17	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 04:17	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 04:17	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 04:17	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 04:17	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 04:17	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 04:17	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*10/24/19 04:17*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/24/19 04:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*10/24/19 04:17*	*1*

Client Sample ID: Dup-04-20191015

Lab Sample ID: 550-131570-2

Date Collected: 10/15/19 08:00
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 04:43	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 04:43	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 04:43	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 04:43	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 04:43	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 04:43	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 04:43	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 04:43	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 04:43	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 04:43	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 04:43	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 04:43	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 04:43	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 04:43	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 04:43	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 04:43	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 04:43	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 04:43	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 04:43	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: Dup-04-20191015

Lab Sample ID: 550-131570-2

Date Collected: 10/15/19 08:00

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 04:43	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 04:43	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 04:43	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 04:43	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 04:43	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 04:43	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 04:43	1
Acetone	**43**		20	7.3	ug/L			10/25/19 14:18	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 04:43	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 04:43	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 04:43	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 04:43	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 04:43	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 04:43	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 04:43	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 04:43	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 04:43	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 04:43	1
Chloroform	**1.3**	**E4**	2.0	0.13	ug/L			10/24/19 04:43	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 04:43	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 04:43	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 04:43	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 04:43	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 04:43	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 04:43	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 04:43	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 04:43	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 04:43	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 04:43	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 04:43	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 04:43	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 04:43	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 04:43	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 04:43	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 04:43	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 04:43	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 04:43	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 04:43	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 04:43	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 04:43	1
Tetrachloroethene	**0.78**	**E4**	2.0	0.18	ug/L			10/24/19 04:43	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 04:43	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 04:43	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 04:43	1
Trichloroethene	**8.7**		2.0	0.24	ug/L			10/24/19 04:43	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 04:43	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 04:43	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 04:43	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 04:43	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: Dup-04-20191015

Lab Sample ID: 550-131570-2

Date Collected: 10/15/19 08:00
Matrix: Water
Date Received: 10/16/19 11:36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*10/24/19 04:43*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/25/19 14:18*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/24/19 04:43*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*10/25/19 14:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 04:43*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*10/25/19 14:18*	*1*

Client Sample ID: AVB74-01-20191015

Lab Sample ID: 550-131570-3

Date Collected: 10/15/19 08:25
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 05:10	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 05:10	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 05:10	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 05:10	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 05:10	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 05:10	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 05:10	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 05:10	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 05:10	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 05:10	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 05:10	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 05:10	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 05:10	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 05:10	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 05:10	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 05:10	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 05:10	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 05:10	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 05:10	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 05:10	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 05:10	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 05:10	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 05:10	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 05:10	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 05:10	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 05:10	1
Acetone	**41**		20	7.3	ug/L			10/25/19 14:45	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 05:10	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 05:10	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 05:10	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 05:10	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 05:10	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 05:10	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 05:10	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 05:10	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 05:10	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 05:10	1

Client Sample ID: AVB74-01-20191015

Lab Sample ID: 550-131570-3

Date Collected: 10/15/19 08:25

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**0.74**	**E4**	2.0	0.13	ug/L			10/24/19 05:10	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 05:10	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 05:10	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 05:10	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 05:10	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 05:10	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 05:10	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 05:10	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 05:10	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 05:10	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 05:10	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 05:10	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 05:10	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 05:10	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 05:10	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 05:10	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 05:10	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 05:10	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 05:10	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 05:10	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 05:10	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 05:10	1
Tetrachloroethene	**0.45**	**E4**	2.0	0.18	ug/L			10/24/19 05:10	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 05:10	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 05:10	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 05:10	1
Trichloroethene	**0.42**	**E4**	2.0	0.24	ug/L			10/24/19 05:10	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 05:10	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 05:10	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 05:10	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/24/19 05:10*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*10/25/19 14:45*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/24/19 05:10*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*10/25/19 14:45*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 05:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*10/25/19 14:45*	*1*

Client Sample ID: AVB60-01-20191015

Lab Sample ID: 550-131570-4

Date Collected: 10/15/19 09:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 05:37	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 05:37	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 05:37	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 05:37	1

Client Sample ID: AVB60-01-20191015

Lab Sample ID: 550-131570-4

Date Collected: 10/15/19 09:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 05:37	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 05:37	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 05:37	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 05:37	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 05:37	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 05:37	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 05:37	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 05:37	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 05:37	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 05:37	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 05:37	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 05:37	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 05:37	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 05:37	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 05:37	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 05:37	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 05:37	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 05:37	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 05:37	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 05:37	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 05:37	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 05:37	1
Acetone	**31**		20	7.3	ug/L			10/25/19 15:11	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 05:37	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 05:37	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 05:37	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 05:37	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 05:37	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 05:37	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 05:37	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 05:37	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 05:37	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 05:37	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 05:37	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 05:37	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 05:37	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 05:37	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 05:37	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 05:37	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 05:37	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 05:37	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 05:37	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 05:37	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 05:37	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 05:37	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 05:37	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 05:37	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 05:37	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 05:37	1

Client Sample ID: AVB60-01-20191015

Lab Sample ID: 550-131570-4

Date Collected: 10/15/19 09:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 05:37	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 05:37	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 05:37	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 05:37	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 05:37	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 05:37	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 05:37	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 05:37	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 05:37	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 05:37	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 05:37	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 05:37	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 05:37	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 05:37	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/24/19 05:37*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*10/25/19 15:11*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/24/19 05:37*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/25/19 15:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 05:37*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*10/25/19 15:11*	*1*

Client Sample ID: AVB61-01-20191015

Lab Sample ID: 550-131570-5

Date Collected: 10/15/19 09:30

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 06:03	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 06:03	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 06:03	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 06:03	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 06:03	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 06:03	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 06:03	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 06:03	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 06:03	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 06:03	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 06:03	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 06:03	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 06:03	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 06:03	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 06:03	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 06:03	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 06:03	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 06:03	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 06:03	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 06:03	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB61-01-20191015

Lab Sample ID: 550-131570-5

Date Collected: 10/15/19 09:30

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 06:03	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 06:03	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 06:03	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 06:03	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 06:03	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 06:03	1
Acetone	**32**		20	7.3	ug/L			10/25/19 15:38	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 06:03	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 06:03	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 06:03	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 06:03	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 06:03	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 06:03	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 06:03	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 06:03	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 06:03	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 06:03	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 06:03	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 06:03	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 06:03	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 06:03	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 06:03	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 06:03	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 06:03	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 06:03	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 06:03	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 06:03	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 06:03	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 06:03	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 06:03	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 06:03	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 06:03	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 06:03	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 06:03	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 06:03	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 06:03	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 06:03	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 06:03	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 06:03	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 06:03	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 06:03	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 06:03	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 06:03	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 06:03	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 06:03	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 06:03	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 06:03	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 06:03	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB61-01-20191015

Lab Sample ID: 550-131570-5

Date Collected: 10/15/19 09:30
Matrix: Water
Date Received: 10/16/19 11:36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/24/19 06:03*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*10/25/19 15:38*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/24/19 06:03*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*10/25/19 15:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*10/24/19 06:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*10/25/19 15:38*	*1*

Client Sample ID: AVB10-02-20191015

Lab Sample ID: 550-131570-6

Date Collected: 10/15/19 11:45
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 06:30	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 06:30	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 06:30	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 06:30	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 06:30	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 06:30	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 06:30	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 06:30	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 06:30	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 06:30	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 06:30	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 06:30	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 06:30	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 06:30	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 06:30	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 06:30	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 06:30	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 06:30	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 06:30	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 06:30	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 06:30	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 06:30	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 06:30	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 06:30	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 06:30	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 06:30	1
Acetone	**45**		20	7.3	ug/L			10/25/19 16:04	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 06:30	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 06:30	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 06:30	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 06:30	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 06:30	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 06:30	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 06:30	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 06:30	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 06:30	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 06:30	1

Client Sample ID: AVB10-02-20191015

Lab Sample ID: 550-131570-6

Date Collected: 10/15/19 11:45

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 06:30	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 06:30	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 06:30	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 06:30	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 06:30	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 06:30	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 06:30	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 06:30	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 06:30	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 06:30	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 06:30	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 06:30	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 06:30	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 06:30	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 06:30	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 06:30	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 06:30	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 06:30	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 06:30	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 06:30	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 06:30	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 06:30	1
Tetrachloroethene	**2.3**		2.0	0.18	ug/L			10/24/19 06:30	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 06:30	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 06:30	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 06:30	1
Trichloroethene	**0.83**	**E4**	2.0	0.24	ug/L			10/24/19 06:30	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 06:30	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 06:30	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 06:30	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/24/19 06:30*	*1*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*10/25/19 16:04*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/24/19 06:30*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/25/19 16:04*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 06:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/25/19 16:04*	*1*

Client Sample ID: AVB108-02-20191015

Lab Sample ID: 550-131570-7

Date Collected: 10/15/19 13:20

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 06:56	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 06:56	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 06:56	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 06:56	1

Client Sample ID: AVB108-02-20191015

Lab Sample ID: 550-131570-7

Date Collected: 10/15/19 13:20

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 06:56	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 06:56	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 06:56	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 06:56	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 06:56	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 06:56	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 06:56	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 06:56	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 06:56	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 06:56	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 06:56	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 06:56	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 06:56	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 06:56	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 06:56	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 06:56	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 06:56	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 06:56	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 06:56	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 06:56	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 06:56	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 06:56	1
Acetone	**32**		20	7.3	ug/L			10/25/19 16:31	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 06:56	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 06:56	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 06:56	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 06:56	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 06:56	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 06:56	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 06:56	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 06:56	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 06:56	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 06:56	1
Chloroform	**6.5**		2.0	0.13	ug/L			10/24/19 06:56	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 06:56	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 06:56	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 06:56	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 06:56	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 06:56	1
Dichlorodifluoromethane	**1.0**	**E4**	5.0	0.15	ug/L			10/24/19 06:56	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 06:56	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 06:56	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 06:56	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 06:56	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 06:56	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 06:56	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 06:56	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 06:56	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 06:56	1

Client Sample ID: AVB108-02-20191015

Lab Sample ID: 550-131570-7

Date Collected: 10/15/19 13:20

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 06:56	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 06:56	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 06:56	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 06:56	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 06:56	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 06:56	1
Tetrachloroethene	**1.1**	**E4**	2.0	0.18	ug/L			10/24/19 06:56	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 06:56	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 06:56	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 06:56	1
Trichloroethene	**1.8**	**E4**	2.0	0.24	ug/L			10/24/19 06:56	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 06:56	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 06:56	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 06:56	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*10/24/19 06:56*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 130*		*10/25/19 16:31*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/24/19 06:56*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*10/25/19 16:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/24/19 06:56*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/25/19 16:31*	*1*

Client Sample ID: AVB145-01-20191015

Lab Sample ID: 550-131570-8

Date Collected: 10/15/19 14:00

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 07:23	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 07:23	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 07:23	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 07:23	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 07:23	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 07:23	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 07:23	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 07:23	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 07:23	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 07:23	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 07:23	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 07:23	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 07:23	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 07:23	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 07:23	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 07:23	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 07:23	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 07:23	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 07:23	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 07:23	1

Client Sample ID: AVB145-01-20191015

Lab Sample ID: 550-131570-8

Date Collected: 10/15/19 14:00

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 07:23	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 07:23	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 07:23	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 07:23	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 07:23	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 07:23	1
Acetone	**41**		20	7.3	ug/L			10/25/19 16:57	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 07:23	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 07:23	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 07:23	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 07:23	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 07:23	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 07:23	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 07:23	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 07:23	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 07:23	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 07:23	1
Chloroform	**0.75**	**E4**	2.0	0.13	ug/L			10/24/19 07:23	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 07:23	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 07:23	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 07:23	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 07:23	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 07:23	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 07:23	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 07:23	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 07:23	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 07:23	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 07:23	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 07:23	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 07:23	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 07:23	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 07:23	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 07:23	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 07:23	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 07:23	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 07:23	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 07:23	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 07:23	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 07:23	1
Tetrachloroethene	**2.5**		2.0	0.18	ug/L			10/24/19 07:23	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 07:23	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 07:23	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 07:23	1
Trichloroethene	**1.1**	**E4**	2.0	0.24	ug/L			10/24/19 07:23	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 07:23	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 07:23	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 07:23	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 07:23	1

Client Sample ID: AVB145-01-20191015

Lab Sample ID: 550-131570-8

Date Collected: 10/15/19 14:00

Matrix: Water

Date Received: 10/16/19 11:36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/24/19 07:23*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*10/25/19 16:57*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/24/19 07:23*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/25/19 16:57*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/24/19 07:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*10/25/19 16:57*	*1*

Client Sample ID: AVB143-01-20191015

Lab Sample ID: 550-131570-9

Date Collected: 10/15/19 15:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 07:49	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 07:49	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 07:49	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 07:49	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 07:49	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 07:49	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 07:49	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 07:49	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 07:49	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 07:49	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 07:49	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 07:49	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 07:49	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 07:49	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 07:49	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 07:49	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 07:49	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 07:49	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 07:49	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 07:49	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 07:49	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 07:49	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 07:49	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 07:49	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 07:49	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 07:49	1
Acetone	**51**		20	7.3	ug/L			10/25/19 17:24	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 07:49	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 07:49	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 07:49	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 07:49	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 07:49	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 07:49	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 07:49	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 07:49	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 07:49	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 07:49	1

Client Sample ID: AVB143-01-20191015

Lab Sample ID: 550-131570-9

Date Collected: 10/15/19 15:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**0.55**	**E4**	2.0	0.13	ug/L			10/24/19 07:49	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 07:49	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 07:49	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 07:49	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 07:49	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 07:49	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 07:49	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 07:49	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 07:49	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 07:49	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 07:49	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 07:49	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 07:49	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 07:49	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 07:49	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 07:49	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 07:49	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 07:49	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 07:49	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 07:49	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 07:49	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 07:49	1
Tetrachloroethene	**1.0**	**E4**	2.0	0.18	ug/L			10/24/19 07:49	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 07:49	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 07:49	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 07:49	1
Trichloroethene	**2.9**		2.0	0.24	ug/L			10/24/19 07:49	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 07:49	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 07:49	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 07:49	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/24/19 07:49*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*		*10/25/19 17:24*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/24/19 07:49*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/25/19 17:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/24/19 07:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/25/19 17:24*	*1*

Client Sample ID: AVB131-02-20191015

Lab Sample ID: 550-131570-10

Date Collected: 10/15/19 15:30

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 08:16	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 08:16	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 08:16	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 08:16	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB131-02-20191015

Lab Sample ID: 550-131570-10

Date Collected: 10/15/19 15:30
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 08:16	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 08:16	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 08:16	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 08:16	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 08:16	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 08:16	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 08:16	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 08:16	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 08:16	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 08:16	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 08:16	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 08:16	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 08:16	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 08:16	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 08:16	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 08:16	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 08:16	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 08:16	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 08:16	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 08:16	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 08:16	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 08:16	1
Acetone	**47**		20	7.3	ug/L			10/25/19 17:50	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 08:16	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 08:16	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 08:16	1
Bromodichloromethane	**0.35**	**E4**	2.0	0.23	ug/L			10/24/19 08:16	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 08:16	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 08:16	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 08:16	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 08:16	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 08:16	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 08:16	1
Chloroform	**3.8**		2.0	0.13	ug/L			10/24/19 08:16	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 08:16	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 08:16	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 08:16	1
Chlorodibromomethane	**0.35**	**E4**	2.0	0.22	ug/L			10/24/19 08:16	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 08:16	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 08:16	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 08:16	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 08:16	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 08:16	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 08:16	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 08:16	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 08:16	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 08:16	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 08:16	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 08:16	1

Client Sample ID: AVB131-02-20191015

Lab Sample ID: 550-131570-10

Date Collected: 10/15/19 15:30

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 08:16	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 08:16	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 08:16	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 08:16	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 08:16	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 08:16	1
Tetrachloroethene	**1.7**	**E4**	2.0	0.18	ug/L			10/24/19 08:16	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 08:16	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 08:16	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 08:16	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 08:16	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 08:16	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 08:16	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 08:16	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*70 - 130*		*10/24/19 08:16*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*10/25/19 17:50*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/24/19 08:16*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/25/19 17:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*10/24/19 08:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*10/25/19 17:50*	*1*

Client Sample ID: AVB12-01-20191015

Lab Sample ID: 550-131570-11

Date Collected: 10/15/19 16:00

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 08:42	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 08:42	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 08:42	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 08:42	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 08:42	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 08:42	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 08:42	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 08:42	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 08:42	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 08:42	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 08:42	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 08:42	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 08:42	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 08:42	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 08:42	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 08:42	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 08:42	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 08:42	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 08:42	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 08:42	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB12-01-20191015

Lab Sample ID: 550-131570-11

Date Collected: 10/15/19 16:00

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 08:42	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/24/19 08:42	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 08:42	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 08:42	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 08:42	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 08:42	1
Acetone	**37**		20	7.3	ug/L			10/25/19 18:17	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 08:42	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 08:42	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 08:42	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 08:42	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 08:42	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 08:42	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 08:42	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 08:42	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 08:42	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 08:42	1
Chloroform	**0.49**	**E4**	2.0	0.13	ug/L			10/24/19 08:42	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 08:42	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 08:42	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 08:42	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 08:42	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 08:42	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 08:42	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 08:42	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 08:42	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 08:42	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 08:42	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 08:42	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 08:42	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 08:42	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 08:42	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 08:42	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 08:42	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 08:42	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 08:42	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 08:42	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 08:42	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 08:42	1
Tetrachloroethene	**0.47**	**E4**	2.0	0.18	ug/L			10/24/19 08:42	1
Toluene	**0.32**	**E4**	2.0	0.28	ug/L			10/24/19 08:42	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 08:42	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 08:42	1
Trichloroethene	**2.3**		2.0	0.24	ug/L			10/24/19 08:42	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 08:42	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 08:42	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 08:42	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 08:42	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB12-01-20191015

Lab Sample ID: 550-131570-11

Date Collected: 10/15/19 16:00
Matrix: Water
Date Received: 10/16/19 11:36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/24/19 08:42*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*10/25/19 18:17*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/24/19 08:42*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/25/19 18:17*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/24/19 08:42*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/25/19 18:17*	*1*

Client Sample ID: AVB106-01-20191015

Lab Sample ID: 550-131570-12

Date Collected: 10/15/19 16:30
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 13:23	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 13:23	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 13:23	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 13:23	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 13:23	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 13:23	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 13:23	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 13:23	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 13:23	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 13:23	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 13:23	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 13:23	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 13:23	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 13:23	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 13:23	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 13:23	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 13:23	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 13:23	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 13:23	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 13:23	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 13:23	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 13:23	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 13:23	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 13:23	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 13:23	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 13:23	1
Acetone	**45**		20	7.3	ug/L			10/24/19 13:23	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 13:23	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 13:23	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 13:23	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 13:23	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 13:23	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 13:23	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 13:23	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 13:23	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 13:23	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 13:23	1

Client Sample ID: AVB106-01-20191015

Lab Sample ID: 550-131570-12

Date Collected: 10/15/19 16:30
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**1.3**	**E4**	2.0	0.13	ug/L			10/24/19 13:23	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 13:23	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 13:23	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 13:23	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 13:23	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 13:23	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 13:23	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 13:23	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 13:23	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 13:23	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 13:23	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 13:23	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 13:23	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 13:23	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 13:23	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 13:23	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 13:23	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 13:23	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 13:23	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 13:23	1
Styrene	**0.21**	**E4**	2.0	0.17	ug/L			10/24/19 13:23	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 13:23	1
Tetrachloroethene	**0.87**	**E4**	2.0	0.18	ug/L			10/24/19 13:23	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 13:23	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 13:23	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 13:23	1
Trichloroethene	**9.0**		2.0	0.24	ug/L			10/24/19 13:23	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 13:23	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 13:23	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 13:23	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*10/24/19 13:23*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/24/19 13:23*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/24/19 13:23*	*1*

Client Sample ID: PDB Blank-20191016

Lab Sample ID: 550-131570-13

Date Collected: 10/16/19 09:30
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 13:50	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 13:50	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 13:50	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 13:50	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 13:50	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 13:50	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 13:50	1

Client Sample ID: PDB Blank-20191016

Lab Sample ID: 550-131570-13

Date Collected: 10/16/19 09:30

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 13:50	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 13:50	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 13:50	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 13:50	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 13:50	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 13:50	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 13:50	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 13:50	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 13:50	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 13:50	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 13:50	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 13:50	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 13:50	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 13:50	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 13:50	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 13:50	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 13:50	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 13:50	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 13:50	1
Acetone	**48**		20	7.3	ug/L			10/24/19 13:50	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 13:50	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 13:50	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 13:50	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 13:50	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 13:50	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 13:50	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 13:50	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 13:50	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 13:50	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 13:50	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 13:50	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 13:50	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 13:50	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 13:50	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 13:50	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 13:50	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 13:50	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 13:50	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 13:50	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 13:50	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 13:50	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 13:50	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 13:50	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 13:50	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 13:50	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 13:50	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 13:50	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 13:50	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 13:50	1

Client Sample ID: PDB Blank-20191016

Lab Sample ID: 550-131570-13

Date Collected: 10/16/19 09:30
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 13:50	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 13:50	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 13:50	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 13:50	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 13:50	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 13:50	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 13:50	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 13:50	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 13:50	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 13:50	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 13:50	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/24/19 13:50*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/24/19 13:50*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 13:50*	*1*

Client Sample ID: DIMW-7A-20191016

Lab Sample ID: 550-131570-14

Date Collected: 10/16/19 07:25
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 14:17	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 14:17	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 14:17	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 14:17	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 14:17	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 14:17	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 14:17	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 14:17	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 14:17	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 14:17	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 14:17	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 14:17	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 14:17	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 14:17	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 14:17	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 14:17	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 14:17	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 14:17	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 14:17	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 14:17	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 14:17	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 14:17	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 14:17	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 14:17	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 14:17	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 14:17	1

Client Sample ID: DIMW-7A-20191016

Lab Sample ID: 550-131570-14

Date Collected: 10/16/19 07:25

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**46**		20	7.3	ug/L			10/24/19 14:17	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 14:17	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 14:17	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 14:17	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 14:17	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 14:17	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 14:17	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 14:17	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 14:17	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 14:17	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 14:17	1
Chloroform	**0.59**	**E4**	2.0	0.13	ug/L			10/24/19 14:17	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 14:17	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 14:17	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 14:17	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 14:17	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 14:17	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 14:17	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 14:17	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 14:17	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 14:17	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 14:17	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 14:17	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 14:17	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 14:17	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 14:17	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 14:17	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 14:17	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 14:17	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 14:17	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 14:17	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 14:17	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 14:17	1
Tetrachloroethene	**1.9**	**E4**	2.0	0.18	ug/L			10/24/19 14:17	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 14:17	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 14:17	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 14:17	1
Trichloroethene	**2.8**		2.0	0.24	ug/L			10/24/19 14:17	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 14:17	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 14:17	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 14:17	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*10/24/19 14:17*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/24/19 14:17*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 14:17*	*1*

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: DIMW-6A-20191016

Lab Sample ID: 550-131570-15

Date Collected: 10/16/19 07:55

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 14:43	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 14:43	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 14:43	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 14:43	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 14:43	1
1,1-Dichloroethene	**0.66**	**E4**	5.0	0.23	ug/L			10/24/19 14:43	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 14:43	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 14:43	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 14:43	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 14:43	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 14:43	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 14:43	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 14:43	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 14:43	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 14:43	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 14:43	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 14:43	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 14:43	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 14:43	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 14:43	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 14:43	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 14:43	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 14:43	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 14:43	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 14:43	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 14:43	1
Acetone	**43**		20	7.3	ug/L			10/24/19 14:43	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 14:43	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 14:43	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 14:43	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 14:43	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 14:43	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 14:43	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 14:43	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 14:43	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 14:43	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 14:43	1
Chloroform	**0.32**	**E4**	2.0	0.13	ug/L			10/24/19 14:43	1
Chloromethane	**0.51**	**E4**	5.0	0.21	ug/L			10/24/19 14:43	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 14:43	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 14:43	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 14:43	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 14:43	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 14:43	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 14:43	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 14:43	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 14:43	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 14:43	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 14:43	1

Client Sample ID: DIMW-6A-20191016

Lab Sample ID: 550-131570-15

Date Collected: 10/16/19 07:55

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 14:43	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 14:43	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 14:43	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 14:43	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 14:43	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 14:43	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 14:43	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 14:43	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 14:43	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 14:43	1
Tetrachloroethene	**1.9**	**E4**	2.0	0.18	ug/L			10/24/19 14:43	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 14:43	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 14:43	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 14:43	1
Trichloroethene	**2.4**		2.0	0.24	ug/L			10/24/19 14:43	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 14:43	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 14:43	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 14:43	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/24/19 14:43*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/24/19 14:43*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/24/19 14:43*	*1*

Client Sample ID: DIMW-5A-20191016

Lab Sample ID: 550-131570-16

Date Collected: 10/16/19 08:20

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 15:10	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 15:10	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 15:10	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 15:10	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 15:10	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 15:10	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 15:10	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 15:10	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 15:10	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 15:10	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 15:10	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 15:10	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 15:10	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 15:10	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 15:10	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 15:10	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 15:10	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 15:10	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 15:10	1

Client Sample ID: DIMW-5A-20191016

Lab Sample ID: 550-131570-16

Date Collected: 10/16/19 08:20

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 15:10	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 15:10	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 15:10	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 15:10	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 15:10	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 15:10	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 15:10	1
Acetone	**41**		20	7.3	ug/L			10/24/19 15:10	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 15:10	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 15:10	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 15:10	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 15:10	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 15:10	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 15:10	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 15:10	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 15:10	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 15:10	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 15:10	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 15:10	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 15:10	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 15:10	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 15:10	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 15:10	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 15:10	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 15:10	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 15:10	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 15:10	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 15:10	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 15:10	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 15:10	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 15:10	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 15:10	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 15:10	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 15:10	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 15:10	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 15:10	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 15:10	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 15:10	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 15:10	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 15:10	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 15:10	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 15:10	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 15:10	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 15:10	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 15:10	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 15:10	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 15:10	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 15:10	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 15:10	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: DIMW-5A-20191016

Lab Sample ID: 550-131570-16

Date Collected: 10/16/19 08:20
Matrix: Water
Date Received: 10/16/19 11:36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/24/19 15:10*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/24/19 15:10*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/24/19 15:10*	*1*

Client Sample ID: DIMW-8D-20191016

Lab Sample ID: 550-131570-17

Date Collected: 10/16/19 08:45
Matrix: Water
Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 15:36	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 15:36	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 15:36	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 15:36	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 15:36	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 15:36	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 15:36	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 15:36	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 15:36	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 15:36	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 15:36	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 15:36	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 15:36	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 15:36	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 15:36	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 15:36	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 15:36	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 15:36	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 15:36	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 15:36	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 15:36	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 15:36	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 15:36	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 15:36	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 15:36	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 15:36	1
Acetone	**58**		20	7.3	ug/L			10/24/19 15:36	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 15:36	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 15:36	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 15:36	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 15:36	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 15:36	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 15:36	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 15:36	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 15:36	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 15:36	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 15:36	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 15:36	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 15:36	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 15:36	1

Client Sample ID: DIMW-8D-20191016

Lab Sample ID: 550-131570-17

Date Collected: 10/16/19 08:45

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 15:36	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 15:36	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 15:36	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 15:36	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 15:36	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 15:36	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 15:36	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 15:36	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 15:36	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 15:36	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 15:36	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 15:36	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 15:36	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 15:36	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 15:36	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 15:36	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 15:36	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 15:36	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 15:36	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 15:36	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 15:36	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 15:36	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 15:36	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 15:36	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 15:36	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 15:36	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 15:36	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*10/24/19 15:36*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/24/19 15:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/24/19 15:36*	*1*

Client Sample ID: DIMW-9D-20191016

Lab Sample ID: 550-131570-18

Date Collected: 10/16/19 09:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 16:02	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 16:02	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 16:02	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 16:02	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 16:02	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 16:02	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 16:02	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 16:02	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 16:02	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 16:02	1

Client Sample ID: DIMW-9D-20191016

Lab Sample ID: 550-131570-18

Date Collected: 10/16/19 09:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 16:02	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 16:02	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 16:02	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 16:02	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 16:02	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 16:02	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 16:02	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 16:02	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 16:02	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 16:02	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 16:02	1
2-Butanone (MEK)	**6.4**	**E4**	10	2.2	ug/L			10/24/19 16:02	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 16:02	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 16:02	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 16:02	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 16:02	1
Acetone	**60**		20	7.3	ug/L			10/24/19 16:02	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 16:02	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 16:02	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 16:02	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 16:02	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 16:02	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 16:02	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 16:02	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 16:02	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 16:02	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 16:02	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 16:02	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 16:02	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 16:02	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 16:02	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 16:02	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 16:02	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 16:02	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 16:02	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 16:02	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 16:02	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 16:02	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 16:02	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 16:02	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 16:02	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 16:02	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 16:02	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 16:02	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 16:02	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 16:02	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 16:02	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 16:02	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 16:02	1

Client Sample ID: DIMW-9D-20191016

Lab Sample ID: 550-131570-18

Date Collected: 10/16/19 09:10

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 16:02	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 16:02	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 16:02	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 16:02	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 16:02	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 16:02	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 16:02	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 16:02	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*10/24/19 16:02*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/24/19 16:02*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/24/19 16:02*	*1*

Client Sample ID: AVB140-01-20191015

Lab Sample ID: 550-131570-19

Date Collected: 10/15/19 14:45

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 16:29	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 16:29	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 16:29	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 16:29	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 16:29	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 16:29	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 16:29	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 16:29	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 16:29	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 16:29	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 16:29	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 16:29	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 16:29	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 16:29	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 16:29	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 16:29	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 16:29	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 16:29	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 16:29	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 16:29	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 16:29	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 16:29	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 16:29	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 16:29	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 16:29	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 16:29	1
Acetone	**53**		20	7.3	ug/L			10/24/19 16:29	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 16:29	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 16:29	1

Client Sample ID: AVB140-01-20191015

Lab Sample ID: 550-131570-19

Date Collected: 10/15/19 14:45

Matrix: Water

Date Received: 10/16/19 11:36

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 16:29	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 16:29	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 16:29	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 16:29	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 16:29	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 16:29	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 16:29	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 16:29	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 16:29	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 16:29	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 16:29	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 16:29	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 16:29	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 16:29	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 16:29	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 16:29	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 16:29	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 16:29	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 16:29	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 16:29	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 16:29	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 16:29	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 16:29	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 16:29	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 16:29	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 16:29	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 16:29	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 16:29	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 16:29	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 16:29	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 16:29	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 16:29	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 16:29	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 16:29	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 16:29	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 16:29	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 16:29	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 16:29	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*70 - 130*		*10/24/19 16:29*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/24/19 16:29*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/24/19 16:29*	*1*

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	**Client Sample ID**	**DBFM (70-130)**	**TOL (70-130)**	**BFB (70-130)**
550-131432-A-3 MS	Matrix Spike	137 N1	126	116
550-131432-A-3 MSD	Matrix Spike Duplicate	142 N1	121	116
550-131570-1	Trip Blank	117	101	99
550-131570-2	Dup-04-20191015	111	98	95
550-131570-2	Dup-04-20191015	114	106	103
550-131570-2 MS	Dup-04-20191015	127	116	111
550-131570-2 MSD	Dup-04-20191015	124	115	110
550-131570-3	AVB74-01-20191015	114	98	95
550-131570-3	AVB74-01-20191015	115	106	101
550-131570-4	AVB60-01-20191015	112	102	95
550-131570-4	AVB60-01-20191015	115	104	103
550-131570-5	AVB61-01-20191015	114	100	100
550-131570-5	AVB61-01-20191015	113	107	100
550-131570-6	AVB10-02-20191015	114	99	95
550-131570-6	AVB10-02-20191015	115	105	97
550-131570-7	AVB108-02-20191015	113	97	94
550-131570-7	AVB108-02-20191015	119	103	102
550-131570-8	AVB145-01-20191015	112	99	96
550-131570-8	AVB145-01-20191015	117	104	101
550-131570-9	AVB143-01-20191015	114	99	96
550-131570-9	AVB143-01-20191015	116	105	102
550-131570-10	AVB131-02-20191015	115	97	100
550-131570-10	AVB131-02-20191015	117	105	98
550-131570-11	AVB12-01-20191015	112	98	97
550-131570-11	AVB12-01-20191015	117	104	102
550-131570-12	AVB106-01-20191015	111	99	97
550-131570-13	PDB Blank-20191016	112	99	95
550-131570-14	DIMW-7A-20191016	111	100	95
550-131570-15	DIMW-6A-20191016	114	100	96
550-131570-16	DIMW-5A-20191016	114	97	95
550-131570-17	DIMW-8D-20191016	112	100	96
550-131570-18	DIMW-9D-20191016	113	98	94
550-131570-19	AVB140-01-20191015	117	98	94
550-131878-A-2 MS	Matrix Spike	124	111	105
550-131878-A-2 MSD	Matrix Spike Duplicate	127	114	107
LCS 550-193273/3	Lab Control Sample	122	117	105
LCS 550-193337/3	Lab Control Sample	130	114	105
LCS 550-193457/5	Lab Control Sample	121	110	100
LCSD 550-193273/4	Lab Control Sample Dup	119	110	105
LCSD 550-193337/4	Lab Control Sample Dup	122	109	104
LCSD 550-193457/6	Lab Control Sample Dup	126	111	105
MB 550-193273/5	Method Blank	108	102	100
MB 550-193337/5	Method Blank	109	101	97
MB 550-193457/7	Method Blank	114	105	98

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-193273/5
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/23/19 23:51	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/23/19 23:51	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/23/19 23:51	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/23/19 23:51	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/23/19 23:51	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/23/19 23:51	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/23/19 23:51	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/23/19 23:51	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/23/19 23:51	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/23/19 23:51	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/23/19 23:51	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/23/19 23:51	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/23/19 23:51	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/23/19 23:51	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/23/19 23:51	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/23/19 23:51	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/23/19 23:51	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/23/19 23:51	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/23/19 23:51	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/23/19 23:51	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/23/19 23:51	1
2-Butanone (MEK)	ND	E8 V1	10	2.2	ug/L			10/23/19 23:51	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/23/19 23:51	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/23/19 23:51	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/23/19 23:51	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/23/19 23:51	1
Acetone	ND	E8 V1	20	7.3	ug/L			10/23/19 23:51	1
Benzene	ND	E8	2.0	0.12	ug/L			10/23/19 23:51	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/23/19 23:51	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/23/19 23:51	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/23/19 23:51	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/23/19 23:51	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/23/19 23:51	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/23/19 23:51	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/23/19 23:51	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/23/19 23:51	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/23/19 23:51	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/23/19 23:51	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/23/19 23:51	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/23/19 23:51	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/23/19 23:51	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/23/19 23:51	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/23/19 23:51	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/23/19 23:51	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/23/19 23:51	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/23/19 23:51	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/23/19 23:51	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/23/19 23:51	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-193273/5
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/23/19 23:51	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/23/19 23:51	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/23/19 23:51	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/23/19 23:51	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/23/19 23:51	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/23/19 23:51	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/23/19 23:51	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/23/19 23:51	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/23/19 23:51	1
Styrene	ND	E8	2.0	0.17	ug/L			10/23/19 23:51	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/23/19 23:51	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/23/19 23:51	1
Toluene	ND	E8	2.0	0.28	ug/L			10/23/19 23:51	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/23/19 23:51	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/23/19 23:51	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/23/19 23:51	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/23/19 23:51	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/23/19 23:51	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/23/19 23:51	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/23/19 23:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*10/23/19 23:51*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/23/19 23:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*10/23/19 23:51*	*1*

Lab Sample ID: LCS 550-193273/3
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.9		ug/L		108	70 - 130
1,1,1-Trichloroethane	25.0	26.4		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.7		ug/L		107	70 - 130
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	70 - 130
1,1-Dichloroethane	25.0	25.2		ug/L		101	70 - 130
1,1-Dichloroethene	25.0	27.5		ug/L		110	70 - 130
1,1-Dichloropropene	25.0	25.1		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	25.0	29.2		ug/L		117	70 - 130
1,2,3-Trichloropropane	25.0	26.2		ug/L		105	70 - 130
1,2,4-Trichlorobenzene	25.0	28.2		ug/L		113	70 - 130
1,2,4-Trimethylbenzene	25.0	25.4		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	61 - 130
1,2-Dibromoethane (EDB)	25.0	27.5		ug/L		110	70 - 130
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,2-Dichloroethane	25.0	24.0		ug/L		96	70 - 130
1,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-193273/3
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,3-Dichloropropane	25.0	26.4		ug/L		106	70 - 130
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
2,2-Dichloropropane	25.0	24.9		ug/L		99	70 - 130
2-Butanone (MEK)	25.0	35.1	V1	ug/L		140	50 - 150
2-Chlorotoluene	25.0	23.7		ug/L		95	70 - 130
2-Hexanone	25.0	29.4		ug/L		118	52 - 138
4-Chlorotoluene	25.0	24.2		ug/L		97	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	25.6		ug/L		102	64 - 131
Acetone	25.0	37.3	V1	ug/L		149	18 - 150
Benzene	25.0	25.7		ug/L		103	70 - 130
Bromobenzene	25.0	25.8		ug/L		103	70 - 130
Bromochloromethane	25.0	26.8		ug/L		107	70 - 130
Bromodichloromethane	25.0	26.1		ug/L		104	70 - 130
Bromoform	25.0	28.1		ug/L		112	70 - 130
Bromomethane	25.0	26.8		ug/L		107	62 - 136
Carbon disulfide	25.0	25.3		ug/L		101	70 - 130
Carbon tetrachloride	25.0	27.7		ug/L		111	70 - 130
Chlorobenzene	25.0	26.3		ug/L		105	70 - 130
Chloroethane	25.0	25.7		ug/L		103	70 - 130
Chloroform	25.0	26.2		ug/L		105	80 - 120
Chloromethane	25.0	27.4		ug/L		110	64 - 134
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	70 - 130
cis-1,3-Dichloropropene	25.0	27.1		ug/L		108	70 - 130
Chlorodibromomethane	25.0	26.4		ug/L		105	70 - 130
Dibromomethane	25.0	26.1		ug/L		104	70 - 130
Dichlorodifluoromethane	25.0	29.3		ug/L		117	29 - 150
Ethylbenzene	25.0	25.1		ug/L		100	80 - 120
Hexachlorobutadiene	25.0	26.0		ug/L		104	70 - 130
Iodomethane	25.0	26.7		ug/L		107	70 - 136
Isopropylbenzene	25.0	25.5		ug/L		102	70 - 130
m,p-Xylenes	25.0	25.4		ug/L		102	70 - 130
Methylene Chloride	25.0	25.7		ug/L		103	70 - 130
Methyl tert-butyl ether	25.0	23.0		ug/L		92	70 - 132
Naphthalene	25.0	30.2		ug/L		121	70 - 130
n-Butylbenzene	25.0	24.7		ug/L		99	70 - 130
n-Propylbenzene	25.0	24.9		ug/L		100	70 - 130
o-Xylene	25.0	26.0		ug/L		104	70 - 130
p-Isopropyltoluene	25.0	24.9		ug/L		100	70 - 130
sec-Butylbenzene	25.0	25.8		ug/L		103	70 - 130
Styrene	25.0	25.9		ug/L		103	70 - 130
tert-Butylbenzene	25.0	24.5		ug/L		98	70 - 130
Tetrachloroethene	25.0	26.4		ug/L		106	70 - 130
Toluene	25.0	25.7		ug/L		103	80 - 120
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	70 - 130
trans-1,3-Dichloropropene	25.0	26.6		ug/L		106	70 - 130
Trichloroethene	25.0	25.8		ug/L		103	70 - 130
Trichlorofluoromethane	25.0	26.2		ug/L		105	70 - 130
Vinyl acetate	25.0	25.2		ug/L		101	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-193273/3
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			25.0	27.9		ug/L		112	70 - 130		
Xylenes, Total			50.0	51.4		ug/L		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*122*		*70 - 130*
Toluene-d8 (Surr)	*117*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 550-193273/4
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			25.0	26.0		ug/L		104	70 - 130	4	20
1,1,1-Trichloroethane			25.0	25.4		ug/L		102	70 - 130	4	20
1,1,2,2-Tetrachloroethane			25.0	26.8		ug/L		107	70 - 130	0	20
1,1,2-Trichloroethane			25.0	26.6		ug/L		106	70 - 130	1	20
1,1-Dichloroethane			25.0	24.5		ug/L		98	70 - 130	3	20
1,1-Dichloroethene			25.0	25.6		ug/L		102	70 - 130	7	20
1,1-Dichloropropene			25.0	23.9		ug/L		96	70 - 130	5	20
1,2,3-Trichlorobenzene			25.0	29.7		ug/L		119	70 - 130	2	20
1,2,3-Trichloropropane			25.0	26.3		ug/L		105	70 - 130	1	20
1,2,4-Trichlorobenzene			25.0	27.9		ug/L		112	70 - 130	1	20
1,2,4-Trimethylbenzene			25.0	25.2		ug/L		101	70 - 130	1	20
1,2-Dibromo-3-Chloropropane			25.0	26.4		ug/L		106	61 - 130	5	21
1,2-Dibromoethane (EDB)			25.0	27.3		ug/L		109	70 - 130	0	20
1,2-Dichlorobenzene			25.0	25.1		ug/L		100	70 - 130	2	20
1,2-Dichloroethane			25.0	23.7		ug/L		95	70 - 130	1	20
1,2-Dichloropropane			25.0	24.3		ug/L		97	70 - 130	4	20
1,3,5-Trimethylbenzene			25.0	24.2		ug/L		97	70 - 130	4	20
1,3-Dichlorobenzene			25.0	24.9		ug/L		100	70 - 130	2	20
1,3-Dichloropropane			25.0	25.8		ug/L		103	70 - 130	2	20
1,4-Dichlorobenzene			25.0	24.9		ug/L		100	70 - 130	1	20
2,2-Dichloropropane			25.0	23.0		ug/L		92	70 - 130	8	20
2-Butanone (MEK)			25.0	34.1	V1	ug/L		137	50 - 150	3	34
2-Chlorotoluene			25.0	23.1		ug/L		92	70 - 130	3	20
2-Hexanone			25.0	28.2		ug/L		113	52 - 138	4	29
4-Chlorotoluene			25.0	23.7		ug/L		95	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)			25.0	24.3		ug/L		97	64 - 131	5	23
Acetone			25.0	34.9	V1	ug/L		140	18 - 150	7	35
Benzene			25.0	24.6		ug/L		98	70 - 130	5	20
Bromobenzene			25.0	25.9		ug/L		104	70 - 130	0	20
Bromochloromethane			25.0	25.5		ug/L		102	70 - 130	5	20
Bromodichloromethane			25.0	25.4		ug/L		102	70 - 130	3	20
Bromoform			25.0	28.3		ug/L		113	70 - 130	1	20
Bromomethane			25.0	26.1		ug/L		104	62 - 136	3	20
Carbon disulfide			25.0	23.4		ug/L		94	70 - 130	8	20
Carbon tetrachloride			25.0	26.5		ug/L		106	70 - 130	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-193273/4
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	25.2		ug/L		101	70 - 130	4	20
Chloroethane	25.0	25.2		ug/L		101	70 - 130	2	20
Chloroform	25.0	24.7		ug/L		99	80 - 120	6	20
Chloromethane	25.0	25.4		ug/L		102	64 - 134	8	20
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	70 - 130	5	20
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	70 - 130	6	20
Chlorodibromomethane	25.0	25.9		ug/L		104	70 - 130	2	20
Dibromomethane	25.0	25.6		ug/L		102	70 - 130	2	20
Dichlorodifluoromethane	25.0	28.9		ug/L		115	29 - 150	1	21
Ethylbenzene	25.0	24.2		ug/L		97	80 - 120	4	20
Hexachlorobutadiene	25.0	25.6		ug/L		103	70 - 130	1	20
Iodomethane	25.0	25.9		ug/L		104	70 - 136	3	20
Isopropylbenzene	25.0	25.0		ug/L		100	70 - 130	2	20
m,p-Xylenes	25.0	25.1		ug/L		100	70 - 130	1	20
Methylene Chloride	25.0	24.2		ug/L		97	70 - 130	6	20
Methyl tert-butyl ether	25.0	23.5		ug/L		94	70 - 132	2	20
Naphthalene	25.0	31.2		ug/L		125	70 - 130	3	20
n-Butylbenzene	25.0	24.0		ug/L		96	70 - 130	3	20
n-Propylbenzene	25.0	24.3		ug/L		97	70 - 130	2	20
o-Xylene	25.0	24.9		ug/L		99	70 - 130	4	20
p-Isopropyltoluene	25.0	24.6		ug/L		99	70 - 130	1	20
sec-Butylbenzene	25.0	24.9		ug/L		99	70 - 130	4	20
Styrene	25.0	25.2		ug/L		101	70 - 130	3	20
tert-Butylbenzene	25.0	24.3		ug/L		97	70 - 130	1	20
Tetrachloroethene	25.0	25.1		ug/L		100	70 - 130	5	20
Toluene	25.0	24.1		ug/L		96	80 - 120	6	20
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	70 - 130	3	20
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	70 - 130	6	20
Trichloroethene	25.0	24.2		ug/L		97	70 - 130	6	20
Trichlorofluoromethane	25.0	24.4		ug/L		98	70 - 130	7	20
Vinyl acetate	25.0	26.1		ug/L		104	63 - 147	4	20
Vinyl chloride	25.0	26.6		ug/L		107	70 - 130	5	20
Xylenes, Total	50.0	50.0		ug/L		100	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*119*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 550-131432-A-3 MS
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	31.1		ug/L		124	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	30.1		ug/L		120	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	30.2		ug/L		121	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	31.8		ug/L		127	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131432-A-3 MS
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND	E8	25.0	28.6		ug/L		114	70 - 137
1,1-Dichloroethene	ND	E8	25.0	30.5		ug/L		122	53 - 150
1,1-Dichloropropene	ND	E8	25.0	27.3		ug/L		109	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	33.1		ug/L		132	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	29.9		ug/L		120	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	30.4		ug/L		122	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	27.2		ug/L		109	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	30.4		ug/L		122	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	31.9		ug/L		128	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	28.0		ug/L		112	67 - 131
1,2-Dichloroethane	ND	E8	25.0	28.5		ug/L		114	58 - 146
1,2-Dichloropropane	ND	E8	25.0	29.1		ug/L		117	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	27.0		ug/L		108	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	27.6		ug/L		110	68 - 130
1,3-Dichloropropane	ND	E8	25.0	30.1		ug/L		120	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	27.8		ug/L		111	68 - 128
2,2-Dichloropropane	ND	E8	25.0	26.6		ug/L		106	54 - 150
2-Butanone (MEK)	ND	E8 V1	25.0	28.7	V1	ug/L		115	10 - 150
2-Chlorotoluene	ND	E8	25.0	25.6		ug/L		103	63 - 132
2-Hexanone	ND	E8	25.0	27.8		ug/L		111	37 - 150
4-Chlorotoluene	ND	E8	25.0	26.6		ug/L		106	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	27.6		ug/L		110	41 - 150
Acetone	ND	E8 V1	25.0	24.8	V1	ug/L		99	10 - 150
Benzene	ND	E8	25.0	28.7		ug/L		115	54 - 142
Bromobenzene	ND	E8	25.0	29.2		ug/L		117	69 - 132
Bromochloromethane	ND	E8	25.0	31.6		ug/L		126	67 - 145
Bromodichloromethane	ND	E8	25.0	30.1		ug/L		120	61 - 143
Bromoform	ND	E8	25.0	32.0		ug/L		128	57 - 142
Bromomethane	ND	E8	25.0	31.5		ug/L		126	56 - 149
Carbon disulfide	ND	E8	25.0	28.3		ug/L		113	48 - 150
Carbon tetrachloride	ND	E8	25.0	30.9		ug/L		123	60 - 143
Chlorobenzene	ND	E8	25.0	29.6		ug/L		118	69 - 129
Chloroethane	ND	E8	25.0	29.1		ug/L		116	60 - 146
Chloroform	1.3	E4	25.0	31.0		ug/L		119	69 - 138
Chloromethane	ND	E8	25.0	30.9		ug/L		124	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	28.7		ug/L		115	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	29.0		ug/L		116	57 - 145
Chlorodibromomethane	ND	E8	25.0	30.3		ug/L		121	61 - 143
Dibromomethane	ND	E8	25.0	31.1		ug/L		124	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	33.7		ug/L		135	21 - 150
Ethylbenzene	ND	E8	25.0	28.0		ug/L		112	46 - 149
Hexachlorobutadiene	ND	E8	25.0	24.2		ug/L		97	49 - 146
Iodomethane	ND	E8	25.0	31.1		ug/L		124	43 - 150
Isopropylbenzene	ND	E8	25.0	27.4		ug/L		110	56 - 143
m,p-Xylenes	ND	E8	25.0	28.0		ug/L		112	52 - 144
Methylene Chloride	ND	E8	25.0	29.9		ug/L		120	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	27.4		ug/L		110	56 - 148
Naphthalene	ND	E8	25.0	35.1		ug/L		140	47 - 150
n-Butylbenzene	ND	E8	25.0	24.7		ug/L		99	54 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131432-A-3 MS
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	ND	E8	25.0	26.2		ug/L		105	54 - 144
o-Xylene	ND	E8	25.0	27.9		ug/L		112	55 - 143
p-Isopropyltoluene	ND	E8	25.0	26.1		ug/L		104	53 - 147
sec-Butylbenzene	ND	E8	25.0	27.0		ug/L		108	55 - 145
Styrene	ND	E8	25.0	27.8		ug/L		111	21 - 150
tert-Butylbenzene	ND	E8	25.0	26.3		ug/L		105	57 - 143
Tetrachloroethene	0.43	E4	25.0	28.9		ug/L		114	37 - 150
Toluene	ND	E8	25.0	28.6		ug/L		114	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	29.4		ug/L		118	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	29.6		ug/L		119	57 - 147
Trichloroethene	3.1		25.0	32.0		ug/L		116	62 - 134
Trichlorofluoromethane	ND	E8	25.0	29.3		ug/L		117	60 - 150
Vinyl acetate	ND	E8	25.0	28.8		ug/L		115	14 - 150
Vinyl chloride	ND	E8	25.0	31.7		ug/L		127	48 - 150
Xylenes, Total	ND	E8	50.0	55.9		ug/L		112	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*137*	*N1*	*70 - 130*
Toluene-d8 (Surr)	*126*		*70 - 130*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 550-131432-A-3 MSD
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	29.9		ug/L		120	67 - 137	4	35
1,1,1-Trichloroethane	ND	E8	25.0	29.9		ug/L		120	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	31.6		ug/L		127	63 - 136	5	35
1,1,2-Trichloroethane	ND	E8	25.0	30.8		ug/L		123	66 - 137	3	35
1,1-Dichloroethane	ND	E8	25.0	29.0		ug/L		116	70 - 137	1	35
1,1-Dichloroethene	ND	E8	25.0	29.8		ug/L		119	53 - 150	2	35
1,1-Dichloropropene	ND	E8	25.0	26.4		ug/L		106	58 - 141	3	35
1,2,3-Trichlorobenzene	ND	E8	25.0	33.9		ug/L		136	57 - 144	3	35
1,2,3-Trichloropropane	ND	E8	25.0	31.4		ug/L		126	60 - 138	5	35
1,2,4-Trichlorobenzene	ND	E8	25.0	31.6		ug/L		127	58 - 140	4	35
1,2,4-Trimethylbenzene	ND	E8	25.0	27.6		ug/L		110	50 - 147	2	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	32.0		ug/L		128	51 - 143	5	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	32.1		ug/L		128	67 - 136	1	35
1,2-Dichlorobenzene	ND	E8	25.0	28.6		ug/L		114	67 - 131	2	35
1,2-Dichloroethane	ND	E8	25.0	28.0		ug/L		112	58 - 146	2	35
1,2-Dichloropropane	ND	E8	25.0	28.2		ug/L		113	66 - 135	3	35
1,3,5-Trimethylbenzene	ND	E8	25.0	26.7		ug/L		107	50 - 147	1	35
1,3-Dichlorobenzene	ND	E8	25.0	28.0		ug/L		112	68 - 130	1	35
1,3-Dichloropropane	ND	E8	25.0	30.0		ug/L		120	67 - 134	0	35
1,4-Dichlorobenzene	ND	E8	25.0	27.6		ug/L		110	68 - 128	1	35
2,2-Dichloropropane	ND	E8	25.0	27.6		ug/L		110	54 - 150	4	35
2-Butanone (MEK)	ND	E8 V1	25.0	33.1	V1	ug/L		132	10 - 150	14	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131432-A-3 MSD
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	ND	E8	25.0	25.8		ug/L		103	63 - 132	1	35
2-Hexanone	ND	E8	25.0	28.8		ug/L		115	37 - 150	4	35
4-Chlorotoluene	ND	E8	25.0	26.3		ug/L		105	66 - 131	1	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	29.3		ug/L		117	41 - 150	6	35
Acetone	ND	E8 V1	25.0	27.9	V1	ug/L		112	10 - 150	12	35
Benzene	ND	E8	25.0	28.3		ug/L		113	54 - 142	2	35
Bromobenzene	ND	E8	25.0	29.3		ug/L		117	69 - 132	0	35
Bromochloromethane	ND	E8	25.0	31.7		ug/L		127	67 - 145	0	35
Bromodichloromethane	ND	E8	25.0	29.3		ug/L		117	61 - 143	2	35
Bromoform	ND	E8	25.0	33.4		ug/L		134	57 - 142	4	35
Bromomethane	ND	E8	25.0	30.6		ug/L		123	56 - 149	3	35
Carbon disulfide	ND	E8	25.0	27.7		ug/L		111	48 - 150	2	35
Carbon tetrachloride	ND	E8	25.0	29.5		ug/L		118	60 - 143	4	35
Chlorobenzene	ND	E8	25.0	29.1		ug/L		116	69 - 129	2	35
Chloroethane	ND	E8	25.0	29.4		ug/L		118	60 - 146	1	35
Chloroform	1.3	E4	25.0	31.4		ug/L		121	69 - 138	2	35
Chloromethane	ND	E8	25.0	30.9		ug/L		124	50 - 150	0	35
cis-1,2-Dichloroethene	ND	E8	25.0	28.5		ug/L		114	65 - 139	1	35
cis-1,3-Dichloropropene	ND	E8	25.0	28.6		ug/L		114	57 - 145	1	35
Chlorodibromomethane	ND	E8	25.0	30.9		ug/L		123	61 - 143	2	35
Dibromomethane	ND	E8	25.0	30.1		ug/L		121	64 - 138	3	35
Dichlorodifluoromethane	ND	E8	25.0	34.3		ug/L		137	21 - 150	2	35
Ethylbenzene	ND	E8	25.0	27.1		ug/L		109	46 - 149	3	35
Hexachlorobutadiene	ND	E8	25.0	28.7		ug/L		115	49 - 146	17	35
Iodomethane	ND	E8	25.0	31.1		ug/L		124	43 - 150	0	35
Isopropylbenzene	ND	E8	25.0	27.4		ug/L		109	56 - 143	0	35
m,p-Xylenes	ND	E8	25.0	27.6		ug/L		110	52 - 144	1	35
Methylene Chloride	ND	E8	25.0	28.8		ug/L		115	66 - 134	4	35
Methyl tert-butyl ether	ND	E8	25.0	29.3		ug/L		117	56 - 148	7	35
Naphthalene	ND	E8	25.0	35.9		ug/L		144	47 - 150	2	35
n-Butylbenzene	ND	E8	25.0	25.6		ug/L		103	54 - 145	4	35
n-Propylbenzene	ND	E8	25.0	26.6		ug/L		106	54 - 144	1	35
o-Xylene	ND	E8	25.0	27.8		ug/L		111	55 - 143	1	35
p-Isopropyltoluene	ND	E8	25.0	27.1		ug/L		108	53 - 147	4	35
sec-Butylbenzene	ND	E8	25.0	27.4		ug/L		110	55 - 145	1	35
Styrene	ND	E8	25.0	27.9		ug/L		112	21 - 150	0	35
tert-Butylbenzene	ND	E8	25.0	27.0		ug/L		108	57 - 143	2	35
Tetrachloroethene	0.43	E4	25.0	28.5		ug/L		112	37 - 150	2	35
Toluene	ND	E8	25.0	27.6		ug/L		110	56 - 141	3	35
trans-1,2-Dichloroethene	ND	E8	25.0	29.2		ug/L		117	69 - 136	1	35
trans-1,3-Dichloropropene	ND	E8	25.0	29.4		ug/L		118	57 - 147	1	35
Trichloroethene	3.1		25.0	31.1		ug/L		112	62 - 134	3	35
Trichlorofluoromethane	ND	E8	25.0	26.3		ug/L		105	60 - 150	11	35
Vinyl acetate	ND	E8	25.0	29.5		ug/L		118	14 - 150	2	35
Vinyl chloride	ND	E8	25.0	31.3		ug/L		125	48 - 150	1	35
Xylenes, Total	ND	E8	50.0	55.4		ug/L		111	53 - 145	1	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131432-A-3 MSD
Matrix: Water
Analysis Batch: 193273

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	142	N1	70 - 130
Toluene-d8 (Surr)	121		70 - 130
4-Bromofluorobenzene (Surr)	116		70 - 130

Lab Sample ID: MB 550-193337/5
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/24/19 10:44	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/24/19 10:44	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/24/19 10:44	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 10:44	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/24/19 10:44	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/24/19 10:44	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/24/19 10:44	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/24/19 10:44	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/24/19 10:44	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/24/19 10:44	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/24/19 10:44	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/24/19 10:44	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/24/19 10:44	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/24/19 10:44	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/24/19 10:44	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 10:44	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 10:44	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/24/19 10:44	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/24/19 10:44	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 10:44	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/24/19 10:44	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/24/19 10:44	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/24/19 10:44	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/24/19 10:44	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/24/19 10:44	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/24/19 10:44	1
Acetone	ND	E8	20	7.3	ug/L			10/24/19 10:44	1
Benzene	ND	E8	2.0	0.12	ug/L			10/24/19 10:44	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/24/19 10:44	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/24/19 10:44	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/24/19 10:44	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/24/19 10:44	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/24/19 10:44	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/24/19 10:44	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/24/19 10:44	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/24/19 10:44	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/24/19 10:44	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/24/19 10:44	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/24/19 10:44	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-193337/5
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/24/19 10:44	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/24/19 10:44	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/24/19 10:44	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/24/19 10:44	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 10:44	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/24/19 10:44	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/24/19 10:44	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/24/19 10:44	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/24/19 10:44	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/24/19 10:44	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/24/19 10:44	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/24/19 10:44	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/24/19 10:44	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/24/19 10:44	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/24/19 10:44	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/24/19 10:44	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/24/19 10:44	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/24/19 10:44	1
Styrene	ND	E8	2.0	0.17	ug/L			10/24/19 10:44	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/24/19 10:44	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/24/19 10:44	1
Toluene	ND	E8	2.0	0.28	ug/L			10/24/19 10:44	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/24/19 10:44	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/24/19 10:44	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/24/19 10:44	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/24/19 10:44	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/24/19 10:44	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/24/19 10:44	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/24/19 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*10/24/19 10:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/24/19 10:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/24/19 10:44*	*1*

Lab Sample ID: LCS 550-193337/3
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 130
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	70 - 130
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	70 - 130
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloroethene	25.0	26.0		ug/L		104	70 - 130
1,1-Dichloropropene	25.0	24.5		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	25.0	28.5		ug/L		114	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-193337/3
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	23.8		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	25.0	24.4		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.7		ug/L		95	61 - 130
1,2-Dibromoethane (EDB)	25.0	26.9		ug/L		108	70 - 130
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130
1,2-Dichloroethane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichloropropane	25.0	24.2		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	25.0	23.3		ug/L		93	70 - 130
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	70 - 130
1,3-Dichloropropane	25.0	25.0		ug/L		100	70 - 130
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	70 - 130
2,2-Dichloropropane	25.0	23.4		ug/L		94	70 - 130
2-Butanone (MEK)	25.0	24.4		ug/L		98	50 - 150
2-Chlorotoluene	25.0	22.4		ug/L		90	70 - 130
2-Hexanone	25.0	22.9		ug/L		91	52 - 138
4-Chlorotoluene	25.0	23.1		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	22.8		ug/L		91	64 - 131
Acetone	25.0	23.6		ug/L		94	18 - 150
Benzene	25.0	25.7		ug/L		103	70 - 130
Bromobenzene	25.0	25.3		ug/L		101	70 - 130
Bromochloromethane	25.0	26.9		ug/L		108	70 - 130
Bromodichloromethane	25.0	25.0		ug/L		100	70 - 130
Bromoform	25.0	26.7		ug/L		107	70 - 130
Bromomethane	25.0	25.1		ug/L		100	62 - 136
Carbon disulfide	25.0	24.5		ug/L		98	70 - 130
Carbon tetrachloride	25.0	26.6		ug/L		106	70 - 130
Chlorobenzene	25.0	25.1		ug/L		101	70 - 130
Chloroethane	25.0	24.1		ug/L		97	70 - 130
Chloroform	25.0	26.6		ug/L		106	80 - 120
Chloromethane	25.0	25.2		ug/L		101	64 - 134
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	70 - 130
cis-1,3-Dichloropropene	25.0	24.6		ug/L		99	70 - 130
Chlorodibromomethane	25.0	25.6		ug/L		102	70 - 130
Dibromomethane	25.0	25.7		ug/L		103	70 - 130
Dichlorodifluoromethane	25.0	25.8		ug/L		103	29 - 150
Ethylbenzene	25.0	24.0		ug/L		96	80 - 120
Hexachlorobutadiene	25.0	24.1		ug/L		97	70 - 130
Iodomethane	25.0	26.3		ug/L		105	70 - 136
Isopropylbenzene	25.0	24.0		ug/L		96	70 - 130
m,p-Xylenes	25.0	23.9		ug/L		95	70 - 130
Methylene Chloride	25.0	25.8		ug/L		103	70 - 130
Methyl tert-butyl ether	25.0	22.6		ug/L		90	70 - 132
Naphthalene	25.0	29.0		ug/L		116	70 - 130
n-Butylbenzene	25.0	23.0		ug/L		92	70 - 130
n-Propylbenzene	25.0	23.3		ug/L		93	70 - 130
o-Xylene	25.0	24.2		ug/L		97	70 - 130
p-Isopropyltoluene	25.0	23.6		ug/L		94	70 - 130
sec-Butylbenzene	25.0	23.9		ug/L		95	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-193337/3
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	24.4		ug/L		98	70 - 130
tert-Butylbenzene	25.0	23.0		ug/L		92	70 - 130
Tetrachloroethene	25.0	24.8		ug/L		99	70 - 130
Toluene	25.0	24.5		ug/L		98	80 - 120
trans-1,2-Dichloroethene	25.0	26.1		ug/L		104	70 - 130
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	70 - 130
Trichloroethene	25.0	24.2		ug/L		97	70 - 130
Trichlorofluoromethane	25.0	23.4		ug/L		93	70 - 130
Vinyl acetate	25.0	25.2		ug/L		101	63 - 147
Vinyl chloride	25.0	25.8		ug/L		103	70 - 130
Xylenes, Total	50.0	48.1		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*130*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 550-193337/4
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.8		ug/L		103	70 - 130	1	20
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 130	2	20
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	70 - 130	4	20
1,1-Dichloroethane	25.0	24.1		ug/L		96	70 - 130	7	20
1,1-Dichloroethene	25.0	25.7		ug/L		103	70 - 130	1	20
1,1-Dichloropropene	25.0	23.6		ug/L		94	70 - 130	4	20
1,2,3-Trichlorobenzene	25.0	29.2		ug/L		117	70 - 130	2	20
1,2,3-Trichloropropane	25.0	24.4		ug/L		98	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	27.2		ug/L		109	70 - 130	5	20
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	24.4		ug/L		97	61 - 130	3	21
1,2-Dibromoethane (EDB)	25.0	26.3		ug/L		105	70 - 130	2	20
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	70 - 130	1	20
1,2-Dichloroethane	25.0	23.2		ug/L		93	70 - 130	8	20
1,2-Dichloropropane	25.0	24.0		ug/L		96	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 130	4	20
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130	0	20
1,3-Dichloropropane	25.0	25.0		ug/L		100	70 - 130	0	20
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130	1	20
2,2-Dichloropropane	25.0	22.6		ug/L		90	70 - 130	4	20
2-Butanone (MEK)	25.0	24.7		ug/L		99	50 - 150	1	34
2-Chlorotoluene	25.0	22.5		ug/L		90	70 - 130	0	20
2-Hexanone	25.0	22.2		ug/L		89	52 - 138	3	29
4-Chlorotoluene	25.0	23.0		ug/L		92	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	25.0	22.2		ug/L		89	64 - 131	3	23

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-193337/4
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			25.0	21.3		ug/L		85	18 - 150	10	35
Benzene			25.0	24.0		ug/L		96	70 - 130	7	20
Bromobenzene			25.0	25.3		ug/L		101	70 - 130	0	20
Bromochloromethane			25.0	24.8		ug/L		99	70 - 130	8	20
Bromodichloromethane			25.0	24.4		ug/L		98	70 - 130	2	20
Bromoform			25.0	27.0		ug/L		108	70 - 130	1	20
Bromomethane			25.0	25.1		ug/L		100	62 - 136	0	20
Carbon disulfide			25.0	24.2		ug/L		97	70 - 130	1	20
Carbon tetrachloride			25.0	26.3		ug/L		105	70 - 130	1	20
Chlorobenzene			25.0	24.7		ug/L		99	70 - 130	2	20
Chloroethane			25.0	24.3		ug/L		97	70 - 130	1	20
Chloroform			25.0	24.5		ug/L		98	80 - 120	8	20
Chloromethane			25.0	25.8		ug/L		103	64 - 134	2	20
cis-1,2-Dichloroethene			25.0	23.4		ug/L		94	70 - 130	10	20
cis-1,3-Dichloropropene			25.0	23.9		ug/L		96	70 - 130	3	20
Chlorodibromomethane			25.0	25.3		ug/L		101	70 - 130	1	20
Dibromomethane			25.0	25.3		ug/L		101	70 - 130	2	20
Dichlorodifluoromethane			25.0	25.1		ug/L		100	29 - 150	3	21
Ethylbenzene			25.0	23.8		ug/L		95	80 - 120	1	20
Hexachlorobutadiene			25.0	25.5		ug/L		102	70 - 130	5	20
Iodomethane			25.0	24.9		ug/L		99	70 - 136	5	20
Isopropylbenzene			25.0	24.2		ug/L		97	70 - 130	1	20
m,p-Xylenes			25.0	24.3		ug/L		97	70 - 130	2	20
Methylene Chloride			25.0	24.4		ug/L		98	70 - 130	6	20
Methyl tert-butyl ether			25.0	22.4		ug/L		90	70 - 132	1	20
Naphthalene			25.0	29.2		ug/L		117	70 - 130	1	20
n-Butylbenzene			25.0	23.3		ug/L		93	70 - 130	1	20
n-Propylbenzene			25.0	23.8		ug/L		95	70 - 130	2	20
o-Xylene			25.0	24.5		ug/L		98	70 - 130	2	20
p-Isopropyltoluene			25.0	24.3		ug/L		97	70 - 130	3	20
sec-Butylbenzene			25.0	24.6		ug/L		98	70 - 130	3	20
Styrene			25.0	24.7		ug/L		99	70 - 130	1	20
tert-Butylbenzene			25.0	23.9		ug/L		96	70 - 130	4	20
Tetrachloroethene			25.0	23.8		ug/L		95	70 - 130	4	20
Toluene			25.0	23.6		ug/L		95	80 - 120	4	20
trans-1,2-Dichloroethene			25.0	24.4		ug/L		98	70 - 130	7	20
trans-1,3-Dichloropropene			25.0	24.1		ug/L		96	70 - 130	3	20
Trichloroethene			25.0	24.3		ug/L		97	70 - 130	1	20
Trichlorofluoromethane			25.0	25.1		ug/L		100	70 - 130	7	20
Vinyl acetate			25.0	23.4	E4	ug/L		93	63 - 147	8	20
Vinyl chloride			25.0	27.0		ug/L		108	70 - 130	5	20
Xylenes, Total			50.0	48.8		ug/L		98	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*122*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131878-A-2 MS
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.2		ug/L		105	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	25.6		ug/L		103	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.3		ug/L		105	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	27.6		ug/L		110	66 - 137
1,1-Dichloroethane	ND	E8	25.0	26.6		ug/L		107	70 - 137
1,1-Dichloroethene	ND	E8	25.0	27.2		ug/L		109	53 - 150
1,1-Dichloropropene	ND	E8	25.0	24.1		ug/L		96	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	29.5		ug/L		118	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	25.2		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	27.6		ug/L		110	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	25.1		ug/L		100	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.5		ug/L		102	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	27.6		ug/L		110	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	67 - 131
1,2-Dichloroethane	ND	E8	25.0	24.8		ug/L		99	58 - 146
1,2-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	24.5		ug/L		98	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	68 - 130
1,3-Dichloropropane	ND	E8	25.0	25.8		ug/L		103	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	68 - 128
2,2-Dichloropropane	ND	E8	25.0	23.7		ug/L		95	54 - 150
2-Butanone (MEK)	ND	E8 M1	25.0	43.2	M1	ug/L		173	10 - 150
2-Chlorotoluene	ND	E8	25.0	22.7		ug/L		91	63 - 132
2-Hexanone	ND	E8	25.0	35.7		ug/L		143	37 - 150
4-Chlorotoluene	ND	E8	25.0	23.4		ug/L		93	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	24.7		ug/L		99	41 - 150
Acetone	ND	E8 M1	25.0	46.4	M1	ug/L		185	10 - 150
Benzene	ND	E8	25.0	24.9		ug/L		100	54 - 142
Bromobenzene	ND	E8	25.0	25.7		ug/L		103	69 - 132
Bromochloromethane	ND	E8	25.0	27.1		ug/L		108	67 - 145
Bromodichloromethane	ND	E8	25.0	26.5		ug/L		106	61 - 143
Bromoform	ND	E8	25.0	28.3		ug/L		113	57 - 142
Bromomethane	ND	E8	25.0	25.8		ug/L		103	56 - 149
Carbon disulfide	ND	E8	25.0	25.6		ug/L		102	48 - 150
Carbon tetrachloride	ND	E8	25.0	26.3		ug/L		105	60 - 143
Chlorobenzene	ND	E8	25.0	26.0		ug/L		104	69 - 129
Chloroethane	ND	E8	25.0	25.0		ug/L		100	60 - 146
Chloroform	ND	E8	25.0	26.1		ug/L		104	69 - 138
Chloromethane	ND	E8	25.0	26.4		ug/L		106	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	25.0		ug/L		100	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	25.0		ug/L		100	57 - 145
Chlorodibromomethane	ND	E8	25.0	26.3		ug/L		105	61 - 143
Dibromomethane	ND	E8	25.0	26.0		ug/L		104	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	27.6		ug/L		111	21 - 150
Ethylbenzene	ND	E8	25.0	24.3		ug/L		97	46 - 149
Hexachlorobutadiene	ND	E8	25.0	25.9		ug/L		104	49 - 146
Iodomethane	ND	E8	25.0	27.7		ug/L		111	43 - 150
Isopropylbenzene	ND	E8	25.0	24.3		ug/L		97	56 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131878-A-2 MS
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylenes	ND	E8	25.0	24.5		ug/L		98	52 - 144
Methylene Chloride	ND	E8	25.0	27.2		ug/L		109	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	24.8		ug/L		99	56 - 148
Naphthalene	ND	E8	25.0	30.6		ug/L		123	47 - 150
n-Butylbenzene	ND	E8	25.0	23.8		ug/L		95	54 - 145
n-Propylbenzene	ND	E8	25.0	24.3		ug/L		97	54 - 144
o-Xylene	ND	E8	25.0	24.4		ug/L		98	55 - 143
p-Isopropyltoluene	ND	E8	25.0	24.5		ug/L		98	53 - 147
sec-Butylbenzene	ND	E8	25.0	24.8		ug/L		99	55 - 145
Styrene	ND	E8	25.0	25.4		ug/L		101	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.9		ug/L		96	57 - 143
Tetrachloroethene	ND	E8	25.0	25.0		ug/L		100	37 - 150
Toluene	ND	E8	25.0	24.6		ug/L		99	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	25.5		ug/L		102	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	25.1		ug/L		101	57 - 147
Trichloroethene	ND	E8	25.0	24.7		ug/L		99	62 - 134
Trichlorofluoromethane	ND	E8	25.0	24.8		ug/L		99	60 - 150
Vinyl acetate	ND	E8	25.0	28.2		ug/L		113	14 - 150
Vinyl chloride	ND	E8	25.0	25.8		ug/L		103	48 - 150
Xylenes, Total	ND	E8	50.0	48.9		ug/L		98	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*124*		*70 - 130*
Toluene-d8 (Surr)	*111*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 550-131878-A-2 MSD
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		104	67 - 137	0	35
1,1,1-Trichloroethane	ND	E8	25.0	25.3		ug/L		101	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		104	63 - 136	1	35
1,1,2-Trichloroethane	ND	E8	25.0	26.9		ug/L		107	66 - 137	3	35
1,1-Dichloroethane	ND	E8	25.0	24.5		ug/L		98	70 - 137	8	35
1,1-Dichloroethene	ND	E8	25.0	24.8		ug/L		99	53 - 150	9	35
1,1-Dichloropropene	ND	E8	25.0	23.5		ug/L		94	58 - 141	2	35
1,2,3-Trichlorobenzene	ND	E8	25.0	28.5		ug/L		114	57 - 144	3	35
1,2,3-Trichloropropane	ND	E8	25.0	24.6		ug/L		98	60 - 138	2	35
1,2,4-Trichlorobenzene	ND	E8	25.0	26.8		ug/L		107	58 - 140	3	35
1,2,4-Trimethylbenzene	ND	E8	25.0	24.2		ug/L		97	50 - 147	3	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	24.9		ug/L		100	51 - 143	2	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	27.0		ug/L		108	67 - 136	2	35
1,2-Dichlorobenzene	ND	E8	25.0	24.5		ug/L		98	67 - 131	2	35
1,2-Dichloroethane	ND	E8	25.0	24.3		ug/L		97	58 - 146	2	35
1,2-Dichloropropane	ND	E8	25.0	24.8		ug/L		99	66 - 135	0	35
1,3,5-Trimethylbenzene	ND	E8	25.0	24.0		ug/L		96	50 - 147	2	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131878-A-2 MSD
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND	E8	25.0	24.1		ug/L		96	68 - 130	4	35
1,3-Dichloropropane	ND	E8	25.0	25.7		ug/L		103	67 - 134	1	35
1,4-Dichlorobenzene	ND	E8	25.0	24.4		ug/L		98	68 - 128	2	35
2,2-Dichloropropane	ND	E8	25.0	23.8		ug/L		95	54 - 150	0	35
2-Butanone (MEK)	ND	E8 M1	25.0	37.7	M1	ug/L		151	10 - 150	14	35
2-Chlorotoluene	ND	E8	25.0	22.6		ug/L		90	63 - 132	0	35
2-Hexanone	ND	E8	25.0	35.1		ug/L		140	37 - 150	2	35
4-Chlorotoluene	ND	E8	25.0	22.9		ug/L		91	66 - 131	2	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	23.5		ug/L		94	41 - 150	5	35
Acetone	ND	E8 M1	25.0	41.3	M1	ug/L		165	10 - 150	12	35
Benzene	ND	E8	25.0	24.7		ug/L		99	54 - 142	1	35
Bromobenzene	ND	E8	25.0	25.7		ug/L		103	69 - 132	0	35
Bromochloromethane	ND	E8	25.0	26.6		ug/L		106	67 - 145	2	35
Bromodichloromethane	ND	E8	25.0	25.7		ug/L		103	61 - 143	3	35
Bromoform	ND	E8	25.0	27.5		ug/L		110	57 - 142	3	35
Bromomethane	ND	E8	25.0	25.8		ug/L		103	56 - 149	0	35
Carbon disulfide	ND	E8	25.0	23.2		ug/L		93	48 - 150	10	35
Carbon tetrachloride	ND	E8	25.0	26.2		ug/L		105	60 - 143	0	35
Chlorobenzene	ND	E8	25.0	25.7		ug/L		103	69 - 129	1	35
Chloroethane	ND	E8	25.0	25.1		ug/L		101	60 - 146	1	35
Chloroform	ND	E8	25.0	25.3		ug/L		101	69 - 138	3	35
Chloromethane	ND	E8	25.0	26.7		ug/L		107	50 - 150	1	35
cis-1,2-Dichloroethene	ND	E8	25.0	24.4		ug/L		97	65 - 139	2	35
cis-1,3-Dichloropropene	ND	E8	25.0	24.7		ug/L		99	57 - 145	1	35
Chlorodibromomethane	ND	E8	25.0	26.1		ug/L		104	61 - 143	1	35
Dibromomethane	ND	E8	25.0	26.4		ug/L		105	64 - 138	1	35
Dichlorodifluoromethane	ND	E8	25.0	26.0		ug/L		104	21 - 150	6	35
Ethylbenzene	ND	E8	25.0	24.0		ug/L		96	46 - 149	1	35
Hexachlorobutadiene	ND	E8	25.0	24.1		ug/L		96	49 - 146	7	35
Iodomethane	ND	E8	25.0	25.3		ug/L		101	43 - 150	9	35
Isopropylbenzene	ND	E8	25.0	23.9		ug/L		96	56 - 143	1	35
m,p-Xylenes	ND	E8	25.0	24.1		ug/L		97	52 - 144	1	35
Methylene Chloride	ND	E8	25.0	24.0		ug/L		96	66 - 134	12	35
Methyl tert-butyl ether	ND	E8	25.0	23.2		ug/L		93	56 - 148	7	35
Naphthalene	ND	E8	25.0	30.2		ug/L		121	47 - 150	2	35
n-Butylbenzene	ND	E8	25.0	23.5		ug/L		94	54 - 145	1	35
n-Propylbenzene	ND	E8	25.0	23.4		ug/L		94	54 - 144	3	35
o-Xylene	ND	E8	25.0	24.1		ug/L		96	55 - 143	1	35
p-Isopropyltoluene	ND	E8	25.0	23.9		ug/L		96	53 - 147	2	35
sec-Butylbenzene	ND	E8	25.0	24.4		ug/L		98	55 - 145	2	35
Styrene	ND	E8	25.0	24.7		ug/L		99	21 - 150	3	35
tert-Butylbenzene	ND	E8	25.0	23.4		ug/L		94	57 - 143	2	35
Tetrachloroethene	ND	E8	25.0	24.6		ug/L		98	37 - 150	2	35
Toluene	ND	E8	25.0	24.1		ug/L		96	56 - 141	2	35
trans-1,2-Dichloroethene	ND	E8	25.0	23.8		ug/L		95	69 - 136	7	35
trans-1,3-Dichloropropene	ND	E8	25.0	25.2		ug/L		101	57 - 147	0	35
Trichloroethene	ND	E8	25.0	24.1		ug/L		97	62 - 134	2	35
Trichlorofluoromethane	ND	E8	25.0	24.7		ug/L		99	60 - 150	1	35
Vinyl acetate	ND	E8	25.0	23.5	E4	ug/L		94	14 - 150	18	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131878-A-2 MSD
Matrix: Water
Analysis Batch: 193337

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND	E8	25.0	26.1		ug/L		105	48 - 150	1	35
Xylenes, Total	ND	E8	50.0	48.2		ug/L		96	53 - 145	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*127*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 550-193457/7
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			10/25/19 11:13	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			10/25/19 11:13	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			10/25/19 11:13	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			10/25/19 11:13	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			10/25/19 11:13	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			10/25/19 11:13	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			10/25/19 11:13	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			10/25/19 11:13	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			10/25/19 11:13	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			10/25/19 11:13	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			10/25/19 11:13	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			10/25/19 11:13	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			10/25/19 11:13	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			10/25/19 11:13	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			10/25/19 11:13	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/25/19 11:13	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			10/25/19 11:13	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			10/25/19 11:13	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			10/25/19 11:13	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			10/25/19 11:13	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			10/25/19 11:13	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			10/25/19 11:13	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			10/25/19 11:13	1
2-Hexanone	ND	E8	10	1.5	ug/L			10/25/19 11:13	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			10/25/19 11:13	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			10/25/19 11:13	1
Acetone	ND	E8	20	7.3	ug/L			10/25/19 11:13	1
Benzene	ND	E8	2.0	0.12	ug/L			10/25/19 11:13	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			10/25/19 11:13	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			10/25/19 11:13	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			10/25/19 11:13	1
Bromoform	ND	E8	5.0	0.37	ug/L			10/25/19 11:13	1
Bromomethane	ND	E8	5.0	0.67	ug/L			10/25/19 11:13	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			10/25/19 11:13	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			10/25/19 11:13	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-193457/7
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	E8	2.0	0.17	ug/L			10/25/19 11:13	1
Chloroethane	ND	E8	5.0	0.25	ug/L			10/25/19 11:13	1
Chloroform	ND	E8	2.0	0.13	ug/L			10/25/19 11:13	1
Chloromethane	ND	E8	5.0	0.21	ug/L			10/25/19 11:13	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			10/25/19 11:13	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			10/25/19 11:13	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			10/25/19 11:13	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			10/25/19 11:13	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			10/25/19 11:13	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			10/25/19 11:13	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			10/25/19 11:13	1
Iodomethane	ND	E8	2.0	0.21	ug/L			10/25/19 11:13	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			10/25/19 11:13	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			10/25/19 11:13	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			10/25/19 11:13	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			10/25/19 11:13	1
Naphthalene	ND	E8	5.0	0.51	ug/L			10/25/19 11:13	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			10/25/19 11:13	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			10/25/19 11:13	1
o-Xylene	ND	E8	5.0	0.42	ug/L			10/25/19 11:13	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			10/25/19 11:13	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			10/25/19 11:13	1
Styrene	ND	E8	2.0	0.17	ug/L			10/25/19 11:13	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			10/25/19 11:13	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			10/25/19 11:13	1
Toluene	ND	E8	2.0	0.28	ug/L			10/25/19 11:13	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			10/25/19 11:13	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			10/25/19 11:13	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			10/25/19 11:13	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			10/25/19 11:13	1
Vinyl acetate	ND	E8	25	0.81	ug/L			10/25/19 11:13	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			10/25/19 11:13	1
Xylenes, Total	ND	E8	10	0.86	ug/L			10/25/19 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*10/25/19 11:13*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/25/19 11:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*10/25/19 11:13*	*1*

Lab Sample ID: LCS 550-193457/5
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.7		ug/L		107	70 - 130
1,1,1-Trichloroethane	25.0	26.4		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.9		ug/L		108	70 - 130
1,1,2-Trichloroethane	25.0	27.6		ug/L		110	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-193457/5
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.9		ug/L		100	70 - 130
1,1-Dichloroethene	25.0	26.2		ug/L		105	70 - 130
1,1-Dichloropropene	25.0	24.8		ug/L		99	70 - 130
1,2,3-Trichlorobenzene	25.0	28.7		ug/L		115	70 - 130
1,2,3-Trichloropropane	25.0	25.4		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	25.0	26.5		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	25.0	24.4		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.0		ug/L		104	61 - 130
1,2-Dibromoethane (EDB)	25.0	28.0		ug/L		112	70 - 130
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	70 - 130
1,2-Dichloroethane	25.0	25.2		ug/L		101	70 - 130
1,2-Dichloropropane	25.0	25.4		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	25.0	24.1		ug/L		96	70 - 130
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130
1,3-Dichloropropane	25.0	26.6		ug/L		106	70 - 130
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130
2,2-Dichloropropane	25.0	23.1		ug/L		92	70 - 130
2-Butanone (MEK)	25.0	32.2		ug/L		129	50 - 150
2-Chlorotoluene	25.0	22.6		ug/L		90	70 - 130
2-Hexanone	25.0	26.5		ug/L		106	52 - 138
4-Chlorotoluene	25.0	22.8		ug/L		91	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	25.0		ug/L		100	64 - 131
Acetone	25.0	30.6		ug/L		122	18 - 150
Benzene	25.0	25.1		ug/L		100	70 - 130
Bromobenzene	25.0	25.7		ug/L		103	70 - 130
Bromochloromethane	25.0	27.1		ug/L		109	70 - 130
Bromodichloromethane	25.0	25.7		ug/L		103	70 - 130
Bromoform	25.0	27.5		ug/L		110	70 - 130
Bromomethane	25.0	26.7		ug/L		107	62 - 136
Carbon disulfide	25.0	24.5		ug/L		98	70 - 130
Carbon tetrachloride	25.0	27.2		ug/L		109	70 - 130
Chlorobenzene	25.0	26.3		ug/L		105	70 - 130
Chloroethane	25.0	25.9		ug/L		103	70 - 130
Chloroform	25.0	25.8		ug/L		103	80 - 120
Chloromethane	25.0	26.6		ug/L		106	64 - 134
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	70 - 130
Chlorodibromomethane	25.0	26.0		ug/L		104	70 - 130
Dibromomethane	25.0	27.0		ug/L		108	70 - 130
Dichlorodifluoromethane	25.0	24.7		ug/L		99	29 - 150
Ethylbenzene	25.0	24.8		ug/L		99	80 - 120
Hexachlorobutadiene	25.0	25.2		ug/L		101	70 - 130
Iodomethane	25.0	26.8		ug/L		107	70 - 136
Isopropylbenzene	25.0	24.2		ug/L		97	70 - 130
m,p-Xylenes	25.0	24.6		ug/L		98	70 - 130
Methylene Chloride	25.0	25.8		ug/L		103	70 - 130
Methyl tert-butyl ether	25.0	24.6		ug/L		98	70 - 132
Naphthalene	25.0	29.9		ug/L		120	70 - 130
n-Butylbenzene	25.0	23.2		ug/L		93	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-193457/5
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	25.0	23.6		ug/L		94	70 - 130
o-Xylene	25.0	24.7		ug/L		99	70 - 130
p-Isopropyltoluene	25.0	23.9		ug/L		96	70 - 130
sec-Butylbenzene	25.0	24.6		ug/L		98	70 - 130
Styrene	25.0	24.9		ug/L		100	70 - 130
tert-Butylbenzene	25.0	23.5		ug/L		94	70 - 130
Tetrachloroethene	25.0	25.8		ug/L		103	70 - 130
Toluene	25.0	24.7		ug/L		99	80 - 120
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	70 - 130
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	70 - 130
Trichloroethene	25.0	24.7		ug/L		99	70 - 130
Trichlorofluoromethane	25.0	25.6		ug/L		102	70 - 130
Vinyl acetate	25.0	25.3		ug/L		101	63 - 147
Vinyl chloride	25.0	26.9		ug/L		108	70 - 130
Xylenes, Total	50.0	49.3		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*121*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 550-193457/6
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	27.4		ug/L		109	70 - 130	3	20
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	27.4		ug/L		110	70 - 130	2	20
1,1,2-Trichloroethane	25.0	27.3		ug/L		109	70 - 130	1	20
1,1-Dichloroethane	25.0	26.1		ug/L		104	70 - 130	5	20
1,1-Dichloroethene	25.0	26.1		ug/L		104	70 - 130	1	20
1,1-Dichloropropene	25.0	24.9		ug/L		99	70 - 130	0	20
1,2,3-Trichlorobenzene	25.0	29.1		ug/L		117	70 - 130	2	20
1,2,3-Trichloropropane	25.0	25.7		ug/L		103	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	27.5		ug/L		110	70 - 130	4	20
1,2,4-Trimethylbenzene	25.0	25.5		ug/L		102	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	25.0	24.9		ug/L		100	61 - 130	5	21
1,2-Dibromoethane (EDB)	25.0	28.1		ug/L		112	70 - 130	0	20
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130	4	20
1,2-Dichloroethane	25.0	25.4		ug/L		101	70 - 130	1	20
1,2-Dichloropropane	25.0	25.5		ug/L		102	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	25.5		ug/L		102	70 - 130	6	20
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130	4	20
1,3-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	3	20
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130	4	20
2,2-Dichloropropane	25.0	25.1		ug/L		100	70 - 130	8	20
2-Butanone (MEK)	25.0	28.2		ug/L		113	50 - 150	13	34

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-193457/6
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	25.0	23.8		ug/L		95	70 - 130	5	20
2-Hexanone	25.0	24.3		ug/L		97	52 - 138	9	29
4-Chlorotoluene	25.0	24.6		ug/L		98	70 - 130	7	20
4-Methyl-2-pentanone (MIBK)	25.0	23.9		ug/L		95	64 - 131	5	23
Acetone	25.0	26.2		ug/L		105	18 - 150	16	35
Benzene	25.0	25.4		ug/L		102	70 - 130	1	20
Bromobenzene	25.0	26.9		ug/L		108	70 - 130	5	20
Bromochloromethane	25.0	26.9		ug/L		107	70 - 130	1	20
Bromodichloromethane	25.0	25.7		ug/L		103	70 - 130	0	20
Bromoform	25.0	28.0		ug/L		112	70 - 130	2	20
Bromomethane	25.0	26.3		ug/L		105	62 - 136	1	20
Carbon disulfide	25.0	24.4		ug/L		98	70 - 130	0	20
Carbon tetrachloride	25.0	27.3		ug/L		109	70 - 130	0	20
Chlorobenzene	25.0	26.5		ug/L		106	70 - 130	1	20
Chloroethane	25.0	26.6		ug/L		106	70 - 130	3	20
Chloroform	25.0	27.5		ug/L		110	80 - 120	6	20
Chloromethane	25.0	26.1		ug/L		104	64 - 134	2	20
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	70 - 130	2	20
Chlorodibromomethane	25.0	26.6		ug/L		107	70 - 130	2	20
Dibromomethane	25.0	26.7		ug/L		107	70 - 130	1	20
Dichlorodifluoromethane	25.0	24.5		ug/L		98	29 - 150	1	21
Ethylbenzene	25.0	25.0		ug/L		100	80 - 120	1	20
Hexachlorobutadiene	25.0	26.4		ug/L		106	70 - 130	5	20
Iodomethane	25.0	27.1		ug/L		109	70 - 136	1	20
Isopropylbenzene	25.0	25.6		ug/L		102	70 - 130	6	20
m,p-Xylenes	25.0	25.6		ug/L		102	70 - 130	4	20
Methylene Chloride	25.0	26.5		ug/L		106	70 - 130	3	20
Methyl tert-butyl ether	25.0	23.9		ug/L		95	70 - 132	3	20
Naphthalene	25.0	30.0		ug/L		120	70 - 130	0	20
n-Butylbenzene	25.0	24.2		ug/L		97	70 - 130	4	20
n-Propylbenzene	25.0	24.6		ug/L		99	70 - 130	4	20
o-Xylene	25.0	25.7		ug/L		103	70 - 130	4	20
p-Isopropyltoluene	25.0	25.1		ug/L		100	70 - 130	5	20
sec-Butylbenzene	25.0	25.5		ug/L		102	70 - 130	4	20
Styrene	25.0	26.1		ug/L		104	70 - 130	4	20
tert-Butylbenzene	25.0	24.7		ug/L		99	70 - 130	5	20
Tetrachloroethene	25.0	26.0		ug/L		104	70 - 130	1	20
Toluene	25.0	25.1		ug/L		100	80 - 120	2	20
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.4		ug/L		102	70 - 130	1	20
Trichloroethene	25.0	25.3		ug/L		101	70 - 130	2	20
Trichlorofluoromethane	25.0	25.2		ug/L		101	70 - 130	1	20
Vinyl acetate	25.0	24.1	E4	ug/L		96	63 - 147	5	20
Vinyl chloride	25.0	27.0		ug/L		108	70 - 130	0	20
Xylenes, Total	50.0	51.3		ug/L		103	70 - 130	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-193457/6
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*126*		*70 - 130*
Toluene-d8 (Surr)	*111*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 550-131570-2 MS
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Dup-04-20191015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	27.2		ug/L		109	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	26.4		ug/L		106	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		105	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	27.0		ug/L		108	66 - 137
1,1-Dichloroethane	ND	E8	25.0	25.2		ug/L		101	70 - 137
1,1-Dichloroethene	ND	E8	25.0	28.8		ug/L		115	53 - 150
1,1-Dichloropropene	ND	E8	25.0	24.8		ug/L		99	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	29.1		ug/L		116	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	25.0		ug/L		100	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	27.2		ug/L		109	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	25.4		ug/L		102	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	24.1		ug/L		96	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	27.9		ug/L		112	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	25.5		ug/L		102	67 - 131
1,2-Dichloroethane	ND	E8	25.0	24.9		ug/L		100	58 - 146
1,2-Dichloropropane	ND	E8	25.0	25.1		ug/L		101	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	24.7		ug/L		99	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	68 - 130
1,3-Dichloropropane	ND	E8	25.0	26.6		ug/L		106	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	68 - 128
2,2-Dichloropropane	ND	E8	25.0	24.3		ug/L		97	54 - 150
2-Butanone (MEK)	ND	E8	25.0	29.4		ug/L		118	10 - 150
2-Chlorotoluene	ND	E8	25.0	23.6		ug/L		94	63 - 132
2-Hexanone	ND	E8	25.0	23.1		ug/L		92	37 - 150
4-Chlorotoluene	ND	E8	25.0	24.1		ug/L		96	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	23.7		ug/L		95	41 - 150
Acetone	43		25.0	72.4		ug/L		116	10 - 150
Benzene	ND	E8	25.0	25.4		ug/L		102	54 - 142
Bromobenzene	ND	E8	25.0	26.8		ug/L		107	69 - 132
Bromochloromethane	ND	E8	25.0	27.2		ug/L		109	67 - 145
Bromodichloromethane	ND	E8	25.0	25.7		ug/L		103	61 - 143
Bromoform	ND	E8	25.0	27.3		ug/L		109	57 - 142
Bromomethane	ND	E8	25.0	26.8		ug/L		107	56 - 149
Carbon disulfide	ND	E8	25.0	25.8		ug/L		103	48 - 150
Carbon tetrachloride	ND	E8	25.0	27.4		ug/L		110	60 - 143
Chlorobenzene	ND	E8	25.0	26.4		ug/L		106	69 - 129
Chloroethane	ND	E8	25.0	25.8		ug/L		103	60 - 146
Chloroform	1.2	E4	25.0	28.0		ug/L		107	69 - 138
Chloromethane	ND	E8	25.0	25.9		ug/L		104	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131570-2 MS
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Dup-04-20191015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND	E8	25.0	25.6		ug/L		102	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	25.6		ug/L		103	57 - 145
Chlorodibromomethane	ND	E8	25.0	26.1		ug/L		105	61 - 143
Dibromomethane	ND	E8	25.0	27.0		ug/L		108	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	25.8		ug/L		103	21 - 150
Ethylbenzene	ND	E8	25.0	24.9		ug/L		100	46 - 149
Hexachlorobutadiene	ND	E8	25.0	26.2		ug/L		105	49 - 146
Iodomethane	ND	E8	25.0	28.8		ug/L		115	43 - 150
Isopropylbenzene	ND	E8	25.0	25.4		ug/L		102	56 - 143
m,p-Xylenes	ND	E8	25.0	25.5		ug/L		102	52 - 144
Methylene Chloride	ND	E8	25.0	28.0		ug/L		112	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	25.4		ug/L		102	56 - 148
Naphthalene	ND	E8	25.0	29.9		ug/L		120	47 - 150
n-Butylbenzene	ND	E8	25.0	24.1		ug/L		96	54 - 145
n-Propylbenzene	ND	E8	25.0	24.8		ug/L		99	54 - 144
o-Xylene	ND	E8	25.0	25.8		ug/L		103	55 - 143
p-Isopropyltoluene	ND	E8	25.0	24.9		ug/L		100	53 - 147
sec-Butylbenzene	ND	E8	25.0	25.5		ug/L		102	55 - 145
Styrene	ND	E8	25.0	26.1		ug/L		104	21 - 150
tert-Butylbenzene	ND	E8	25.0	24.8		ug/L		99	57 - 143
Tetrachloroethene	0.64	E4	25.0	26.4		ug/L		103	37 - 150
Toluene	ND	E8	25.0	25.3		ug/L		101	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	27.4		ug/L		110	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	25.5		ug/L		102	57 - 147
Trichloroethene	7.9		25.0	34.3		ug/L		106	62 - 134
Trichlorofluoromethane	ND	E8	25.0	25.4		ug/L		102	60 - 150
Vinyl acetate	ND	E8	25.0	23.8	E4	ug/L		95	14 - 150
Vinyl chloride	ND	E8	25.0	26.4		ug/L		106	48 - 150
Xylenes, Total	ND	E8	50.0	51.3		ug/L		103	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*127*		*70 - 130*
Toluene-d8 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 550-131570-2 MSD
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Dup-04-20191015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	28.3		ug/L		113	67 - 137	4	35
1,1,1-Trichloroethane	ND	E8	25.0	27.6		ug/L		111	64 - 143	4	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	28.5		ug/L		114	63 - 136	9	35
1,1,2-Trichloroethane	ND	E8	25.0	28.9		ug/L		116	66 - 137	7	35
1,1-Dichloroethane	ND	E8	25.0	26.9		ug/L		107	70 - 137	6	35
1,1-Dichloroethene	ND	E8	25.0	27.7		ug/L		111	53 - 150	4	35
1,1-Dichloropropene	ND	E8	25.0	26.3		ug/L		105	58 - 141	6	35
1,2,3-Trichlorobenzene	ND	E8	25.0	30.7		ug/L		123	57 - 144	5	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131570-2 MSD
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Dup-04-20191015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND	E8	25.0	28.3		ug/L		113	60 - 138	12	35
1,2,4-Trichlorobenzene	ND	E8	25.0	28.7		ug/L		115	58 - 140	5	35
1,2,4-Trimethylbenzene	ND	E8	25.0	26.4		ug/L		105	50 - 147	4	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.8		ug/L		107	51 - 143	11	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	29.8		ug/L		119	67 - 136	7	35
1,2-Dichlorobenzene	ND	E8	25.0	26.6		ug/L		106	67 - 131	4	35
1,2-Dichloroethane	ND	E8	25.0	26.6		ug/L		107	58 - 146	7	35
1,2-Dichloropropane	ND	E8	25.0	27.0		ug/L		108	66 - 135	7	35
1,3,5-Trimethylbenzene	ND	E8	25.0	25.6		ug/L		102	50 - 147	4	35
1,3-Dichlorobenzene	ND	E8	25.0	26.0		ug/L		104	68 - 130	4	35
1,3-Dichloropropane	ND	E8	25.0	28.3		ug/L		113	67 - 134	6	35
1,4-Dichlorobenzene	ND	E8	25.0	26.7		ug/L		107	68 - 128	7	35
2,2-Dichloropropane	ND	E8	25.0	25.4		ug/L		102	54 - 150	4	35
2-Butanone (MEK)	ND	E8	25.0	30.5		ug/L		122	10 - 150	4	35
2-Chlorotoluene	ND	E8	25.0	24.5		ug/L		98	63 - 132	4	35
2-Hexanone	ND	E8	25.0	25.5		ug/L		102	37 - 150	10	35
4-Chlorotoluene	ND	E8	25.0	25.5		ug/L		102	66 - 131	6	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	26.3		ug/L		105	41 - 150	10	35
Acetone	43		25.0	68.2		ug/L		99	10 - 150	6	35
Benzene	ND	E8	25.0	26.8		ug/L		107	54 - 142	5	35
Bromobenzene	ND	E8	25.0	28.1		ug/L		112	69 - 132	5	35
Bromochloromethane	ND	E8	25.0	29.0		ug/L		116	67 - 145	6	35
Bromodichloromethane	ND	E8	25.0	27.0		ug/L		108	61 - 143	5	35
Bromoform	ND	E8	25.0	29.7		ug/L		119	57 - 142	8	35
Bromomethane	ND	E8	25.0	28.4		ug/L		114	56 - 149	6	35
Carbon disulfide	ND	E8	25.0	25.5		ug/L		102	48 - 150	1	35
Carbon tetrachloride	ND	E8	25.0	28.4		ug/L		114	60 - 143	3	35
Chlorobenzene	ND	E8	25.0	27.7		ug/L		111	69 - 129	5	35
Chloroethane	ND	E8	25.0	27.1		ug/L		108	60 - 146	5	35
Chloroform	1.2	E4	25.0	29.0		ug/L		111	69 - 138	3	35
Chloromethane	ND	E8	25.0	27.7		ug/L		111	50 - 150	6	35
cis-1,2-Dichloroethene	ND	E8	25.0	26.7		ug/L		107	65 - 139	4	35
cis-1,3-Dichloropropene	ND	E8	25.0	27.0		ug/L		108	57 - 145	5	35
Chlorodibromomethane	ND	E8	25.0	28.3		ug/L		113	61 - 143	8	35
Dibromomethane	ND	E8	25.0	28.5		ug/L		114	64 - 138	5	35
Dichlorodifluoromethane	ND	E8	25.0	26.1		ug/L		104	21 - 150	1	35
Ethylbenzene	ND	E8	25.0	26.1		ug/L		104	46 - 149	4	35
Hexachlorobutadiene	ND	E8	25.0	26.9		ug/L		108	49 - 146	3	35
Iodomethane	ND	E8	25.0	28.1		ug/L		112	43 - 150	2	35
Isopropylbenzene	ND	E8	25.0	26.5		ug/L		106	56 - 143	4	35
m,p-Xylenes	ND	E8	25.0	27.0		ug/L		108	52 - 144	6	35
Methylene Chloride	ND	E8	25.0	28.1		ug/L		112	66 - 134	0	35
Methyl tert-butyl ether	ND	E8	25.0	24.5		ug/L		98	56 - 148	4	35
Naphthalene	ND	E8	25.0	32.5		ug/L		130	47 - 150	8	35
n-Butylbenzene	ND	E8	25.0	24.9		ug/L		100	54 - 145	3	35
n-Propylbenzene	ND	E8	25.0	25.8		ug/L		103	54 - 144	4	35
o-Xylene	ND	E8	25.0	26.8		ug/L		107	55 - 143	4	35
p-Isopropyltoluene	ND	E8	25.0	26.0		ug/L		104	53 - 147	4	35
sec-Butylbenzene	ND	E8	25.0	26.5		ug/L		106	55 - 145	4	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-131570-2 MSD
Matrix: Water
Analysis Batch: 193457

Client Sample ID: Dup-04-20191015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND	E8	25.0	27.3		ug/L		109	21 - 150	5	35
tert-Butylbenzene	ND	E8	25.0	26.1		ug/L		104	57 - 143	5	35
Tetrachloroethene	0.64	E4	25.0	27.8		ug/L		109	37 - 150	5	35
Toluene	ND	E8	25.0	26.6		ug/L		106	56 - 141	5	35
trans-1,2-Dichloroethene	ND	E8	25.0	26.9		ug/L		107	69 - 136	2	35
trans-1,3-Dichloropropene	ND	E8	25.0	27.3		ug/L		109	57 - 147	7	35
Trichloroethene	7.9		25.0	35.6		ug/L		111	62 - 134	4	35
Trichlorofluoromethane	ND	E8	25.0	26.6		ug/L		106	60 - 150	4	35
Vinyl acetate	ND	E8	25.0	26.7		ug/L		107	14 - 150	11	35
Vinyl chloride	ND	E8	25.0	28.1		ug/L		112	48 - 150	6	35
Xylenes, Total	ND	E8	50.0	53.8		ug/L		108	53 - 145	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*124*		*70 - 130*
Toluene-d8 (Surr)	*115*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*

QC Association Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

GC/MS VOA

Analysis Batch: 193273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-131570-1	Trip Blank	Total/NA	Water	8260B	
550-131570-2	Dup-04-20191015	Total/NA	Water	8260B	
550-131570-3	AVB74-01-20191015	Total/NA	Water	8260B	
550-131570-4	AVB60-01-20191015	Total/NA	Water	8260B	
550-131570-5	AVB61-01-20191015	Total/NA	Water	8260B	
550-131570-6	AVB10-02-20191015	Total/NA	Water	8260B	
550-131570-7	AVB108-02-20191015	Total/NA	Water	8260B	
550-131570-8	AVB145-01-20191015	Total/NA	Water	8260B	
550-131570-9	AVB143-01-20191015	Total/NA	Water	8260B	
550-131570-10	AVB131-02-20191015	Total/NA	Water	8260B	
550-131570-11	AVB12-01-20191015	Total/NA	Water	8260B	
MB 550-193273/5	Method Blank	Total/NA	Water	8260B	
LCS 550-193273/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-193273/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-131432-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
550-131432-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 193337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-131570-12	AVB106-01-20191015	Total/NA	Water	8260B	
550-131570-13	PDB Blank-20191016	Total/NA	Water	8260B	
550-131570-14	DIMW-7A-20191016	Total/NA	Water	8260B	
550-131570-15	DIMW-6A-20191016	Total/NA	Water	8260B	
550-131570-16	DIMW-5A-20191016	Total/NA	Water	8260B	
550-131570-17	DIMW-8D-20191016	Total/NA	Water	8260B	
550-131570-18	DIMW-9D-20191016	Total/NA	Water	8260B	
550-131570-19	AVB140-01-20191015	Total/NA	Water	8260B	
MB 550-193337/5	Method Blank	Total/NA	Water	8260B	
LCS 550-193337/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-193337/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-131878-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
550-131878-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 193457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-131570-2	Dup-04-20191015	Total/NA	Water	8260B	
550-131570-3	AVB74-01-20191015	Total/NA	Water	8260B	
550-131570-4	AVB60-01-20191015	Total/NA	Water	8260B	
550-131570-5	AVB61-01-20191015	Total/NA	Water	8260B	
550-131570-6	AVB10-02-20191015	Total/NA	Water	8260B	
550-131570-7	AVB108-02-20191015	Total/NA	Water	8260B	
550-131570-8	AVB145-01-20191015	Total/NA	Water	8260B	
550-131570-9	AVB143-01-20191015	Total/NA	Water	8260B	
550-131570-10	AVB131-02-20191015	Total/NA	Water	8260B	
550-131570-11	AVB12-01-20191015	Total/NA	Water	8260B	
MB 550-193457/7	Method Blank	Total/NA	Water	8260B	
LCS 550-193457/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-193457/6	Lab Control Sample Dup	Total/NA	Water	8260B	
550-131570-2 MS	Dup-04-20191015	Total/NA	Water	8260B	
550-131570-2 MSD	Dup-04-20191015	Total/NA	Water	8260B	

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-131570-1

Date Collected: 10/15/19 07:00 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 04:17	R1K	TAL PHX

Client Sample ID: Dup-04-20191015 — Lab Sample ID: 550-131570-2

Date Collected: 10/15/19 08:00 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 04:43	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 14:18	R1K	TAL PHX

Client Sample ID: AVB74-01-20191015 — Lab Sample ID: 550-131570-3

Date Collected: 10/15/19 08:25 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 05:10	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 14:45	R1K	TAL PHX

Client Sample ID: AVB60-01-20191015 — Lab Sample ID: 550-131570-4

Date Collected: 10/15/19 09:10 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 05:37	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 15:11	R1K	TAL PHX

Client Sample ID: AVB61-01-20191015 — Lab Sample ID: 550-131570-5

Date Collected: 10/15/19 09:30 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 06:03	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 15:38	R1K	TAL PHX

Client Sample ID: AVB10-02-20191015 — Lab Sample ID: 550-131570-6

Date Collected: 10/15/19 11:45 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 06:30	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 16:04	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: AVB108-02-20191015 — Lab Sample ID: 550-131570-7

Date Collected: 10/15/19 13:20 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 06:56	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 16:31	R1K	TAL PHX

Client Sample ID: AVB145-01-20191015 — Lab Sample ID: 550-131570-8

Date Collected: 10/15/19 14:00 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 07:23	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 16:57	R1K	TAL PHX

Client Sample ID: AVB143-01-20191015 — Lab Sample ID: 550-131570-9

Date Collected: 10/15/19 15:10 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 07:49	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 17:24	R1K	TAL PHX

Client Sample ID: AVB131-02-20191015 — Lab Sample ID: 550-131570-10

Date Collected: 10/15/19 15:30 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 08:16	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 17:50	R1K	TAL PHX

Client Sample ID: AVB12-01-20191015 — Lab Sample ID: 550-131570-11

Date Collected: 10/15/19 16:00 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193273	10/24/19 08:42	R1K	TAL PHX
Total/NA	Analysis	8260B		1	193457	10/25/19 18:17	R1K	TAL PHX

Client Sample ID: AVB106-01-20191015 — Lab Sample ID: 550-131570-12

Date Collected: 10/15/19 16:30 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 13:23	R1K	TAL PHX

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Client Sample ID: PDB Blank-20191016 — Lab Sample ID: 550-131570-13

Date Collected: 10/16/19 09:30 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 13:50	R1K	TAL PHX

Client Sample ID: DIMW-7A-20191016 — Lab Sample ID: 550-131570-14

Date Collected: 10/16/19 07:25 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 14:17	R1K	TAL PHX

Client Sample ID: DIMW-6A-20191016 — Lab Sample ID: 550-131570-15

Date Collected: 10/16/19 07:55 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 14:43	R1K	TAL PHX

Client Sample ID: DIMW-5A-20191016 — Lab Sample ID: 550-131570-16

Date Collected: 10/16/19 08:20 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 15:10	R1K	TAL PHX

Client Sample ID: DIMW-8D-20191016 — Lab Sample ID: 550-131570-17

Date Collected: 10/16/19 08:45 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 15:36	R1K	TAL PHX

Client Sample ID: DIMW-9D-20191016 — Lab Sample ID: 550-131570-18

Date Collected: 10/16/19 09:10 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 16:02	R1K	TAL PHX

Client Sample ID: AVB140-01-20191015 — Lab Sample ID: 550-131570-19

Date Collected: 10/15/19 14:45 — **Matrix: Water**
Date Received: 10/16/19 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	193337	10/24/19 16:29	R1K	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-131570-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
5030C	Purge and Trap	SW846	TAL PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

131570

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashbock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.12
Client Contact: Mr. Tom McKeon	Phone: 805-407-0351	E-Mail: mary.charlson@testamericainc.com		Page: Page 12 ~~of 20~~ 1 of 2
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 day			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Nasto@calibre.com roy.ashbock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Trip Blank	10/15/19	0700	grab	Water			3		-01
DUP-04-20191015	10/15/19	0800	grab	Water			3		-02
AVB 74-01-20191015	10/15/19	0825	grab	Water			3		-03
AVB 60-01-20191015	10/15/19	0910	grab	Water			3		-04
AVB 61-01-20191015	10/15/19	0930	grab	Water			3		-05
AVB 10-02-20191015	10/15/19	1145	grab	Water			3		-06
AVB 108-02-20191015	10/15/19	1320	grab	Water			3		-07
AVB 145-01-20191015	10/15/19	1400	grab	Water			3		-08
AVB 143-01-20191015	10/15/19	1510	grab	Water			3		-09
AVB 131-02-20191015	10/15/19	1530	grab	Water			3		-10
AVB 12-01-20191015	10/15/19	1600	grab	Water			3		-11

550-131570 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Ash	10/16/19 1136	Calibre			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-16-19 1136	Company: TAPHO

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks: (5.0°C) cold

Ver: 01/16/2019

10/29/2019

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

131570

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashlock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.15
Client Contact: Mr. Tom McKeon	Phone: 805-407-0357	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~15 of 20~~ 2 of 2
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 day			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com Justin.Nesteff@calibre.com roy.ashlock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AUB 106-01-20191015	10/15/19	1630	grab	Water			3		-12
PDB Blank-20191016	10/16/19	0930	grab	Water			3		-13
DIMW-7A-20191016	10/16/19	0735	grab	Water			3		-14
DIMW-6A-20191016	10/16/19	0755	grab	Water			3		-15
DIMW-5A-20191016	10/16/19	0820	grab	Water			3		-16
DIMW-8D-20191016	10/16/19	0845	grab	Water			3		-17
DIMW-9D-20191016	10/16/19	0910	grab	Water			3		-18
AUB140-01-20191015	10/15/19	1445	grab	Water			3		-19
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Roy Ashlock	10/16/19 1136	Calibre			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				10/16/19 1136	TAPHO

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: (5.0°C)

Ver: 01/16/2019

10/29/2019

Login Sample Receipt Checklist

Client: Calibre Systems, Inc.

Job Number: 550-131570-1

Login Number: 131570
List Number: 1
Creator: Gravlin, Andrea

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

Data Validation Summary
Groundwater Sampling
West Van Buren Site, Phoenix, Arizona

Matrix Environmental Services (MES) reviewed the analytical data in accordance with the Remedial Projects Section Quality Assurance Project Plan (QAPP), Arizona Department of Environmental Quality (AZDEQ)(AZDEQ, February 2017, Revision A), and Standard Operating Procedures, Data Validation Procedures for Routine Volatile Organic Analysis, Response Engineering and Analytical Contract (SERAS) laboratory (SERAS, 2004). The data review process included reviewing and evaluating 100 percent of the hard copy data for (1) extraction and analysis holding times, (2) surrogate recoveries, (3) blank detections, (4) laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries and relative percent differences (RPDs), (5) matrix spike/matrix spike duplicate (MS/MSD) recoveries and RPDs, (6) field duplicate (FD) RPDs, (7) initial and continuing calibrations, (8) instrument tuning and performance, (9) internal standards, (10) cooler temperature, and (11) overall assessment.

Eurofins TestAmerica Laboratories, Inc. (TA) of Phoenix, Arizona analyzed the samples for Calibre Systems, Inc of Bellevue Washington. Samples were collected at the West Van Buren Site in Phoenix, Arizona November 7, 2019. Based on this review, the analytical data generated for the sampling event are acceptable and adequate to fulfill program objectives.

ADEQ QAPP 2017) Partial Data Validation Checklist (from Table D1 of QAPP)
http://static.azdeq.gov/wqarf/qaprp.pdf

West Van Buren Data Package J132982-1, Report Dated 11/22/2019 3 groundwater samples analyzed for volatile organic compounds by EPA Method 8260B
Reviewed by Betty Van Pelt, CALIBRE Systems Inc. 1/27/2020

Criteria	**Notes**	**Result**
Holding times	Check Case Narrative	Samples collected on 11/7, delivered to lab on 11/8, therefoer met holding times.
Calibration	Check Case Narrative, review calibration data	No anomalies mentioned.
Blanks	Check Case Narrative, review blanks data	Method blanks samples within limits with the exception of MB 550-195349/5: All µg/L 1,2,3-trichlorobenzene 0.629 E4 1,2,4-Trichlorobenzene 0.510 E4 1,2,4-trimethylbenzene 0.251 E4 1,3,5-trimethylbenezene 0.218 E4 1,3-dichlorobenzene 0.176 E4 1,4-dichlorobenzene 0.184 E4 Hexachlorobutadiene 0.396 E4 Naphthalene 0.733 E4 n-butylbenzene 0.340 E4 n-propylbenzene 0.261 E4 p-isopropyltoluene 0.268 E4 sec-butylbenzene 0.231 E4 None of these analytes detected in the associated sample (AV6-77-03).
Surrogate recovery	Check Case Narrative, review surrogate data	Within limits for all samples.
Matrix spike and matrix spike duplicate recovery	Check Case Narrative, review MS/MSDs	MS/MSD not analyzed on this DG
Laboratory control sample or blank spike	Check Case Narrative, review LCS and or blank spikes	Lab control samples within limits.
Internal standard performance	Check Case Narrative	No anomalies mentioned.
Field duplicate sample analysis	Calculate relative percent difference for all field dupes	No Field duplicate in this SDG.
Temperature	Check Case Narrative	No anomalies noted.

Overall assessment of data for an SDG	Any reason to reject data or perform full validation?	The data are acceptable for site characterization purposes.

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-132982-1
Client Project/Site: West Van Buren

For:
Calibre Systems, Inc.
16935 South East 39th Street
Bellevue, Washington 98008

Attn: Mr. Tom McKeon

Authorized for release by:
11/22/2019 4:35:09 PM

Mary Charlson, Project Manager I
(602)437-3340
mary.charlson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Sample Summary 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 13
QC Sample Results 14
QC Association Summary 39
Lab Chronicle 40
Certification Summary 41
Method Summary 42
Chain of Custody 43
Receipt Checklists 44

Definitions/Glossary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike was acceptable.
R4	MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-132982-1	Trip Blank	Water	11/07/19 08:00	11/08/19 09:59	
550-132982-2	AVB-77-02	Water	11/07/19 10:00	11/08/19 09:59	
550-132982-3	AVB-77-01	Water	11/07/19 10:30	11/08/19 09:59	
550-132982-4	AVB-77-03	Water	11/07/19 11:15	11/08/19 09:59	

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-132982-1

No Detections.

Client Sample ID: AVB-77-02 — Lab Sample ID: 550-132982-2

No Detections.

Client Sample ID: AVB-77-01 — Lab Sample ID: 550-132982-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.71	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.1	E4	2.0	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AVB-77-03 — Lab Sample ID: 550-132982-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.36	E4	2.0	0.13	ug/L	1		8260B	Total/NA
Chloromethane	0.38	E4	5.0	0.21	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.23	E4	2.0	0.21	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.98	E4	2.0	0.18	ug/L	1		8260B	Total/NA
Trichloroethene	1.8	E4	2.0	0.24	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: Trip Blank

Lab Sample ID: 550-132982-1

Date Collected: 11/07/19 08:00
Date Received: 11/08/19 09:59

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/11/19 12:07	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/11/19 12:07	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/11/19 12:07	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/11/19 12:07	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/11/19 12:07	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/11/19 12:07	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/11/19 12:07	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			11/11/19 12:07	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/11/19 12:07	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			11/11/19 12:07	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			11/11/19 12:07	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/11/19 12:07	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/11/19 12:07	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/11/19 12:07	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/11/19 12:07	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/11/19 12:07	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			11/11/19 12:07	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			11/11/19 12:07	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/11/19 12:07	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			11/11/19 12:07	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/11/19 12:07	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/11/19 12:07	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/11/19 12:07	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/11/19 12:07	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/11/19 12:07	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/11/19 12:07	1
Acetone	ND	E8	20	7.3	ug/L			11/11/19 12:07	1
Benzene	ND	E8	2.0	0.12	ug/L			11/11/19 12:07	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/11/19 12:07	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/11/19 12:07	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/11/19 12:07	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/11/19 12:07	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/11/19 12:07	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/11/19 12:07	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/11/19 12:07	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/11/19 12:07	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/11/19 12:07	1
Chloroform	ND	E8	2.0	0.13	ug/L			11/11/19 12:07	1
Chloromethane	ND	E8	5.0	0.21	ug/L			11/11/19 12:07	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			11/11/19 12:07	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/11/19 12:07	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/11/19 12:07	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/11/19 12:07	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/11/19 12:07	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/11/19 12:07	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			11/11/19 12:07	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/11/19 12:07	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/11/19 12:07	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/11/19 12:07	1

Client Sample ID: Trip Blank

Lab Sample ID: 550-132982-1

Date Collected: 11/07/19 08:00
Matrix: Water
Date Received: 11/08/19 09:59

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/11/19 12:07	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/11/19 12:07	1
Naphthalene	ND	E8	5.0	0.51	ug/L			11/11/19 12:07	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			11/11/19 12:07	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			11/11/19 12:07	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/11/19 12:07	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			11/11/19 12:07	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			11/11/19 12:07	1
Styrene	ND	E8	2.0	0.17	ug/L			11/11/19 12:07	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/11/19 12:07	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			11/11/19 12:07	1
Toluene	ND	E8	2.0	0.28	ug/L			11/11/19 12:07	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/11/19 12:07	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/11/19 12:07	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			11/11/19 12:07	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/11/19 12:07	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/11/19 12:07	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/11/19 12:07	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/11/19 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*11/11/19 12:07*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*11/11/19 12:07*	*1*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*		*11/11/19 12:07*	*1*

Client Sample ID: AVB-77-02

Lab Sample ID: 550-132982-2

Date Collected: 11/07/19 10:00
Matrix: Water
Date Received: 11/08/19 09:59

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/13/19 04:47	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/13/19 04:47	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/13/19 04:47	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 04:47	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/13/19 04:47	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/13/19 04:47	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/13/19 04:47	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			11/13/19 04:47	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/13/19 04:47	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			11/13/19 04:47	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			11/13/19 04:47	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/13/19 04:47	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/13/19 04:47	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/13/19 04:47	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 04:47	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 04:47	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			11/13/19 04:47	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			11/13/19 04:47	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 04:47	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: AVB-77-02

Date Collected: 11/07/19 10:00
Date Received: 11/08/19 09:59

Lab Sample ID: 550-132982-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 04:47	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/13/19 04:47	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/13/19 04:47	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/13/19 04:47	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/13/19 04:47	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/13/19 04:47	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/13/19 04:47	1
Acetone	ND	E8	20	7.3	ug/L			11/13/19 04:47	1
Benzene	ND	E8	2.0	0.12	ug/L			11/13/19 04:47	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/13/19 04:47	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/13/19 04:47	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/13/19 04:47	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/13/19 04:47	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/13/19 04:47	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/13/19 04:47	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/13/19 04:47	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 04:47	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/13/19 04:47	1
Chloroform	ND	E8	2.0	0.13	ug/L			11/13/19 04:47	1
Chloromethane	ND	E8	5.0	0.21	ug/L			11/13/19 04:47	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			11/13/19 04:47	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/13/19 04:47	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/13/19 04:47	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/13/19 04:47	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 04:47	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/13/19 04:47	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			11/13/19 04:47	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/13/19 04:47	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/13/19 04:47	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/13/19 04:47	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/13/19 04:47	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/13/19 04:47	1
Naphthalene	ND	E8	5.0	0.51	ug/L			11/13/19 04:47	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			11/13/19 04:47	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			11/13/19 04:47	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/13/19 04:47	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			11/13/19 04:47	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			11/13/19 04:47	1
Styrene	ND	E8	2.0	0.17	ug/L			11/13/19 04:47	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/13/19 04:47	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			11/13/19 04:47	1
Toluene	ND	E8	2.0	0.28	ug/L			11/13/19 04:47	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/13/19 04:47	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/13/19 04:47	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			11/13/19 04:47	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 04:47	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/13/19 04:47	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/13/19 04:47	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/13/19 04:47	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: AVB-77-02

Lab Sample ID: 550-132982-2

Date Collected: 11/07/19 10:00
Matrix: Water
Date Received: 11/08/19 09:59

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*11/13/19 04:47*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*11/13/19 04:47*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*11/13/19 04:47*	*1*

Client Sample ID: AVB-77-01

Lab Sample ID: 550-132982-3

Date Collected: 11/07/19 10:30
Matrix: Water
Date Received: 11/08/19 09:59

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/13/19 05:14	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/13/19 05:14	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/13/19 05:14	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 05:14	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/13/19 05:14	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/13/19 05:14	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/13/19 05:14	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			11/13/19 05:14	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/13/19 05:14	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			11/13/19 05:14	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			11/13/19 05:14	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/13/19 05:14	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/13/19 05:14	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/13/19 05:14	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 05:14	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 05:14	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			11/13/19 05:14	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			11/13/19 05:14	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 05:14	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 05:14	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/13/19 05:14	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/13/19 05:14	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/13/19 05:14	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/13/19 05:14	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/13/19 05:14	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/13/19 05:14	1
Acetone	ND	E8	20	7.3	ug/L			11/13/19 05:14	1
Benzene	ND	E8	2.0	0.12	ug/L			11/13/19 05:14	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/13/19 05:14	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/13/19 05:14	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/13/19 05:14	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/13/19 05:14	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/13/19 05:14	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/13/19 05:14	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/13/19 05:14	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 05:14	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/13/19 05:14	1
Chloroform	ND	E8	2.0	0.13	ug/L			11/13/19 05:14	1
Chloromethane	ND	E8	5.0	0.21	ug/L			11/13/19 05:14	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			11/13/19 05:14	1

Client Sample ID: AVB-77-01

Lab Sample ID: 550-132982-3

Date Collected: 11/07/19 10:30
Matrix: Water
Date Received: 11/08/19 09:59

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/13/19 05:14	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/13/19 05:14	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/13/19 05:14	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 05:14	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/13/19 05:14	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			11/13/19 05:14	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/13/19 05:14	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/13/19 05:14	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/13/19 05:14	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/13/19 05:14	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/13/19 05:14	1
Naphthalene	ND	E8	5.0	0.51	ug/L			11/13/19 05:14	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			11/13/19 05:14	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			11/13/19 05:14	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/13/19 05:14	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			11/13/19 05:14	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			11/13/19 05:14	1
Styrene	ND	E8	2.0	0.17	ug/L			11/13/19 05:14	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/13/19 05:14	1
Tetrachloroethene	**0.71**	**E4**	2.0	0.18	ug/L			11/13/19 05:14	1
Toluene	ND	E8	2.0	0.28	ug/L			11/13/19 05:14	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/13/19 05:14	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/13/19 05:14	1
Trichloroethene	**1.1**	**E4**	2.0	0.24	ug/L			11/13/19 05:14	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 05:14	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/13/19 05:14	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/13/19 05:14	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/13/19 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*11/13/19 05:14*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*11/13/19 05:14*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*11/13/19 05:14*	*1*

Client Sample ID: AVB-77-03

Lab Sample ID: 550-132982-4

Date Collected: 11/07/19 11:15
Matrix: Water
Date Received: 11/08/19 09:59

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/13/19 20:22	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/13/19 20:22	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/13/19 20:22	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 20:22	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/13/19 20:22	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/13/19 20:22	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/13/19 20:22	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			11/13/19 20:22	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/13/19 20:22	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			11/13/19 20:22	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: AVB-77-03

Date Collected: 11/07/19 11:15
Date Received: 11/08/19 09:59

Lab Sample ID: 550-132982-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			11/13/19 20:22	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/13/19 20:22	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/13/19 20:22	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/13/19 20:22	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 20:22	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 20:22	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			11/13/19 20:22	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			11/13/19 20:22	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 20:22	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 20:22	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/13/19 20:22	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/13/19 20:22	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/13/19 20:22	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/13/19 20:22	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/13/19 20:22	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/13/19 20:22	1
Acetone	ND	E8	20	7.3	ug/L			11/13/19 20:22	1
Benzene	ND	E8	2.0	0.12	ug/L			11/13/19 20:22	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/13/19 20:22	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/13/19 20:22	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/13/19 20:22	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/13/19 20:22	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/13/19 20:22	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/13/19 20:22	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/13/19 20:22	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 20:22	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/13/19 20:22	1
Chloroform	**0.36**	**E4**	2.0	0.13	ug/L			11/13/19 20:22	1
Chloromethane	**0.38**	**E4**	5.0	0.21	ug/L			11/13/19 20:22	1
cis-1,2-Dichloroethene	**0.23**	**E4**	2.0	0.21	ug/L			11/13/19 20:22	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/13/19 20:22	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/13/19 20:22	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/13/19 20:22	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 20:22	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/13/19 20:22	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			11/13/19 20:22	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/13/19 20:22	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/13/19 20:22	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/13/19 20:22	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/13/19 20:22	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/13/19 20:22	1
Naphthalene	ND	E8	5.0	0.51	ug/L			11/13/19 20:22	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			11/13/19 20:22	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			11/13/19 20:22	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/13/19 20:22	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			11/13/19 20:22	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			11/13/19 20:22	1
Styrene	ND	E8	2.0	0.17	ug/L			11/13/19 20:22	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/13/19 20:22	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: AVB-77-03

Lab Sample ID: 550-132982-4

Date Collected: 11/07/19 11:15

Matrix: Water

Date Received: 11/08/19 09:59

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.98**	**E4**	2.0	0.18	ug/L			11/13/19 20:22	1
Toluene	ND	E8	2.0	0.28	ug/L			11/13/19 20:22	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/13/19 20:22	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/13/19 20:22	1
Trichloroethene	**1.8**	**E4**	2.0	0.24	ug/L			11/13/19 20:22	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 20:22	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/13/19 20:22	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/13/19 20:22	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/13/19 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*11/13/19 20:22*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*11/13/19 20:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*11/13/19 20:22*	*1*

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	**Client Sample ID**	**DBFM (70-130)**	**TOL (70-130)**	**BFB (70-130)**
550-132765-A-24 MS	Matrix Spike	98	103	83
550-132765-A-24 MSD	Matrix Spike Duplicate	112	122	89
550-132943-A-2 MS	Matrix Spike	118	113	114
550-132943-A-2 MSD	Matrix Spike Duplicate	116	114	113
550-132943-A-15 MS	Matrix Spike	101	93	103
550-132943-A-15 MSD	Matrix Spike Duplicate	106	93	103
550-132982-1	Trip Blank	104	112	83
550-132982-2	AVB-77-02	110	109	109
550-132982-3	AVB-77-01	108	107	110
550-132982-4	AVB-77-03	104	92	101
LCS 550-195036/3	Lab Control Sample	113	120	104
LCS 550-195291/3	Lab Control Sample	107	107	105
LCS 550-195349/3	Lab Control Sample	101	93	105
LCSD 550-195036/4	Lab Control Sample Dup	111	116	97
LCSD 550-195291/4	Lab Control Sample Dup	106	105	104
LCSD 550-195349/4	Lab Control Sample Dup	102	94	102
MB 550-195036/7	Method Blank	99	109	83
MB 550-195291/5	Method Blank	108	107	109
MB 550-195349/5	Method Blank	103	94	93

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-195036/7
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/11/19 10:14	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/11/19 10:14	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/11/19 10:14	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/11/19 10:14	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/11/19 10:14	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/11/19 10:14	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/11/19 10:14	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			11/11/19 10:14	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/11/19 10:14	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			11/11/19 10:14	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			11/11/19 10:14	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/11/19 10:14	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/11/19 10:14	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/11/19 10:14	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/11/19 10:14	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/11/19 10:14	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			11/11/19 10:14	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			11/11/19 10:14	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/11/19 10:14	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			11/11/19 10:14	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/11/19 10:14	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/11/19 10:14	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/11/19 10:14	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/11/19 10:14	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/11/19 10:14	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/11/19 10:14	1
Acetone	ND	E8	20	7.3	ug/L			11/11/19 10:14	1
Benzene	ND	E8	2.0	0.12	ug/L			11/11/19 10:14	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/11/19 10:14	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/11/19 10:14	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/11/19 10:14	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/11/19 10:14	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/11/19 10:14	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/11/19 10:14	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/11/19 10:14	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/11/19 10:14	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/11/19 10:14	1
Chloroform	ND	E8	2.0	0.13	ug/L			11/11/19 10:14	1
Chloromethane	ND	E8	5.0	0.21	ug/L			11/11/19 10:14	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			11/11/19 10:14	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/11/19 10:14	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/11/19 10:14	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/11/19 10:14	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/11/19 10:14	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/11/19 10:14	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			11/11/19 10:14	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/11/19 10:14	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/11/19 10:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-195036/7
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/11/19 10:14	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/11/19 10:14	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/11/19 10:14	1
Naphthalene	ND	E8	5.0	0.51	ug/L			11/11/19 10:14	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			11/11/19 10:14	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			11/11/19 10:14	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/11/19 10:14	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			11/11/19 10:14	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			11/11/19 10:14	1
Styrene	ND	E8	2.0	0.17	ug/L			11/11/19 10:14	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/11/19 10:14	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			11/11/19 10:14	1
Toluene	ND	E8	2.0	0.28	ug/L			11/11/19 10:14	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/11/19 10:14	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/11/19 10:14	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			11/11/19 10:14	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/11/19 10:14	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/11/19 10:14	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/11/19 10:14	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/11/19 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*11/11/19 10:14*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*11/11/19 10:14*	*1*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*		*11/11/19 10:14*	*1*

Lab Sample ID: LCS 550-195036/3
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 130
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	70 - 130
1,1,2,2-Tetrachloroethane	25.0	27.4		ug/L		109	70 - 130
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	70 - 130
1,1-Dichloroethane	25.0	24.9		ug/L		100	70 - 130
1,1-Dichloroethene	25.0	25.4		ug/L		102	70 - 130
1,1-Dichloropropene	25.0	22.6		ug/L		90	70 - 130
1,2,3-Trichlorobenzene	25.0	26.0		ug/L		104	70 - 130
1,2,3-Trichloropropane	25.0	27.6		ug/L		110	70 - 130
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	25.0	28.2		ug/L		113	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.6		ug/L		106	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.3		ug/L		97	70 - 130
1,2-Dichlorobenzene	25.0	26.9		ug/L		108	70 - 130
1,2-Dichloroethane	25.0	23.9		ug/L		95	70 - 130
1,2-Dichloropropane	25.0	24.8		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	25.0	27.8		ug/L		111	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-195036/3
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	70 - 130
1,3-Dichloropropane	25.0	25.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
2,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130
2-Butanone (MEK)	25.0	27.2		ug/L		109	50 - 150
2-Chlorotoluene	25.0	27.1		ug/L		108	70 - 130
2-Hexanone	25.0	26.5		ug/L		106	52 - 138
4-Chlorotoluene	25.0	26.4		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	27.0		ug/L		108	64 - 131
Acetone	25.0	29.7		ug/L		119	18 - 150
Benzene	25.0	23.3		ug/L		93	70 - 130
Bromobenzene	25.0	24.8		ug/L		99	70 - 130
Bromochloromethane	25.0	25.3		ug/L		101	70 - 130
Bromodichloromethane	25.0	24.8		ug/L		99	70 - 130
Bromoform	25.0	25.2		ug/L		101	70 - 130
Bromomethane	25.0	24.6		ug/L		98	62 - 136
Carbon disulfide	25.0	24.8		ug/L		99	70 - 130
Carbon tetrachloride	25.0	23.9		ug/L		96	70 - 130
Chlorobenzene	25.0	24.7		ug/L		99	70 - 130
Chloroethane	25.0	23.4		ug/L		94	70 - 130
Chloroform	25.0	24.6		ug/L		98	80 - 120
Chloromethane	25.0	24.7		ug/L		99	64 - 134
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	70 - 130
cis-1,3-Dichloropropene	25.0	26.6		ug/L		107	70 - 130
Chlorodibromomethane	25.0	25.4		ug/L		102	70 - 130
Dibromomethane	25.0	25.0		ug/L		100	70 - 130
Dichlorodifluoromethane	25.0	20.4		ug/L		82	29 - 150
Ethylbenzene	25.0	25.2		ug/L		101	80 - 120
Hexachlorobutadiene	25.0	24.4		ug/L		98	70 - 130
Iodomethane	25.0	25.8		ug/L		103	70 - 136
Isopropylbenzene	25.0	25.6		ug/L		102	70 - 130
m,p-Xylenes	25.0	24.6		ug/L		98	70 - 130
Methylene Chloride	25.0	24.8		ug/L		99	70 - 130
Methyl tert-butyl ether	25.0	26.3		ug/L		105	70 - 132
Naphthalene	25.0	26.6		ug/L		107	70 - 130
n-Butylbenzene	25.0	27.8		ug/L		111	70 - 130
n-Propylbenzene	25.0	27.8		ug/L		111	70 - 130
o-Xylene	25.0	24.1		ug/L		96	70 - 130
p-Isopropyltoluene	25.0	26.3		ug/L		105	70 - 130
sec-Butylbenzene	25.0	25.1		ug/L		101	70 - 130
Styrene	25.0	23.8		ug/L		95	70 - 130
tert-Butylbenzene	25.0	23.9		ug/L		96	70 - 130
Tetrachloroethene	25.0	24.7		ug/L		99	70 - 130
Toluene	25.0	25.3		ug/L		101	80 - 120
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	70 - 130
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	70 - 130
Trichloroethene	25.0	24.8		ug/L		99	70 - 130
Trichlorofluoromethane	25.0	25.4		ug/L		102	70 - 130
Vinyl acetate	25.0	21.7	E4	ug/L		87	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-195036/3
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	25.0		ug/L		100	70 - 130
Xylenes, Total	50.0	48.7		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*113*		*70 - 130*
Toluene-d8 (Surr)	*120*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 550-195036/4
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	27.1		ug/L		108	70 - 130	8	20
1,1,1-Trichloroethane	25.0	26.6		ug/L		106	70 - 130	5	20
1,1,2,2-Tetrachloroethane	25.0	27.5		ug/L		110	70 - 130	0	20
1,1,2-Trichloroethane	25.0	24.4		ug/L		97	70 - 130	1	20
1,1-Dichloroethane	25.0	26.1		ug/L		104	70 - 130	5	20
1,1-Dichloroethene	25.0	26.7		ug/L		107	70 - 130	5	20
1,1-Dichloropropene	25.0	23.1		ug/L		92	70 - 130	2	20
1,2,3-Trichlorobenzene	25.0	28.9		ug/L		116	70 - 130	11	20
1,2,3-Trichloropropane	25.0	27.9		ug/L		112	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	27.8		ug/L		111	70 - 130	5	20
1,2,4-Trimethylbenzene	25.0	28.3		ug/L		113	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	28.9		ug/L		116	61 - 130	8	21
1,2-Dibromoethane (EDB)	25.0	24.3		ug/L		97	70 - 130	0	20
1,2-Dichlorobenzene	25.0	27.0		ug/L		108	70 - 130	0	20
1,2-Dichloroethane	25.0	22.7		ug/L		91	70 - 130	5	20
1,2-Dichloropropane	25.0	24.9		ug/L		99	70 - 130	0	20
1,3,5-Trimethylbenzene	25.0	27.2		ug/L		109	70 - 130	2	20
1,3-Dichlorobenzene	25.0	26.6		ug/L		106	70 - 130	0	20
1,3-Dichloropropane	25.0	24.6		ug/L		98	70 - 130	2	20
1,4-Dichlorobenzene	25.0	24.9		ug/L		99	70 - 130	2	20
2,2-Dichloropropane	25.0	26.8		ug/L		107	70 - 130	6	20
2-Butanone (MEK)	25.0	24.9		ug/L		99	50 - 150	9	34
2-Chlorotoluene	25.0	26.4		ug/L		106	70 - 130	3	20
2-Hexanone	25.0	27.8		ug/L		111	52 - 138	5	29
4-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	25.0	28.1		ug/L		113	64 - 131	4	23
Acetone	25.0	25.5		ug/L		102	18 - 150	15	35
Benzene	25.0	23.5		ug/L		94	70 - 130	1	20
Bromobenzene	25.0	23.5		ug/L		94	70 - 130	6	20
Bromochloromethane	25.0	26.9		ug/L		108	70 - 130	6	20
Bromodichloromethane	25.0	25.2		ug/L		101	70 - 130	2	20
Bromoform	25.0	24.8		ug/L		99	70 - 130	2	20
Bromomethane	25.0	22.8		ug/L		91	62 - 136	8	20
Carbon disulfide	25.0	26.2		ug/L		105	70 - 130	5	20
Carbon tetrachloride	25.0	24.7		ug/L		99	70 - 130	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-195036/4
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	24.6		ug/L		98	70 - 130	1	20
Chloroethane	25.0	24.0		ug/L		96	70 - 130	3	20
Chloroform	25.0	24.8		ug/L		99	80 - 120	1	20
Chloromethane	25.0	25.9		ug/L		104	64 - 134	5	20
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	70 - 130	3	20
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	70 - 130	3	20
Chlorodibromomethane	25.0	25.5		ug/L		102	70 - 130	0	20
Dibromomethane	25.0	25.2		ug/L		101	70 - 130	1	20
Dichlorodifluoromethane	25.0	24.9		ug/L		100	29 - 150	20	21
Ethylbenzene	25.0	26.0		ug/L		104	80 - 120	3	20
Hexachlorobutadiene	25.0	24.6		ug/L		98	70 - 130	1	20
Iodomethane	25.0	27.0		ug/L		108	70 - 136	5	20
Isopropylbenzene	25.0	25.4		ug/L		102	70 - 130	1	20
m,p-Xylenes	25.0	23.4		ug/L		94	70 - 130	5	20
Methylene Chloride	25.0	25.7		ug/L		103	70 - 130	3	20
Methyl tert-butyl ether	25.0	27.9		ug/L		112	70 - 132	6	20
Naphthalene	25.0	29.1		ug/L		117	70 - 130	9	20
n-Butylbenzene	25.0	27.9		ug/L		112	70 - 130	0	20
n-Propylbenzene	25.0	27.6		ug/L		110	70 - 130	1	20
o-Xylene	25.0	24.1		ug/L		96	70 - 130	0	20
p-Isopropyltoluene	25.0	26.5		ug/L		106	70 - 130	1	20
sec-Butylbenzene	25.0	24.3		ug/L		97	70 - 130	3	20
Styrene	25.0	23.6		ug/L		94	70 - 130	1	20
tert-Butylbenzene	25.0	23.3		ug/L		93	70 - 130	3	20
Tetrachloroethene	25.0	24.9		ug/L		100	70 - 130	1	20
Toluene	25.0	25.4		ug/L		102	80 - 120	0	20
trans-1,2-Dichloroethene	25.0	27.5		ug/L		110	70 - 130	6	20
trans-1,3-Dichloropropene	25.0	23.4		ug/L		94	70 - 130	7	20
Trichloroethene	25.0	24.5		ug/L		98	70 - 130	1	20
Trichlorofluoromethane	25.0	27.6		ug/L		110	70 - 130	8	20
Vinyl acetate	25.0	21.3	E4	ug/L		85	63 - 147	2	20
Vinyl chloride	25.0	26.3		ug/L		105	70 - 130	5	20
Xylenes, Total	50.0	47.5		ug/L		95	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*111*		*70 - 130*
Toluene-d8 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 550-132765-A-24 MS
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		104	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	25.9		ug/L		104	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	25.6		ug/L		102	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	24.8		ug/L		99	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132765-A-24 MS
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND	E8	25.0	25.1		ug/L		100	70 - 137
1,1-Dichloroethene	ND	E8	25.0	26.0		ug/L		104	53 - 150
1,1-Dichloropropene	ND	E8	25.0	24.9		ug/L		100	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	25.9		ug/L		103	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	27.1		ug/L		108	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	25.2		ug/L		101	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	27.4		ug/L		109	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.5		ug/L		106	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	24.4		ug/L		98	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	25.9		ug/L		104	67 - 131
1,2-Dichloroethane	ND	E8	25.0	24.3		ug/L		97	58 - 146
1,2-Dichloropropane	ND	E8	25.0	25.1		ug/L		100	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	26.6		ug/L		106	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	25.9		ug/L		104	68 - 130
1,3-Dichloropropane	ND	E8	25.0	25.1		ug/L		100	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	24.3		ug/L		97	68 - 128
2,2-Dichloropropane	ND	E8	25.0	26.5		ug/L		106	54 - 150
2-Butanone (MEK)	ND	E8	25.0	24.5		ug/L		98	10 - 150
2-Chlorotoluene	ND	E8	25.0	26.0		ug/L		104	63 - 132
2-Hexanone	ND	E8	25.0	27.8		ug/L		111	37 - 150
4-Chlorotoluene	ND	E8	25.0	24.8		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	27.4		ug/L		110	41 - 150
Acetone	ND	E8	25.0	25.7		ug/L		103	10 - 150
Benzene	ND	E8	25.0	24.7		ug/L		99	54 - 142
Bromobenzene	ND	E8	25.0	23.0		ug/L		92	69 - 132
Bromochloromethane	ND	E8	25.0	24.5		ug/L		98	67 - 145
Bromodichloromethane	ND	E8	25.0	26.1		ug/L		104	61 - 143
Bromoform	ND	E8	25.0	23.9		ug/L		96	57 - 142
Bromomethane	ND	E8	25.0	23.0		ug/L		92	56 - 149
Carbon disulfide	ND	E8	25.0	25.2		ug/L		101	48 - 150
Carbon tetrachloride	ND	E8	25.0	27.1		ug/L		108	60 - 143
Chlorobenzene	ND	E8	25.0	24.5		ug/L		98	69 - 129
Chloroethane	ND	E8	25.0	22.7		ug/L		91	60 - 146
Chloroform	ND	E8	25.0	24.3		ug/L		97	69 - 138
Chloromethane	ND	E8	25.0	22.4		ug/L		89	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	25.3		ug/L		101	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	26.7		ug/L		107	57 - 145
Chlorodibromomethane	ND	E8	25.0	25.8		ug/L		103	61 - 143
Dibromomethane	ND	E8	25.0	25.5		ug/L		102	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	25.4		ug/L		102	21 - 150
Ethylbenzene	ND	E8	25.0	25.6		ug/L		102	46 - 149
Hexachlorobutadiene	ND	E8	25.0	25.0		ug/L		100	49 - 146
Iodomethane	ND	E8	25.0	25.3		ug/L		101	43 - 150
Isopropylbenzene	ND	E8	25.0	25.0		ug/L		100	56 - 143
m,p-Xylenes	ND	E8	25.0	23.7		ug/L		95	52 - 144
Methylene Chloride	ND	E8	25.0	23.7		ug/L		95	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	26.6		ug/L		106	56 - 148
Naphthalene	ND	E8	25.0	25.6		ug/L		102	47 - 150
n-Butylbenzene	ND	E8	25.0	28.0		ug/L		112	54 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132765-A-24 MS
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	ND	E8	25.0	27.2		ug/L		109	54 - 144
o-Xylene	ND	E8	25.0	23.3		ug/L		93	55 - 143
p-Isopropyltoluene	ND	E8	25.0	26.1		ug/L		105	53 - 147
sec-Butylbenzene	ND	E8	25.0	24.6		ug/L		99	55 - 145
Styrene	ND	E8	25.0	23.5		ug/L		94	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.5		ug/L		94	57 - 143
Tetrachloroethene	ND	E8	25.0	26.4		ug/L		106	37 - 150
Toluene	ND	E8	25.0	25.8		ug/L		103	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	26.4		ug/L		106	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	25.0		ug/L		100	57 - 147
Trichloroethene	ND	E8	25.0	26.2		ug/L		105	62 - 134
Trichlorofluoromethane	ND	E8	25.0	29.5		ug/L		118	60 - 150
Vinyl acetate	ND	E8	25.0	21.4	E4	ug/L		86	14 - 150
Vinyl chloride	ND	E8	25.0	24.2		ug/L		97	48 - 150
Xylenes, Total	ND	E8	50.0	47.0		ug/L		94	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 550-132765-A-24 MSD
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	27.7		ug/L		111	67 - 137	6	35
1,1,1-Trichloroethane	ND	E8	25.0	27.2		ug/L		109	64 - 143	5	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	24.7		ug/L		99	63 - 136	4	35
1,1,2-Trichloroethane	ND	E8	25.0	23.1		ug/L		92	66 - 137	7	35
1,1-Dichloroethane	ND	E8	25.0	25.5		ug/L		102	70 - 137	1	35
1,1-Dichloroethene	ND	E8	25.0	28.5		ug/L		114	53 - 150	9	35
1,1-Dichloropropene	ND	E8	25.0	25.8		ug/L		103	58 - 141	3	35
1,2,3-Trichlorobenzene	ND	E8	25.0	26.9		ug/L		108	57 - 144	4	35
1,2,3-Trichloropropane	ND	E8	25.0	25.3		ug/L		101	60 - 138	7	35
1,2,4-Trichlorobenzene	ND	E8	25.0	26.2		ug/L		105	58 - 140	4	35
1,2,4-Trimethylbenzene	ND	E8	25.0	27.0		ug/L		108	50 - 147	1	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	25.0		ug/L		100	51 - 143	6	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	22.2		ug/L		89	67 - 136	10	35
1,2-Dichlorobenzene	ND	E8	25.0	25.3		ug/L		101	67 - 131	2	35
1,2-Dichloroethane	ND	E8	25.0	24.7		ug/L		99	58 - 146	2	35
1,2-Dichloropropane	ND	E8	25.0	26.1		ug/L		104	66 - 135	4	35
1,3,5-Trimethylbenzene	ND	E8	25.0	26.6		ug/L		106	50 - 147	0	35
1,3-Dichlorobenzene	ND	E8	25.0	24.6		ug/L		98	68 - 130	5	35
1,3-Dichloropropane	ND	E8	25.0	23.2		ug/L		93	67 - 134	8	35
1,4-Dichlorobenzene	ND	E8	25.0	23.3		ug/L		93	68 - 128	4	35
2,2-Dichloropropane	ND	E8	25.0	28.8		ug/L		115	54 - 150	8	35
2-Butanone (MEK)	ND	E8	25.0	22.9		ug/L		92	10 - 150	7	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132765-A-24 MSD
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	ND	E8	25.0	25.9		ug/L		104	63 - 132	0	35
2-Hexanone	ND	E8	25.0	27.3		ug/L		109	37 - 150	2	35
4-Chlorotoluene	ND	E8	25.0	25.1		ug/L		100	66 - 131	1	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	28.8		ug/L		115	41 - 150	5	35
Acetone	ND	E8	25.0	25.0		ug/L		100	10 - 150	3	35
Benzene	ND	E8	25.0	25.2		ug/L		101	54 - 142	2	35
Bromobenzene	ND	E8	25.0	21.7		ug/L		87	69 - 132	6	35
Bromochloromethane	ND	E8	25.0	25.8		ug/L		103	67 - 145	5	35
Bromodichloromethane	ND	E8	25.0	24.8		ug/L		99	61 - 143	5	35
Bromoform	ND	E8	25.0	18.6		ug/L		75	57 - 142	25	35
Bromomethane	ND	E8	25.0	25.9		ug/L		104	56 - 149	12	35
Carbon disulfide	ND	E8	25.0	26.1		ug/L		104	48 - 150	4	35
Carbon tetrachloride	ND	E8	25.0	29.2		ug/L		117	60 - 143	8	35
Chlorobenzene	ND	E8	25.0	23.9		ug/L		95	69 - 129	3	35
Chloroethane	ND	E8	25.0	24.8		ug/L		99	60 - 146	9	35
Chloroform	ND	E8	25.0	25.2		ug/L		101	69 - 138	4	35
Chloromethane	ND	E8	25.0	24.8		ug/L		99	50 - 150	10	35
cis-1,2-Dichloroethene	ND	E8	25.0	27.4		ug/L		110	65 - 139	8	35
cis-1,3-Dichloropropene	ND	E8	25.0	24.6		ug/L		98	57 - 145	8	35
Chlorodibromomethane	ND	E8	25.0	23.6		ug/L		94	61 - 143	9	35
Dibromomethane	ND	E8	25.0	26.0		ug/L		104	64 - 138	2	35
Dichlorodifluoromethane	ND	E8	25.0	26.7		ug/L		107	21 - 150	5	35
Ethylbenzene	ND	E8	25.0	27.1		ug/L		108	46 - 149	6	35
Hexachlorobutadiene	ND	E8	25.0	24.2		ug/L		97	49 - 146	3	35
Iodomethane	ND	E8	25.0	27.7		ug/L		111	43 - 150	9	35
Isopropylbenzene	ND	E8	25.0	25.1		ug/L		100	56 - 143	0	35
m,p-Xylenes	ND	E8	25.0	23.0		ug/L		92	52 - 144	3	35
Methylene Chloride	ND	E8	25.0	26.0		ug/L		104	66 - 134	9	35
Methyl tert-butyl ether	ND	E8	25.0	27.6		ug/L		110	56 - 148	4	35
Naphthalene	ND	E8	25.0	26.5		ug/L		106	47 - 150	4	35
n-Butylbenzene	ND	E8	25.0	28.0		ug/L		112	54 - 145	0	35
n-Propylbenzene	ND	E8	25.0	27.1		ug/L		108	54 - 144	0	35
o-Xylene	ND	E8	25.0	23.1		ug/L		93	55 - 143	1	35
p-Isopropyltoluene	ND	E8	25.0	26.0		ug/L		104	53 - 147	0	35
sec-Butylbenzene	ND	E8	25.0	24.6		ug/L		98	55 - 145	0	35
Styrene	ND	E8	25.0	21.4		ug/L		86	21 - 150	9	35
tert-Butylbenzene	ND	E8	25.0	23.1		ug/L		92	57 - 143	2	35
Tetrachloroethene	ND	E8	25.0	26.2		ug/L		105	37 - 150	1	35
Toluene	ND	E8	25.0	26.0		ug/L		104	56 - 141	1	35
trans-1,2-Dichloroethene	ND	E8	25.0	28.6		ug/L		114	69 - 136	8	35
trans-1,3-Dichloropropene	ND	E8	25.0	21.0		ug/L		84	57 - 147	17	35
Trichloroethene	ND	E8	25.0	25.8		ug/L		103	62 - 134	2	35
Trichlorofluoromethane	ND	E8	25.0	30.7		ug/L		123	60 - 150	4	35
Vinyl acetate	ND	E8	25.0	21.2	E4	ug/L		85	14 - 150	1	35
Vinyl chloride	ND	E8	25.0	26.6		ug/L		106	48 - 150	9	35
Xylenes, Total	ND	E8	50.0	46.1		ug/L		92	53 - 145	2	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132765-A-24 MSD
Matrix: Water
Analysis Batch: 195036

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	112		70 - 130
Toluene-d8 (Surr)	122		70 - 130
4-Bromofluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 550-195291/5
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/12/19 23:03	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/12/19 23:03	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/12/19 23:03	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/12/19 23:03	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/12/19 23:03	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/12/19 23:03	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/12/19 23:03	1
1,2,3-Trichlorobenzene	ND	E8	5.0	0.45	ug/L			11/12/19 23:03	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/12/19 23:03	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.32	ug/L			11/12/19 23:03	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.25	ug/L			11/12/19 23:03	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/12/19 23:03	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/12/19 23:03	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/12/19 23:03	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/12/19 23:03	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/12/19 23:03	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.21	ug/L			11/12/19 23:03	1
1,3-Dichlorobenzene	ND	E8	2.0	0.14	ug/L			11/12/19 23:03	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/12/19 23:03	1
1,4-Dichlorobenzene	ND	E8	2.0	0.17	ug/L			11/12/19 23:03	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/12/19 23:03	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/12/19 23:03	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/12/19 23:03	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/12/19 23:03	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/12/19 23:03	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/12/19 23:03	1
Acetone	ND	E8	20	7.3	ug/L			11/12/19 23:03	1
Benzene	ND	E8	2.0	0.12	ug/L			11/12/19 23:03	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/12/19 23:03	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/12/19 23:03	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/12/19 23:03	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/12/19 23:03	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/12/19 23:03	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/12/19 23:03	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/12/19 23:03	1
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/12/19 23:03	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/12/19 23:03	1
Chloroform	ND	E8	2.0	0.13	ug/L			11/12/19 23:03	1
Chloromethane	ND	E8	5.0	0.21	ug/L			11/12/19 23:03	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-195291/5
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			11/12/19 23:03	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/12/19 23:03	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/12/19 23:03	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/12/19 23:03	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/12/19 23:03	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/12/19 23:03	1
Hexachlorobutadiene	ND	E8	5.0	0.28	ug/L			11/12/19 23:03	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/12/19 23:03	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/12/19 23:03	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/12/19 23:03	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/12/19 23:03	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/12/19 23:03	1
Naphthalene	ND	E8	5.0	0.51	ug/L			11/12/19 23:03	1
n-Butylbenzene	ND	E8	5.0	0.21	ug/L			11/12/19 23:03	1
n-Propylbenzene	ND	E8	2.0	0.21	ug/L			11/12/19 23:03	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/12/19 23:03	1
p-Isopropyltoluene	ND	E8	2.0	0.21	ug/L			11/12/19 23:03	1
sec-Butylbenzene	ND	E8	5.0	0.23	ug/L			11/12/19 23:03	1
Styrene	ND	E8	2.0	0.17	ug/L			11/12/19 23:03	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/12/19 23:03	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			11/12/19 23:03	1
Toluene	ND	E8	2.0	0.28	ug/L			11/12/19 23:03	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/12/19 23:03	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/12/19 23:03	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			11/12/19 23:03	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/12/19 23:03	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/12/19 23:03	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/12/19 23:03	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/12/19 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*11/12/19 23:03*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*11/12/19 23:03*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*11/12/19 23:03*	*1*

Lab Sample ID: LCS 550-195291/3
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 130
1,1,1-Trichloroethane	25.0	26.4		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	70 - 130
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	70 - 130
1,1-Dichloroethane	25.0	26.0		ug/L		104	70 - 130
1,1-Dichloroethene	25.0	25.8		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	26.2		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	25.0	27.1		ug/L		108	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-195291/3
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	24.9		ug/L		100	70 - 130
1,2,4-Trichlorobenzene	25.0	27.9		ug/L		112	70 - 130
1,2,4-Trimethylbenzene	25.0	26.7		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.3		ug/L		101	61 - 130
1,2-Dibromoethane (EDB)	25.0	25.8		ug/L		103	70 - 130
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,2-Dichloroethane	25.0	25.5		ug/L		102	70 - 130
1,2-Dichloropropane	25.0	26.6		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	25.0	26.2		ug/L		105	70 - 130
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,3-Dichloropropane	25.0	25.9		ug/L		103	70 - 130
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
2,2-Dichloropropane	25.0	26.6		ug/L		106	70 - 130
2-Butanone (MEK)	25.0	23.4		ug/L		94	50 - 150
2-Chlorotoluene	25.0	26.2		ug/L		105	70 - 130
2-Hexanone	25.0	24.2		ug/L		97	52 - 138
4-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	26.2		ug/L		105	64 - 131
Acetone	25.0	23.6		ug/L		94	18 - 150
Benzene	25.0	25.9		ug/L		104	70 - 130
Bromobenzene	25.0	25.6		ug/L		102	70 - 130
Bromochloromethane	25.0	25.6		ug/L		103	70 - 130
Bromodichloromethane	25.0	26.3		ug/L		105	70 - 130
Bromoform	25.0	25.3		ug/L		101	70 - 130
Bromomethane	25.0	26.3		ug/L		105	62 - 136
Carbon disulfide	25.0	25.4		ug/L		102	70 - 130
Carbon tetrachloride	25.0	25.7		ug/L		103	70 - 130
Chlorobenzene	25.0	25.3		ug/L		101	70 - 130
Chloroethane	25.0	27.6		ug/L		111	70 - 130
Chloroform	25.0	25.8		ug/L		103	80 - 120
Chloromethane	25.0	28.8		ug/L		115	64 - 134
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	70 - 130
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	70 - 130
Chlorodibromomethane	25.0	26.0		ug/L		104	70 - 130
Dibromomethane	25.0	26.7		ug/L		107	70 - 130
Dichlorodifluoromethane	25.0	29.6		ug/L		118	29 - 150
Ethylbenzene	25.0	26.3		ug/L		105	80 - 120
Hexachlorobutadiene	25.0	26.7		ug/L		107	70 - 130
Iodomethane	25.0	26.5		ug/L		106	70 - 136
Isopropylbenzene	25.0	26.5		ug/L		106	70 - 130
m,p-Xylenes	25.0	25.5		ug/L		102	70 - 130
Methylene Chloride	25.0	25.1		ug/L		100	70 - 130
Methyl tert-butyl ether	25.0	26.1		ug/L		104	70 - 132
Naphthalene	25.0	27.0		ug/L		108	70 - 130
n-Butylbenzene	25.0	27.4		ug/L		110	70 - 130
n-Propylbenzene	25.0	26.9		ug/L		108	70 - 130
o-Xylene	25.0	26.8		ug/L		107	70 - 130
p-Isopropyltoluene	25.0	26.8		ug/L		107	70 - 130
sec-Butylbenzene	25.0	27.0		ug/L		108	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-195291/3
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	26.2		ug/L		105	70 - 130
tert-Butylbenzene	25.0	26.6		ug/L		106	70 - 130
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130
Toluene	25.0	25.2		ug/L		101	80 - 120
trans-1,2-Dichloroethene	25.0	27.6		ug/L		110	70 - 130
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	70 - 130
Trichloroethene	25.0	26.6		ug/L		106	70 - 130
Trichlorofluoromethane	25.0	27.7		ug/L		111	70 - 130
Vinyl acetate	25.0	27.2		ug/L		109	63 - 147
Vinyl chloride	25.0	28.7		ug/L		115	70 - 130
Xylenes, Total	50.0	52.3		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 550-195291/4
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.5		ug/L		102	70 - 130	1	20
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130	2	20
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	70 - 130	2	20
1,1-Dichloroethane	25.0	25.8		ug/L		103	70 - 130	1	20
1,1-Dichloroethene	25.0	26.5		ug/L		106	70 - 130	2	20
1,1-Dichloropropene	25.0	25.2		ug/L		101	70 - 130	4	20
1,2,3-Trichlorobenzene	25.0	26.8		ug/L		107	70 - 130	1	20
1,2,3-Trichloropropane	25.0	26.3		ug/L		105	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	27.7		ug/L		111	70 - 130	1	20
1,2,4-Trimethylbenzene	25.0	26.1		ug/L		104	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	25.9		ug/L		103	61 - 130	2	21
1,2-Dibromoethane (EDB)	25.0	26.6		ug/L		107	70 - 130	3	20
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	70 - 130	0	20
1,2-Dichloroethane	25.0	25.5		ug/L		102	70 - 130	0	20
1,2-Dichloropropane	25.0	25.6		ug/L		102	70 - 130	4	20
1,3,5-Trimethylbenzene	25.0	26.1		ug/L		104	70 - 130	0	20
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130	2	20
1,3-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	0	20
2,2-Dichloropropane	25.0	26.7		ug/L		107	70 - 130	0	20
2-Butanone (MEK)	25.0	18.4		ug/L		74	50 - 150	24	34
2-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130	2	20
2-Hexanone	25.0	21.4		ug/L		86	52 - 138	12	29
4-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	25.0	25.9		ug/L		104	64 - 131	1	23

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-195291/4
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			25.0	17.3	E4	ug/L		69	18 - 150	30	35
Benzene			25.0	25.2		ug/L		101	70 - 130	3	20
Bromobenzene			25.0	25.2		ug/L		101	70 - 130	2	20
Bromochloromethane			25.0	25.7		ug/L		103	70 - 130	0	20
Bromodichloromethane			25.0	25.4		ug/L		102	70 - 130	3	20
Bromoform			25.0	26.4		ug/L		106	70 - 130	4	20
Bromomethane			25.0	26.6		ug/L		106	62 - 136	1	20
Carbon disulfide			25.0	25.7		ug/L		103	70 - 130	1	20
Carbon tetrachloride			25.0	25.2		ug/L		101	70 - 130	2	20
Chlorobenzene			25.0	25.0		ug/L		100	70 - 130	1	20
Chloroethane			25.0	27.8		ug/L		111	70 - 130	1	20
Chloroform			25.0	25.6		ug/L		103	80 - 120	1	20
Chloromethane			25.0	28.3		ug/L		113	64 - 134	2	20
cis-1,2-Dichloroethene			25.0	26.7		ug/L		107	70 - 130	2	20
cis-1,3-Dichloropropene			25.0	26.1		ug/L		105	70 - 130	2	20
Chlorodibromomethane			25.0	25.9		ug/L		103	70 - 130	0	20
Dibromomethane			25.0	26.7		ug/L		107	70 - 130	0	20
Dichlorodifluoromethane			25.0	29.6		ug/L		119	29 - 150	0	21
Ethylbenzene			25.0	25.4		ug/L		102	80 - 120	4	20
Hexachlorobutadiene			25.0	26.6		ug/L		106	70 - 130	0	20
Iodomethane			25.0	25.9		ug/L		104	70 - 136	2	20
Isopropylbenzene			25.0	26.4		ug/L		106	70 - 130	0	20
m,p-Xylenes			25.0	25.3		ug/L		101	70 - 130	1	20
Methylene Chloride			25.0	24.9		ug/L		100	70 - 130	1	20
Methyl tert-butyl ether			25.0	27.0		ug/L		108	70 - 132	3	20
Naphthalene			25.0	27.4		ug/L		110	70 - 130	1	20
n-Butylbenzene			25.0	26.9		ug/L		107	70 - 130	2	20
n-Propylbenzene			25.0	26.4		ug/L		106	70 - 130	2	20
o-Xylene			25.0	26.3		ug/L		105	70 - 130	2	20
p-Isopropyltoluene			25.0	26.4		ug/L		106	70 - 130	1	20
sec-Butylbenzene			25.0	26.2		ug/L		105	70 - 130	3	20
Styrene			25.0	26.0		ug/L		104	70 - 130	0	20
tert-Butylbenzene			25.0	26.4		ug/L		105	70 - 130	1	20
Tetrachloroethene			25.0	25.4		ug/L		101	70 - 130	1	20
Toluene			25.0	24.8		ug/L		99	80 - 120	2	20
trans-1,2-Dichloroethene			25.0	26.8		ug/L		107	70 - 130	3	20
trans-1,3-Dichloropropene			25.0	25.9		ug/L		104	70 - 130	2	20
Trichloroethene			25.0	26.2		ug/L		105	70 - 130	1	20
Trichlorofluoromethane			25.0	26.7		ug/L		107	70 - 130	4	20
Vinyl acetate			25.0	26.3		ug/L		105	63 - 147	3	20
Vinyl chloride			25.0	28.8		ug/L		115	70 - 130	0	20
Xylenes, Total			50.0	51.6		ug/L		103	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-2 MS
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	27.7		ug/L		111	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	28.4		ug/L		113	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	27.6		ug/L		110	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	27.5		ug/L		110	66 - 137
1,1-Dichloroethane	ND	E8	25.0	27.5		ug/L		110	70 - 137
1,1-Dichloroethene	ND	E8	25.0	26.4		ug/L		106	53 - 150
1,1-Dichloropropene	ND	E8	25.0	27.4		ug/L		109	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	28.8		ug/L		115	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	27.2		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	29.5		ug/L		118	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	27.9		ug/L		112	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.9		ug/L		107	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	28.2		ug/L		113	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	27.6		ug/L		110	67 - 131
1,2-Dichloroethane	ND	E8	25.0	27.3		ug/L		109	58 - 146
1,2-Dichloropropane	ND	E8	25.0	27.9		ug/L		111	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	28.2		ug/L		113	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	27.4		ug/L		110	68 - 130
1,3-Dichloropropane	ND	E8	25.0	27.6		ug/L		110	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	26.9		ug/L		108	68 - 128
2,2-Dichloropropane	ND	E8	25.0	28.4		ug/L		114	54 - 150
2-Butanone (MEK)	ND	E8	25.0	20.8		ug/L		83	10 - 150
2-Chlorotoluene	ND	E8	25.0	28.0		ug/L		112	63 - 132
2-Hexanone	ND	E8	25.0	22.3		ug/L		89	37 - 150
4-Chlorotoluene	ND	E8	25.0	27.4		ug/L		110	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	27.2		ug/L		109	41 - 150
Acetone	ND	E8	25.0	16.3	E4	ug/L		65	10 - 150
Benzene	ND	E8	25.0	27.2		ug/L		109	54 - 142
Bromobenzene	ND	E8	25.0	27.5		ug/L		110	69 - 132
Bromochloromethane	ND	E8	25.0	28.3		ug/L		113	67 - 145
Bromodichloromethane	ND	E8	25.0	27.2		ug/L		109	61 - 143
Bromoform	ND	E8	25.0	27.2		ug/L		109	57 - 142
Bromomethane	ND	E8	25.0	28.1		ug/L		112	56 - 149
Carbon disulfide	ND	E8	25.0	26.6		ug/L		106	48 - 150
Carbon tetrachloride	ND	E8	25.0	27.2		ug/L		109	60 - 143
Chlorobenzene	ND	E8	25.0	26.7		ug/L		107	69 - 129
Chloroethane	ND	E8	25.0	29.9		ug/L		120	60 - 146
Chloroform	ND	E8	25.0	27.6		ug/L		110	69 - 138
Chloromethane	ND	E8	25.0	29.5		ug/L		118	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	28.3		ug/L		113	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	27.4		ug/L		110	57 - 145
Chlorodibromomethane	ND	E8	25.0	27.8		ug/L		111	61 - 143
Dibromomethane	ND	E8	25.0	28.6		ug/L		114	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	30.2		ug/L		121	21 - 150
Ethylbenzene	ND	E8	25.0	27.1		ug/L		109	46 - 149
Hexachlorobutadiene	ND	E8	25.0	27.5		ug/L		110	49 - 146
Iodomethane	ND	E8	25.0	28.6		ug/L		114	43 - 150
Isopropylbenzene	ND	E8	25.0	28.2		ug/L		113	56 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-2 MS
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylenes	ND	E8	25.0	27.5		ug/L		110	52 - 144
Methylene Chloride	ND	E8	25.0	26.3		ug/L		105	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	27.8		ug/L		111	56 - 148
Naphthalene	ND	E8	25.0	29.5		ug/L		118	47 - 150
n-Butylbenzene	ND	E8	25.0	27.9		ug/L		112	54 - 145
n-Propylbenzene	ND	E8	25.0	28.4		ug/L		113	54 - 144
o-Xylene	ND	E8	25.0	28.2		ug/L		113	55 - 143
p-Isopropyltoluene	ND	E8	25.0	28.3		ug/L		113	53 - 147
sec-Butylbenzene	ND	E8	25.0	28.2		ug/L		113	55 - 145
Styrene	0.17	E4	25.0	28.3		ug/L		113	21 - 150
tert-Butylbenzene	ND	E8	25.0	27.9		ug/L		112	57 - 143
Tetrachloroethene	0.25	E4	25.0	27.0		ug/L		107	37 - 150
Toluene	ND	E8	25.0	26.5		ug/L		106	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	28.4		ug/L		114	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	27.7		ug/L		111	57 - 147
Trichloroethene	ND	E8	25.0	28.1		ug/L		112	62 - 134
Trichlorofluoromethane	ND	E8	25.0	29.0		ug/L		116	60 - 150
Vinyl acetate	ND	E8	25.0	28.1		ug/L		112	14 - 150
Vinyl chloride	ND	E8	25.0	30.6		ug/L		122	48 - 150
Xylenes, Total	ND	E8	50.0	55.7		ug/L		111	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*118*		*70 - 130*
Toluene-d8 (Surr)	*113*		*70 - 130*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 550-132943-A-2 MSD
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	27.5		ug/L		110	67 - 137	1	35
1,1,1-Trichloroethane	ND	E8	25.0	28.1		ug/L		112	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	27.1		ug/L		108	63 - 136	2	35
1,1,2-Trichloroethane	ND	E8	25.0	27.2		ug/L		109	66 - 137	1	35
1,1-Dichloroethane	ND	E8	25.0	27.4		ug/L		110	70 - 137	0	35
1,1-Dichloroethene	ND	E8	25.0	27.1		ug/L		108	53 - 150	3	35
1,1-Dichloropropene	ND	E8	25.0	27.7		ug/L		111	58 - 141	1	35
1,2,3-Trichlorobenzene	ND	E8	25.0	27.6		ug/L		111	57 - 144	4	35
1,2,3-Trichloropropane	ND	E8	25.0	26.6		ug/L		106	60 - 138	2	35
1,2,4-Trichlorobenzene	ND	E8	25.0	28.2		ug/L		113	58 - 140	5	35
1,2,4-Trimethylbenzene	ND	E8	25.0	28.1		ug/L		112	50 - 147	1	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	26.0		ug/L		104	51 - 143	3	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	27.5		ug/L		110	67 - 136	2	35
1,2-Dichlorobenzene	ND	E8	25.0	27.2		ug/L		109	67 - 131	1	35
1,2-Dichloroethane	ND	E8	25.0	27.3		ug/L		109	58 - 146	0	35
1,2-Dichloropropane	ND	E8	25.0	27.9		ug/L		112	66 - 135	0	35
1,3,5-Trimethylbenzene	ND	E8	25.0	28.1		ug/L		112	50 - 147	0	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-2 MSD
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND	E8	25.0	27.1		ug/L		109	68 - 130	1	35
1,3-Dichloropropane	ND	E8	25.0	27.4		ug/L		110	67 - 134	1	35
1,4-Dichlorobenzene	ND	E8	25.0	27.0		ug/L		108	68 - 128	0	35
2,2-Dichloropropane	ND	E8	25.0	26.7		ug/L		107	54 - 150	6	35
2-Butanone (MEK)	ND	E8	25.0	17.6		ug/L		70	10 - 150	16	35
2-Chlorotoluene	ND	E8	25.0	28.1		ug/L		112	63 - 132	0	35
2-Hexanone	ND	E8	25.0	20.4		ug/L		82	37 - 150	9	35
4-Chlorotoluene	ND	E8	25.0	27.6		ug/L		110	66 - 131	1	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	26.0		ug/L		104	41 - 150	5	35
Acetone	ND	E8	25.0	14.6	E4	ug/L		58	10 - 150	11	35
Benzene	ND	E8	25.0	27.2		ug/L		109	54 - 142	0	35
Bromobenzene	ND	E8	25.0	28.0		ug/L		112	69 - 132	2	35
Bromochloromethane	ND	E8	25.0	27.9		ug/L		112	67 - 145	1	35
Bromodichloromethane	ND	E8	25.0	27.8		ug/L		111	61 - 143	2	35
Bromoform	ND	E8	25.0	27.1		ug/L		109	57 - 142	0	35
Bromomethane	ND	E8	25.0	27.2		ug/L		109	56 - 149	3	35
Carbon disulfide	ND	E8	25.0	27.4		ug/L		110	48 - 150	3	35
Carbon tetrachloride	ND	E8	25.0	27.9		ug/L		112	60 - 143	3	35
Chlorobenzene	ND	E8	25.0	26.9		ug/L		108	69 - 129	1	35
Chloroethane	ND	E8	25.0	29.2		ug/L		117	60 - 146	2	35
Chloroform	ND	E8	25.0	27.6		ug/L		111	69 - 138	0	35
Chloromethane	ND	E8	25.0	28.4		ug/L		113	50 - 150	4	35
cis-1,2-Dichloroethene	ND	E8	25.0	29.4		ug/L		118	65 - 139	4	35
cis-1,3-Dichloropropene	ND	E8	25.0	28.0		ug/L		112	57 - 145	2	35
Chlorodibromomethane	ND	E8	25.0	27.5		ug/L		110	61 - 143	1	35
Dibromomethane	ND	E8	25.0	27.8		ug/L		111	64 - 138	3	35
Dichlorodifluoromethane	ND	E8	25.0	28.6		ug/L		114	21 - 150	5	35
Ethylbenzene	ND	E8	25.0	27.6		ug/L		110	46 - 149	2	35
Hexachlorobutadiene	ND	E8	25.0	26.9		ug/L		108	49 - 146	2	35
Iodomethane	ND	E8	25.0	28.3		ug/L		113	43 - 150	1	35
Isopropylbenzene	ND	E8	25.0	28.6		ug/L		115	56 - 143	2	35
m,p-Xylenes	ND	E8	25.0	27.6		ug/L		110	52 - 144	0	35
Methylene Chloride	ND	E8	25.0	26.2		ug/L		105	66 - 134	1	35
Methyl tert-butyl ether	ND	E8	25.0	27.2		ug/L		109	56 - 148	2	35
Naphthalene	ND	E8	25.0	27.8		ug/L		111	47 - 150	6	35
n-Butylbenzene	ND	E8	25.0	27.8		ug/L		111	54 - 145	0	35
n-Propylbenzene	ND	E8	25.0	28.7		ug/L		115	54 - 144	1	35
o-Xylene	ND	E8	25.0	28.6		ug/L		114	55 - 143	1	35
p-Isopropyltoluene	ND	E8	25.0	28.4		ug/L		113	53 - 147	0	35
sec-Butylbenzene	ND	E8	25.0	28.2		ug/L		113	55 - 145	0	35
Styrene	0.17	E4	25.0	28.1		ug/L		112	21 - 150	1	35
tert-Butylbenzene	ND	E8	25.0	28.2		ug/L		113	57 - 143	1	35
Tetrachloroethene	0.25	E4	25.0	27.1		ug/L		108	37 - 150	0	35
Toluene	ND	E8	25.0	26.9		ug/L		108	56 - 141	1	35
trans-1,2-Dichloroethene	ND	E8	25.0	27.8		ug/L		111	69 - 136	2	35
trans-1,3-Dichloropropene	ND	E8	25.0	27.5		ug/L		110	57 - 147	1	35
Trichloroethene	ND	E8	25.0	28.1		ug/L		112	62 - 134	0	35
Trichlorofluoromethane	ND	E8	25.0	25.2		ug/L		101	60 - 150	14	35
Vinyl acetate	ND	E8	25.0	27.1		ug/L		108	14 - 150	4	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-2 MSD
Matrix: Water
Analysis Batch: 195291

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND	E8	25.0	29.6		ug/L		118	48 - 150	3	35
Xylenes, Total	ND	E8	50.0	56.2		ug/L		112	53 - 145	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*116*		*70 - 130*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: MB 550-195349/5
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.35	ug/L			11/13/19 13:09	1
1,1,1-Trichloroethane	ND	E8	2.0	0.15	ug/L			11/13/19 13:09	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.33	ug/L			11/13/19 13:09	1
1,1,2-Trichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 13:09	1
1,1-Dichloroethane	ND	E8	2.0	0.14	ug/L			11/13/19 13:09	1
1,1-Dichloroethene	ND	E8	5.0	0.23	ug/L			11/13/19 13:09	1
1,1-Dichloropropene	ND	E8	2.0	0.20	ug/L			11/13/19 13:09	1
1,2,3-Trichlorobenzene	0.629	E4	5.0	0.45	ug/L			11/13/19 13:09	1
1,2,3-Trichloropropane	ND	E8	10	0.78	ug/L			11/13/19 13:09	1
1,2,4-Trichlorobenzene	0.510	E4	5.0	0.32	ug/L			11/13/19 13:09	1
1,2,4-Trimethylbenzene	0.251	E4	2.0	0.25	ug/L			11/13/19 13:09	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	0.82	ug/L			11/13/19 13:09	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.30	ug/L			11/13/19 13:09	1
1,2-Dichlorobenzene	ND	E8	2.0	0.22	ug/L			11/13/19 13:09	1
1,2-Dichloroethane	ND	E8	2.0	0.31	ug/L			11/13/19 13:09	1
1,2-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 13:09	1
1,3,5-Trimethylbenzene	0.218	E4	2.0	0.21	ug/L			11/13/19 13:09	1
1,3-Dichlorobenzene	0.176	E4	2.0	0.14	ug/L			11/13/19 13:09	1
1,3-Dichloropropane	ND	E8	2.0	0.23	ug/L			11/13/19 13:09	1
1,4-Dichlorobenzene	0.184	E4	2.0	0.17	ug/L			11/13/19 13:09	1
2,2-Dichloropropane	ND	E8	2.0	0.18	ug/L			11/13/19 13:09	1
2-Butanone (MEK)	ND	E8	10	2.2	ug/L			11/13/19 13:09	1
2-Chlorotoluene	ND	E8	5.0	0.17	ug/L			11/13/19 13:09	1
2-Hexanone	ND	E8	10	1.5	ug/L			11/13/19 13:09	1
4-Chlorotoluene	ND	E8	5.0	0.20	ug/L			11/13/19 13:09	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.3	ug/L			11/13/19 13:09	1
Acetone	ND	E8	20	7.3	ug/L			11/13/19 13:09	1
Benzene	ND	E8	2.0	0.12	ug/L			11/13/19 13:09	1
Bromobenzene	ND	E8	5.0	0.14	ug/L			11/13/19 13:09	1
Bromochloromethane	ND	E8	5.0	0.27	ug/L			11/13/19 13:09	1
Bromodichloromethane	ND	E8	2.0	0.23	ug/L			11/13/19 13:09	1
Bromoform	ND	E8	5.0	0.37	ug/L			11/13/19 13:09	1
Bromomethane	ND	E8	5.0	0.67	ug/L			11/13/19 13:09	1
Carbon disulfide	ND	E8	5.0	0.86	ug/L			11/13/19 13:09	1
Carbon tetrachloride	ND	E8	5.0	0.15	ug/L			11/13/19 13:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-195349/5
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	E8	2.0	0.17	ug/L			11/13/19 13:09	1
Chloroethane	ND	E8	5.0	0.25	ug/L			11/13/19 13:09	1
Chloroform	ND	E8	2.0	0.13	ug/L			11/13/19 13:09	1
Chloromethane	ND	E8	5.0	0.21	ug/L			11/13/19 13:09	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.21	ug/L			11/13/19 13:09	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.14	ug/L			11/13/19 13:09	1
Chlorodibromomethane	ND	E8	2.0	0.22	ug/L			11/13/19 13:09	1
Dibromomethane	ND	E8	2.0	0.26	ug/L			11/13/19 13:09	1
Dichlorodifluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 13:09	1
Ethylbenzene	ND	E8	2.0	0.32	ug/L			11/13/19 13:09	1
Hexachlorobutadiene	0.396	E4	5.0	0.28	ug/L			11/13/19 13:09	1
Iodomethane	ND	E8	2.0	0.21	ug/L			11/13/19 13:09	1
Isopropylbenzene	ND	E8	2.0	0.26	ug/L			11/13/19 13:09	1
m,p-Xylenes	ND	E8	5.0	0.44	ug/L			11/13/19 13:09	1
Methylene Chloride	ND	E8	5.0	0.67	ug/L			11/13/19 13:09	1
Methyl tert-butyl ether	ND	E8	1.0	0.22	ug/L			11/13/19 13:09	1
Naphthalene	0.733	E4	5.0	0.51	ug/L			11/13/19 13:09	1
n-Butylbenzene	0.340	E4	5.0	0.21	ug/L			11/13/19 13:09	1
n-Propylbenzene	0.261	E4	2.0	0.21	ug/L			11/13/19 13:09	1
o-Xylene	ND	E8	5.0	0.42	ug/L			11/13/19 13:09	1
p-Isopropyltoluene	0.268	E4	2.0	0.21	ug/L			11/13/19 13:09	1
sec-Butylbenzene	0.231	E4	5.0	0.23	ug/L			11/13/19 13:09	1
Styrene	ND	E8	2.0	0.17	ug/L			11/13/19 13:09	1
tert-Butylbenzene	ND	E8	5.0	0.25	ug/L			11/13/19 13:09	1
Tetrachloroethene	ND	E8	2.0	0.18	ug/L			11/13/19 13:09	1
Toluene	ND	E8	2.0	0.28	ug/L			11/13/19 13:09	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.29	ug/L			11/13/19 13:09	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.47	ug/L			11/13/19 13:09	1
Trichloroethene	ND	E8	2.0	0.24	ug/L			11/13/19 13:09	1
Trichlorofluoromethane	ND	E8	5.0	0.15	ug/L			11/13/19 13:09	1
Vinyl acetate	ND	E8	25	0.81	ug/L			11/13/19 13:09	1
Vinyl chloride	ND	E8	5.0	0.18	ug/L			11/13/19 13:09	1
Xylenes, Total	ND	E8	10	0.86	ug/L			11/13/19 13:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*11/13/19 13:09*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*11/13/19 13:09*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/13/19 13:09*	*1*

Lab Sample ID: LCS 550-195349/3
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.0		ug/L		92	70 - 130
1,1,1-Trichloroethane	25.0	23.7		ug/L		95	70 - 130
1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	70 - 130
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-195349/3
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.4		ug/L		98	70 - 130
1,1-Dichloroethene	25.0	21.7		ug/L		87	70 - 130
1,1-Dichloropropene	25.0	20.4		ug/L		82	70 - 130
1,2,3-Trichlorobenzene	25.0	23.8		ug/L		95	70 - 130
1,2,3-Trichloropropane	25.0	26.7		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.3		ug/L		101	61 - 130
1,2-Dibromoethane (EDB)	25.0	27.3		ug/L		109	70 - 130
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,2-Dichloroethane	25.0	22.0		ug/L		88	70 - 130
1,2-Dichloropropane	25.0	23.0		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	25.0	24.8		ug/L		99	70 - 130
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130
1,3-Dichloropropane	25.0	26.7		ug/L		107	70 - 130
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130
2,2-Dichloropropane	25.0	23.8		ug/L		95	70 - 130
2-Butanone (MEK)	25.0	27.2		ug/L		109	50 - 150
2-Chlorotoluene	25.0	24.1		ug/L		96	70 - 130
2-Hexanone	25.0	28.0		ug/L		112	52 - 138
4-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	25.3		ug/L		101	64 - 131
Acetone	25.0	19.3	E4	ug/L		77	18 - 150
Benzene	25.0	21.6		ug/L		86	70 - 130
Bromobenzene	25.0	27.2		ug/L		109	70 - 130
Bromochloromethane	25.0	25.9		ug/L		104	70 - 130
Bromodichloromethane	25.0	23.4		ug/L		94	70 - 130
Bromoform	25.0	28.7		ug/L		115	70 - 130
Bromomethane	25.0	25.3		ug/L		101	62 - 136
Carbon disulfide	25.0	21.7		ug/L		87	70 - 130
Carbon tetrachloride	25.0	19.6		ug/L		78	70 - 130
Chlorobenzene	25.0	26.0		ug/L		104	70 - 130
Chloroethane	25.0	23.2		ug/L		93	70 - 130
Chloroform	25.0	25.1		ug/L		100	80 - 120
Chloromethane	25.0	26.1		ug/L		105	64 - 134
cis-1,2-Dichloroethene	25.0	20.7		ug/L		83	70 - 130
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 130
Chlorodibromomethane	25.0	26.3		ug/L		105	70 - 130
Dibromomethane	25.0	23.1		ug/L		92	70 - 130
Dichlorodifluoromethane	25.0	26.7		ug/L		107	29 - 150
Ethylbenzene	25.0	24.1		ug/L		96	80 - 120
Hexachlorobutadiene	25.0	25.6		ug/L		102	70 - 130
Iodomethane	25.0	23.4		ug/L		94	70 - 136
Isopropylbenzene	25.0	23.6		ug/L		95	70 - 130
m,p-Xylenes	25.0	24.5		ug/L		98	70 - 130
Methylene Chloride	25.0	21.9		ug/L		88	70 - 130
Methyl tert-butyl ether	25.0	24.2		ug/L		97	70 - 132
Naphthalene	25.0	24.5		ug/L		98	70 - 130
n-Butylbenzene	25.0	23.4		ug/L		94	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-195349/3
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	25.0	24.3		ug/L		97	70 - 130
o-Xylene	25.0	24.3		ug/L		97	70 - 130
p-Isopropyltoluene	25.0	23.7		ug/L		95	70 - 130
sec-Butylbenzene	25.0	23.2		ug/L		93	70 - 130
Styrene	25.0	26.2		ug/L		105	70 - 130
tert-Butylbenzene	25.0	23.8		ug/L		95	70 - 130
Tetrachloroethene	25.0	22.8		ug/L		91	70 - 130
Toluene	25.0	23.2		ug/L		93	80 - 120
trans-1,2-Dichloroethene	25.0	22.5		ug/L		90	70 - 130
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	70 - 130
Trichloroethene	25.0	22.1		ug/L		88	70 - 130
Trichlorofluoromethane	25.0	21.7		ug/L		87	70 - 130
Vinyl acetate	25.0	31.7		ug/L		127	63 - 147
Vinyl chloride	25.0	24.7		ug/L		99	70 - 130
Xylenes, Total	50.0	48.8		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 550-195349/4
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130	7	20
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	70 - 130	4	20
1,1,2,2-Tetrachloroethane	25.0	26.5		ug/L		106	70 - 130	3	20
1,1,2-Trichloroethane	25.0	24.6		ug/L		99	70 - 130	7	20
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130	2	20
1,1-Dichloroethene	25.0	24.3		ug/L		97	70 - 130	11	20
1,1-Dichloropropene	25.0	21.6		ug/L		86	70 - 130	6	20
1,2,3-Trichlorobenzene	25.0	25.4		ug/L		102	70 - 130	7	20
1,2,3-Trichloropropane	25.0	25.5		ug/L		102	70 - 130	5	20
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130	3	20
1,2,4-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	61 - 130	5	21
1,2-Dibromoethane (EDB)	25.0	25.4		ug/L		102	70 - 130	7	20
1,2-Dichlorobenzene	25.0	26.1		ug/L		104	70 - 130	1	20
1,2-Dichloroethane	25.0	22.9		ug/L		92	70 - 130	4	20
1,2-Dichloropropane	25.0	23.6		ug/L		94	70 - 130	3	20
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		105	70 - 130	6	20
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	2	20
1,3-Dichloropropane	25.0	24.5		ug/L		98	70 - 130	9	20
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130	4	20
2,2-Dichloropropane	25.0	24.5		ug/L		98	70 - 130	3	20
2-Butanone (MEK)	25.0	23.4		ug/L		94	50 - 150	15	34

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-195349/4
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	25.0	24.8		ug/L		99	70 - 130	3	20
2-Hexanone	25.0	23.5		ug/L		94	52 - 138	17	29
4-Chlorotoluene	25.0	24.6		ug/L		98	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	25.0	23.3		ug/L		93	64 - 131	8	23
Acetone	25.0	23.2		ug/L		93	18 - 150	18	35
Benzene	25.0	22.9		ug/L		92	70 - 130	6	20
Bromobenzene	25.0	26.8		ug/L		107	70 - 130	2	20
Bromochloromethane	25.0	26.2		ug/L		105	70 - 130	1	20
Bromodichloromethane	25.0	23.9		ug/L		96	70 - 130	2	20
Bromoform	25.0	27.1		ug/L		108	70 - 130	6	20
Bromomethane	25.0	26.6		ug/L		106	62 - 136	5	20
Carbon disulfide	25.0	24.7		ug/L		99	70 - 130	13	20
Carbon tetrachloride	25.0	22.1		ug/L		89	70 - 130	12	20
Chlorobenzene	25.0	24.9		ug/L		99	70 - 130	5	20
Chloroethane	25.0	24.5		ug/L		98	70 - 130	5	20
Chloroform	25.0	25.3		ug/L		101	80 - 120	1	20
Chloromethane	25.0	28.1		ug/L		113	64 - 134	7	20
cis-1,2-Dichloroethene	25.0	22.9		ug/L		92	70 - 130	11	20
cis-1,3-Dichloropropene	25.0	24.9		ug/L		100	70 - 130	3	20
Chlorodibromomethane	25.0	25.6		ug/L		102	70 - 130	3	20
Dibromomethane	25.0	23.8		ug/L		95	70 - 130	3	20
Dichlorodifluoromethane	25.0	28.0		ug/L		112	29 - 150	5	21
Ethylbenzene	25.0	23.9		ug/L		96	80 - 120	1	20
Hexachlorobutadiene	25.0	26.5		ug/L		106	70 - 130	3	20
Iodomethane	25.0	26.3		ug/L		105	70 - 136	11	20
Isopropylbenzene	25.0	25.3		ug/L		101	70 - 130	7	20
m,p-Xylenes	25.0	24.6		ug/L		98	70 - 130	0	20
Methylene Chloride	25.0	24.5		ug/L		98	70 - 130	11	20
Methyl tert-butyl ether	25.0	26.9		ug/L		108	70 - 132	10	20
Naphthalene	25.0	24.8		ug/L		99	70 - 130	1	20
n-Butylbenzene	25.0	24.4		ug/L		98	70 - 130	4	20
n-Propylbenzene	25.0	24.9		ug/L		100	70 - 130	3	20
o-Xylene	25.0	25.5		ug/L		102	70 - 130	5	20
p-Isopropyltoluene	25.0	25.1		ug/L		101	70 - 130	6	20
sec-Butylbenzene	25.0	24.7		ug/L		99	70 - 130	6	20
Styrene	25.0	25.2		ug/L		101	70 - 130	4	20
tert-Butylbenzene	25.0	24.9		ug/L		100	70 - 130	5	20
Tetrachloroethene	25.0	22.8		ug/L		91	70 - 130	0	20
Toluene	25.0	23.2		ug/L		93	80 - 120	0	20
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	70 - 130	12	20
trans-1,3-Dichloropropene	25.0	25.4		ug/L		101	70 - 130	9	20
Trichloroethene	25.0	22.7		ug/L		91	70 - 130	3	20
Trichlorofluoromethane	25.0	24.3		ug/L		97	70 - 130	11	20
Vinyl acetate	25.0	27.7		ug/L		111	63 - 147	13	20
Vinyl chloride	25.0	26.7		ug/L		107	70 - 130	7	20
Xylenes, Total	50.0	50.1		ug/L		100	70 - 130	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-195349/4
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 550-132943-A-15 MS
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	23.3		ug/L		93	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	23.4		ug/L		94	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	26.2		ug/L		105	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	26.3		ug/L		105	66 - 137
1,1-Dichloroethane	ND	E8	25.0	23.7		ug/L		95	70 - 137
1,1-Dichloroethene	1.8	E4	25.0	21.7		ug/L		80	53 - 150
1,1-Dichloropropene	ND	E8	25.0	20.3		ug/L		81	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	22.4		ug/L		90	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	25.3		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	23.7		ug/L		95	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	24.3		ug/L		97	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	23.6		ug/L		95	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	26.1		ug/L		104	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	25.1		ug/L		100	67 - 131
1,2-Dichloroethane	2.4		25.0	23.6		ug/L		85	58 - 146
1,2-Dichloropropane	ND	E8	25.0	22.8		ug/L		91	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	23.5		ug/L		94	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	68 - 130
1,3-Dichloropropane	ND	E8	25.0	25.7		ug/L		103	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	25.0		ug/L		100	68 - 128
2,2-Dichloropropane	ND	E8	25.0	22.6		ug/L		90	54 - 150
2-Butanone (MEK)	ND	E8 M1	25.0	131	M1	ug/L		526	10 - 150
2-Chlorotoluene	ND	E8	25.0	24.2		ug/L		97	63 - 132
2-Hexanone	ND	E8	25.0	22.7		ug/L		91	37 - 150
4-Chlorotoluene	ND	E8	25.0	25.0		ug/L		100	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	22.9		ug/L		91	41 - 150
Acetone	ND	E8 R4	25.0	13.8	E4	ug/L		55	10 - 150
Benzene	2.5		25.0	23.7		ug/L		85	54 - 142
Bromobenzene	ND	E8	25.0	26.5		ug/L		106	69 - 132
Bromochloromethane	ND	E8	25.0	25.6		ug/L		102	67 - 145
Bromodichloromethane	ND	E8	25.0	23.6		ug/L		94	61 - 143
Bromoform	ND	E8	25.0	27.5		ug/L		110	57 - 142
Bromomethane	ND	E8	25.0	24.1		ug/L		96	56 - 149
Carbon disulfide	ND	E8	25.0	20.6		ug/L		82	48 - 150
Carbon tetrachloride	ND	E8	25.0	19.9		ug/L		80	60 - 143
Chlorobenzene	ND	E8	25.0	25.3		ug/L		101	69 - 129
Chloroethane	ND	E8	25.0	21.9		ug/L		88	60 - 146
Chloroform	ND	E8	25.0	24.7		ug/L		99	69 - 138
Chloromethane	ND	E8	25.0	25.0		ug/L		100	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-15 MS
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	1200	E2 M3	25.0	952	E2 M3	ug/L		-1094	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	25.5		ug/L		102	57 - 145
Chlorodibromomethane	ND	E8	25.0	25.6		ug/L		102	61 - 143
Dibromomethane	ND	E8	25.0	22.7		ug/L		91	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	24.8		ug/L		99	21 - 150
Ethylbenzene	ND	E8	25.0	23.9		ug/L		96	46 - 149
Hexachlorobutadiene	ND	E8	25.0	25.4		ug/L		102	49 - 146
Iodomethane	ND	E8	25.0	22.1		ug/L		88	43 - 150
Isopropylbenzene	ND	E8	25.0	23.5		ug/L		94	56 - 143
m,p-Xylenes	ND	E8	25.0	24.3		ug/L		97	52 - 144
Methylene Chloride	ND	E8	25.0	20.9		ug/L		84	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	22.6		ug/L		90	56 - 148
Naphthalene	ND	E8	25.0	22.8		ug/L		91	47 - 150
n-Butylbenzene	ND	E8	25.0	23.0		ug/L		92	54 - 145
n-Propylbenzene	ND	E8	25.0	23.8		ug/L		95	54 - 144
o-Xylene	ND	E8	25.0	24.0		ug/L		96	55 - 143
p-Isopropyltoluene	ND	E8	25.0	23.5		ug/L		94	53 - 147
sec-Butylbenzene	0.39	E4	25.0	23.5		ug/L		92	55 - 145
Styrene	ND	E8	25.0	25.4		ug/L		102	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.8		ug/L		95	57 - 143
Tetrachloroethene	1.6	E4	25.0	23.5		ug/L		87	37 - 150
Toluene	ND	E8	25.0	23.1		ug/L		93	56 - 141
trans-1,2-Dichloroethene	17		25.0	35.0		ug/L		73	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	26.8		ug/L		107	57 - 147
Trichloroethene	10		25.0	30.2		ug/L		79	62 - 134
Trichlorofluoromethane	ND	E8	25.0	20.7		ug/L		83	60 - 150
Vinyl acetate	ND	E8	25.0	29.7		ug/L		119	14 - 150
Vinyl chloride	170	M3	25.0	167	M3	ug/L		-22	48 - 150
Xylenes, Total	ND	E8	50.0	48.3		ug/L		97	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 550-132943-A-15 MSD
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	25.6		ug/L		102	67 - 137	9	35
1,1,1-Trichloroethane	ND	E8	25.0	25.1		ug/L		100	64 - 143	7	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	28.5		ug/L		114	63 - 136	8	35
1,1,2-Trichloroethane	ND	E8	25.0	27.1		ug/L		108	66 - 137	3	35
1,1-Dichloroethane	ND	E8	25.0	25.4		ug/L		102	70 - 137	7	35
1,1-Dichloroethene	1.8	E4	25.0	25.6		ug/L		95	53 - 150	17	35
1,1-Dichloropropene	ND	E8	25.0	21.6		ug/L		87	58 - 141	6	35
1,2,3-Trichlorobenzene	ND	E8	25.0	25.3		ug/L		101	57 - 144	12	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-15 MSD
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND	E8	25.0	28.0		ug/L		112	60 - 138	10	35
1,2,4-Trichlorobenzene	ND	E8	25.0	25.7		ug/L		103	58 - 140	8	35
1,2,4-Trimethylbenzene	ND	E8	25.0	26.0		ug/L		104	50 - 147	7	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	27.7		ug/L		111	51 - 143	16	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	27.0		ug/L		108	67 - 136	4	35
1,2-Dichlorobenzene	ND	E8	25.0	26.8		ug/L		107	67 - 131	6	35
1,2-Dichloroethane	2.4		25.0	26.0		ug/L		94	58 - 146	9	35
1,2-Dichloropropane	ND	E8	25.0	24.1		ug/L		96	66 - 135	6	35
1,3,5-Trimethylbenzene	ND	E8	25.0	26.8		ug/L		107	50 - 147	13	35
1,3-Dichlorobenzene	ND	E8	25.0	25.5		ug/L		102	68 - 130	2	35
1,3-Dichloropropane	ND	E8	25.0	26.0		ug/L		104	67 - 134	1	35
1,4-Dichlorobenzene	ND	E8	25.0	25.3		ug/L		101	68 - 128	1	35
2,2-Dichloropropane	ND	E8	25.0	24.2		ug/L		97	54 - 150	7	35
2-Butanone (MEK)	ND	E8 M1	25.0	134	M1	ug/L		535	10 - 150	2	35
2-Chlorotoluene	ND	E8	25.0	24.9		ug/L		100	63 - 132	3	35
2-Hexanone	ND	E8	25.0	24.7		ug/L		99	37 - 150	8	35
4-Chlorotoluene	ND	E8	25.0	24.8		ug/L		99	66 - 131	1	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	26.4		ug/L		105	41 - 150	14	35
Acetone	ND	E8 R4	25.0	21.1	R4	ug/L		84	10 - 150	42	35
Benzene	2.5		25.0	25.2		ug/L		91	54 - 142	6	35
Bromobenzene	ND	E8	25.0	27.0		ug/L		108	69 - 132	2	35
Bromochloromethane	ND	E8	25.0	28.0		ug/L		112	67 - 145	9	35
Bromodichloromethane	ND	E8	25.0	25.2		ug/L		101	61 - 143	7	35
Bromoform	ND	E8	25.0	29.1		ug/L		116	57 - 142	6	35
Bromomethane	ND	E8	25.0	27.0		ug/L		108	56 - 149	11	35
Carbon disulfide	ND	E8	25.0	24.3		ug/L		97	48 - 150	16	35
Carbon tetrachloride	ND	E8	25.0	22.2		ug/L		89	60 - 143	11	35
Chlorobenzene	ND	E8	25.0	25.2		ug/L		101	69 - 129	0	35
Chloroethane	ND	E8	25.0	24.3		ug/L		97	60 - 146	10	35
Chloroform	ND	E8	25.0	26.2		ug/L		105	69 - 138	6	35
Chloromethane	ND	E8	25.0	27.8		ug/L		111	50 - 150	10	35
cis-1,2-Dichloroethene	1200	E2 M3	25.0	1050	E2 M3	ug/L		-694	65 - 139	10	35
cis-1,3-Dichloropropene	ND	E8	25.0	26.0		ug/L		104	57 - 145	2	35
Chlorodibromomethane	ND	E8	25.0	29.3		ug/L		117	61 - 143	14	35
Dibromomethane	ND	E8	25.0	25.2		ug/L		101	64 - 138	10	35
Dichlorodifluoromethane	ND	E8	25.0	27.2		ug/L		109	21 - 150	9	35
Ethylbenzene	ND	E8	25.0	24.1		ug/L		96	46 - 149	1	35
Hexachlorobutadiene	ND	E8	25.0	27.7		ug/L		111	49 - 146	9	35
Iodomethane	ND	E8	25.0	26.5		ug/L		106	43 - 150	18	35
Isopropylbenzene	ND	E8	25.0	25.3		ug/L		101	56 - 143	7	35
m,p-Xylenes	ND	E8	25.0	24.7		ug/L		99	52 - 144	1	35
Methylene Chloride	ND	E8	25.0	25.4		ug/L		102	66 - 134	20	35
Methyl tert-butyl ether	ND	E8	25.0	28.6		ug/L		115	56 - 148	23	35
Naphthalene	ND	E8	25.0	27.1		ug/L		108	47 - 150	17	35
n-Butylbenzene	ND	E8	25.0	24.3		ug/L		97	54 - 145	5	35
n-Propylbenzene	ND	E8	25.0	24.9		ug/L		100	54 - 144	4	35
o-Xylene	ND	E8	25.0	25.4		ug/L		102	55 - 143	6	35
p-Isopropyltoluene	ND	E8	25.0	25.5		ug/L		102	53 - 147	8	35
sec-Butylbenzene	0.39	E4	25.0	25.3		ug/L		100	55 - 145	8	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-132943-A-15 MSD
Matrix: Water
Analysis Batch: 195349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND	E8	25.0	25.6		ug/L		102	21 - 150	1	35
tert-Butylbenzene	ND	E8	25.0	25.3		ug/L		101	57 - 143	6	35
Tetrachloroethene	1.6	E4	25.0	24.0		ug/L		89	37 - 150	2	35
Toluene	ND	E8	25.0	23.6		ug/L		94	56 - 141	2	35
trans-1,2-Dichloroethene	17		25.0	39.6		ug/L		91	69 - 136	12	35
trans-1,3-Dichloropropene	ND	E8	25.0	27.0		ug/L		108	57 - 147	1	35
Trichloroethene	10		25.0	30.8		ug/L		81	62 - 134	2	35
Trichlorofluoromethane	ND	E8	25.0	24.7		ug/L		99	60 - 150	18	35
Vinyl acetate	ND	E8	25.0	32.0		ug/L		128	14 - 150	7	35
Vinyl chloride	170	M3	25.0	166	M3	ug/L		-23	48 - 150	0	35
Xylenes, Total	ND	E8	50.0	50.1		ug/L		100	53 - 145	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

QC Association Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

GC/MS VOA

Analysis Batch: 195036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-132982-1	Trip Blank	Total/NA	Water	8260B	
MB 550-195036/7	Method Blank	Total/NA	Water	8260B	
LCS 550-195036/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-195036/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-132765-A-24 MS	Matrix Spike	Total/NA	Water	8260B	
550-132765-A-24 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 195291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-132982-2	AVB-77-02	Total/NA	Water	8260B	
550-132982-3	AVB-77-01	Total/NA	Water	8260B	
MB 550-195291/5	Method Blank	Total/NA	Water	8260B	
LCS 550-195291/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-195291/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-132943-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
550-132943-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 195349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-132982-4	AVB-77-03	Total/NA	Water	8260B	
MB 550-195349/5	Method Blank	Total/NA	Water	8260B	
LCS 550-195349/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-195349/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-132943-A-15 MS	Matrix Spike	Total/NA	Water	8260B	
550-132943-A-15 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-132982-1

Date Collected: 11/07/19 08:00
Date Received: 11/08/19 09:59
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195036	11/11/19 12:07	R1K	TAL PHX

Client Sample ID: AVB-77-02 — Lab Sample ID: 550-132982-2

Date Collected: 11/07/19 10:00
Date Received: 11/08/19 09:59
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195291	11/13/19 04:47	R1K	TAL PHX

Client Sample ID: AVB-77-01 — Lab Sample ID: 550-132982-3

Date Collected: 11/07/19 10:30
Date Received: 11/08/19 09:59
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195291	11/13/19 05:14	R1K	TAL PHX

Client Sample ID: AVB-77-03 — Lab Sample ID: 550-132982-4

Date Collected: 11/07/19 11:15
Date Received: 11/08/19 09:59
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	195349	11/13/19 20:22	R1K	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-132982-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
5030C	Purge and Trap	SW846	TAL PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

132982

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashlock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.17
Client Contact: Mr. Tom McKeon	Phone: 805-407-0357	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~17 of 28~~ 1 of 1
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 7 day			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com justin.nesteb@calibre.com roy.ashlock@calibre.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

550-132982 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
				Preservation Code:				A		
-01	Trip Blank	11/7/19	0800	grab	Water			1		
-02	AVB 77-02	11/7/19	1000	grab	Water			3		
-03	AVB 77-01	11/7/19	1030	grab	Water			3		
-04	AVB 77-03	11/7/19	1115	grab	Water			3		
					Water					
					Water					
					Water					
					Water					
					Water					
					Water					
					Water					

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roy Ash	11/8/19 0955	calibre			
				11-8-19 0955	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s)°C and Other Remarks: (2.6°C) ejp

Ver: 01/16/2019

11/22/2019

Login Sample Receipt Checklist

Client: Calibre Systems, Inc.

Job Number: 550-132982-1

Login Number: 132982
List Number: 1
Creator: Gravlin, Andrea

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

Data Validation Summary
Groundwater Sampling
West Van Buren Site, Phoenix, Arizona

Matrix Environmental Services (MES) reviewed the analytical data in accordance with the Remedial Projects Section Quality Assurance Project Plan (QAPP), Arizona Department of Environmental Quality (AZDEQ)(AZDEQ, February 2017, Revision A), and Standard Operating Procedures, Data Validation Procedures for Routine Volatile Organic Analysis, Response Engineering and Analytical Contract (SERAS) laboratory (SERAS, 2004). The data review process included reviewing and evaluating 100 percent of the hard copy data for (1) extraction and analysis holding times, (2) surrogate recoveries, (3) blank detections, (4) laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries and relative percent differences (RPDs), (5) matrix spike/matrix spike duplicate (MS/MSD) recoveries and RPDs, (6) field duplicate (FD) RPDs, (7) initial and continuing calibrations, (8) instrument tuning and performance, (9) internal standards, (10) cooler temperature, and (11) overall assessment.

Eurofins TestAmerica Laboratories, Inc. (TA) of Phoenix, Arizona analyzed the samples for Calibre Systems, Inc of Bellevue Washington. Samples were collected at the West Van Buren Site in Phoenix, Arizona on January 2, 2020. There were detections in the trip blank which were not detected in the samples. There were high recoveries in the LCS and LCSD for batch 550-199389 that were not detected in the trip blank (only sample associated with that LCS and LCSD). Based on this review, the analytical data generated for the sampling event are acceptable and adequate to fulfill program objectives.

ADEQ QAPP 2017) Partial Data Validation Checklist (from Table D1 of QAPP)
http://static.azdeq.gov/wqarf/qaprp.pdf

West Van Buren Data Package J135578-1, Report Dated 1/12/2020 3 groundwater samples analyzed for volatile organic compounds by EPA Method 8260B
Reviewed by Betty Van Pelt, Matrix Environmental Services, LLC 1/16/2020

Criteria	Notes	Result
Holding times	Check Case Narrative	Samples collected on 1/02/2020, delivered to lab on 1/4/2020, therefore met holding times. No anomalies.
Calibration	Check Case Narrative, review calibration data	No anomalies listed in the case narrative.
Blanks	Check Case Narrative, review blanks data	**Sample** / **Analyte** / **Results** Trip Blank / 1,2,4-Trimethylbenzene / 0.6 E4 Trip Blank / Ethylbenzene / 0.8 E4 Trip Blank / m,p-Xylenes / 4.9 E4 Trip Blank / o-Xylenes / 1.5 E4 Trip Blank / Xylenes, Total / 6.4 E4
Surrogate recovery	Check Case Narrative, review surrogate data	All surrogates met criteria.
Matrix spike and matrix spike duplicate recovery	Check Case Narrative, review MS/MSDs	Matrix spike (MS) and matrix spike duplicate (MSD) for batch 550-199457 was performed on a sample 550-135578-2 (PTG-7A-20200102). All recovery and RPD criteria were met.
Laboratory control sample or blank spike	Check Case Narrative, review LCS and or blank spikes	The laboratory control sample (LCS), laboratory control sample duplicate (LCSD) for batch 550-199389 (applies to trip blank) recovered outside control limits high for the following analytes: 2-Butanone, 2-Hexanone, Acetone, and carbon disulfide. There were no detections in the associated samples. The LCS/LCSD and samples have been flagged with an L5 qualifier.
Internal standard performance	Check Case Narrative	No anomalies noted.

Field duplicate sample analysis	Calculate relative percent difference for all field dupes	The original sample was AVB-66-02, the duplicate sample is DUP-01. **Sample** / **Analyte** / **Result** / **Units** AVB-66-02-20200102 / 1,1- Dichloroethene / 2.2 / ug/L E4 2-Butanone / 86 / ug/L Chloroform / 3.1 / ug/L Tetrachloroethene / 7.8 / ug/L Trichloroethene / 9.0 / ug/L Trichlorofluoromethane / 0.8 / ug/L E4 Acetone - DL / 370 / ug/L D2
Field duplicate sample analysis	Calculate relative percent difference for all field dupes	**Analyte** / **RPD** / **Units** 1,1- Dichloroethene / 2.2 / ug/L E4 2-Butanone / 88 / ug/L Chloroform / 3.1 / ug/L Tetrachloroethene / 8.3 / ug/L Trichloroethene / 9.2 / ug/L Trichlorofluoromethane / 0.83 / ug/L E4 Acetone - DL / 390 / ug/L D2 **See Relative Percent table below**
Temperature	Check Case Narrative	Samples received at 1.9 degrees C, below the criteria of 4 degrees C.
Overall assessment of data for an SDG	Any reason to reject data or perform full validation?	The data are acceptable for site characterization purposes.

Date: January 16, 2020
Relative Percent Difference
Calculations
Data Package: J135578

Analyte	AVB-66-02 **Results µg/L**	Dup-01 **Results µg/L**	**RPD**
1,1- Dichloroethene	2.2	2.2	0.0%
2-Butanone	86	88	3.0%
Chloroform	3.1	3.1	0.0%
Tetrachloroethene	7.8	8.3	6.2%
Trichloroethene	9.0	9.2	2.2%
Trichkorofluoromethane	0.80	0.83	3.7%
Acetone - DL	370	390	5.3%

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ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-135578-1
Client Project/Site: West Van Buren

For:
Calibre Systems, Inc.
16935 South East 39th Street
Bellevue, Washington 98008

Attn: Roy Ashlock

Authorized for release by:
1/12/2020 5:36:05 PM

Mary Charlson, Project Manager I
(602)437-3340
mary.charlson@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 16
QC Sample Results 17
QC Association Summary 42
Lab Chronicle 43
Certification Summary 44
Method Summary 45
Chain of Custody 46
Receipt Checklists 47

Definitions/Glossary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
D2	Sample required dilution due to high concentration of analyte.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
L5	The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample.
N1	See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 550-135578-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-135578-1

Comments
No additional comments.

Receipt
The samples were received on 1/4/2020 10:22 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9º C.

GC/MS VOA
Method 8260B: The following sample was re-analyzed for Toluene with headspace in the sample vial: Trip Blank (550-135578-1). Data has been reported with a N1 qualifier, see analytical batch 550-199457.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-135578-1	Trip Blank	Water	01/02/20 08:00	01/04/20 10:22	
550-135578-2	PTG-7A-20200102	Water	01/02/20 11:15	01/04/20 10:22	
550-135578-3	AVB66-02-20200102	Water	01/02/20 11:30	01/04/20 10:22	
550-135578-4	AVB66-01-20200102	Water	01/02/20 12:00	01/04/20 10:22	
550-135578-5	DUP-01-20200102	Water	01/02/20 09:00	01/04/20 10:22	

Detection Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-135578-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.60	E4	2.0	0.48	ug/L	1		8260B	Total/NA
Ethylbenzene	0.80	E4	2.0	0.50	ug/L	1		8260B	Total/NA
m,p-Xylenes	4.9	E4	5.0	0.45	ug/L	1		8260B	Total/NA
o-Xylene	1.5	E4	5.0	0.47	ug/L	1		8260B	Total/NA
Xylenes, Total	6.4	E4	10	0.99	ug/L	1		8260B	Total/NA

Client Sample ID: PTG-7A-20200102 — Lab Sample ID: 550-135578-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	85		10	6.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	4.2		2.0	0.62	ug/L	1		8260B	Total/NA
Acetone - DL	380	D2	200	98	ug/L	10		8260B	Total/NA

Client Sample ID: AVB66-02-20200102 — Lab Sample ID: 550-135578-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.2	E4	5.0	0.54	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	86		10	6.0	ug/L	1		8260B	Total/NA
Chloroform	3.1		2.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.8		2.0	0.48	ug/L	1		8260B	Total/NA
Trichloroethene	9.0		2.0	0.54	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.80	E4	5.0	0.63	ug/L	1		8260B	Total/NA
Acetone - DL	370	D2	200	98	ug/L	10		8260B	Total/NA

Client Sample ID: AVB66-01-20200102 — Lab Sample ID: 550-135578-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	78		10	6.0	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	4.5	E4	5.0	0.84	ug/L	1		8260B	Total/NA
Acetone - DL	360	D2	200	98	ug/L	10		8260B	Total/NA

Client Sample ID: DUP-01-20200102 — Lab Sample ID: 550-135578-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.2	E4	5.0	0.54	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	88		10	6.0	ug/L	1		8260B	Total/NA
Chloroform	3.1		2.0	0.48	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.3		2.0	0.48	ug/L	1		8260B	Total/NA
Trichloroethene	9.2		2.0	0.54	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.83	E4	5.0	0.63	ug/L	1		8260B	Total/NA
Acetone - DL	390	D2	200	98	ug/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Client Sample ID: Trip Blank

Date Collected: 01/02/20 08:00
Date Received: 01/04/20 10:22

Lab Sample ID: 550-135578-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/04/20 13:59	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/04/20 13:59	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/04/20 13:59	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/04/20 13:59	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/04/20 13:59	1
1,1-Dichloroethene	ND	E8	5.0	0.54	ug/L			01/04/20 13:59	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/04/20 13:59	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/04/20 13:59	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/04/20 13:59	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/04/20 13:59	1
1,2,4-Trimethylbenzene	**0.60**	**E4**	2.0	0.48	ug/L			01/04/20 13:59	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/04/20 13:59	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/04/20 13:59	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/04/20 13:59	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/04/20 13:59	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/04/20 13:59	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/04/20 13:59	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/04/20 13:59	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/04/20 13:59	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/04/20 13:59	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/04/20 13:59	1
2-Butanone (MEK)	ND	E8 L5 V1	10	6.0	ug/L			01/04/20 13:59	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/04/20 13:59	1
2-Hexanone	ND	E8 L5 V1	10	1.6	ug/L			01/04/20 13:59	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/04/20 13:59	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/04/20 13:59	1
Acetone	ND	E8 L5 V1	20	9.8	ug/L			01/04/20 13:59	1
Benzene	ND	E8	2.0	0.52	ug/L			01/04/20 13:59	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/04/20 13:59	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/04/20 13:59	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/04/20 13:59	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/04/20 13:59	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/04/20 13:59	1
Carbon disulfide	ND	E8 L5	5.0	1.8	ug/L			01/04/20 13:59	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/04/20 13:59	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/04/20 13:59	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/04/20 13:59	1
Chloroform	ND	E8	2.0	0.48	ug/L			01/04/20 13:59	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/04/20 13:59	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/04/20 13:59	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/04/20 13:59	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/04/20 13:59	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/04/20 13:59	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/04/20 13:59	1
Ethylbenzene	**0.80**	**E4**	2.0	0.50	ug/L			01/04/20 13:59	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/04/20 13:59	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/04/20 13:59	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/04/20 13:59	1
m,p-Xylenes	**4.9**	**E4**	5.0	0.45	ug/L			01/04/20 13:59	1

Client Sample ID: Trip Blank

Lab Sample ID: 550-135578-1
Matrix: Water

Date Collected: 01/02/20 08:00
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/04/20 13:59	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/04/20 13:59	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/04/20 13:59	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/04/20 13:59	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/04/20 13:59	1
o-Xylene	**1.5**	**E4**	5.0	0.47	ug/L			01/04/20 13:59	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/04/20 13:59	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/04/20 13:59	1
Styrene	ND	E8	2.0	0.49	ug/L			01/04/20 13:59	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/04/20 13:59	1
Tetrachloroethene	ND	E8	2.0	0.48	ug/L			01/04/20 13:59	1
Toluene	ND	E8 N1	2.0	0.49	ug/L			01/06/20 16:24	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/04/20 13:59	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/04/20 13:59	1
Trichloroethene	ND	E8	2.0	0.54	ug/L			01/04/20 13:59	1
Trichlorofluoromethane	ND	E8	5.0	0.63	ug/L			01/04/20 13:59	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/04/20 13:59	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/04/20 13:59	1
Xylenes, Total	**6.4**	**E4**	10	0.99	ug/L			01/04/20 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*01/04/20 13:59*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*01/06/20 16:24*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/04/20 13:59*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*01/06/20 16:24*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*01/04/20 13:59*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*01/06/20 16:24*	*1*

Client Sample ID: PTG-7A-20200102

Lab Sample ID: 550-135578-2
Matrix: Water

Date Collected: 01/02/20 11:15
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/06/20 16:51	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/06/20 16:51	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/06/20 16:51	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/06/20 16:51	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/06/20 16:51	1
1,1-Dichloroethene	ND	E8	5.0	0.54	ug/L			01/06/20 16:51	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/06/20 16:51	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/06/20 16:51	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/06/20 16:51	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/06/20 16:51	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 16:51	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/06/20 16:51	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/06/20 16:51	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/06/20 16:51	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/06/20 16:51	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/06/20 16:51	1

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Client Sample ID: PTG-7A-20200102

Lab Sample ID: 550-135578-2

Date Collected: 01/02/20 11:15
Matrix: Water
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 16:51	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 16:51	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/06/20 16:51	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/06/20 16:51	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/06/20 16:51	1
2-Butanone (MEK)	**85**		10	6.0	ug/L			01/06/20 16:51	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/06/20 16:51	1
2-Hexanone	ND	E8	10	1.6	ug/L			01/06/20 16:51	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/06/20 16:51	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/06/20 16:51	1
Benzene	ND	E8	2.0	0.52	ug/L			01/06/20 16:51	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/06/20 16:51	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/06/20 16:51	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/06/20 16:51	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/06/20 16:51	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/06/20 16:51	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/06/20 16:51	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/06/20 16:51	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 16:51	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/06/20 16:51	1
Chloroform	ND	E8	2.0	0.48	ug/L			01/06/20 16:51	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/06/20 16:51	1
cis-1,2-Dichloroethene	**4.2**		2.0	0.62	ug/L			01/06/20 16:51	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/06/20 16:51	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/06/20 16:51	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/06/20 16:51	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/06/20 16:51	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/06/20 16:51	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/06/20 16:51	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/06/20 16:51	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/06/20 16:51	1
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/06/20 16:51	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/06/20 16:51	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/06/20 16:51	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/06/20 16:51	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/06/20 16:51	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/06/20 16:51	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/06/20 16:51	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/06/20 16:51	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/06/20 16:51	1
Styrene	ND	E8	2.0	0.49	ug/L			01/06/20 16:51	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/06/20 16:51	1
Tetrachloroethene	ND	E8	2.0	0.48	ug/L			01/06/20 16:51	1
Toluene	ND	E8	2.0	0.49	ug/L			01/06/20 16:51	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/06/20 16:51	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/06/20 16:51	1
Trichloroethene	ND	E8	2.0	0.54	ug/L			01/06/20 16:51	1
Trichlorofluoromethane	ND	E8	5.0	0.63	ug/L			01/06/20 16:51	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/06/20 16:51	1

Client Sample ID: PTG-7A-20200102

Lab Sample ID: 550-135578-2

Date Collected: 01/02/20 11:15
Matrix: Water
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/06/20 16:51	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/06/20 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*01/06/20 16:51*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/06/20 16:51*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*01/06/20 16:51*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**380**	**D2**	200	98	ug/L			01/07/20 21:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*01/07/20 21:09*	*10*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/07/20 21:09*	*10*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*01/07/20 21:09*	*10*

Client Sample ID: AVB66-02-20200102

Lab Sample ID: 550-135578-3

Date Collected: 01/02/20 11:30
Matrix: Water
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/06/20 18:12	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/06/20 18:12	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/06/20 18:12	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/06/20 18:12	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/06/20 18:12	1
1,1-Dichloroethene	**2.2**	**E4**	5.0	0.54	ug/L			01/06/20 18:12	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/06/20 18:12	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/06/20 18:12	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/06/20 18:12	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/06/20 18:12	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:12	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/06/20 18:12	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/06/20 18:12	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/06/20 18:12	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/06/20 18:12	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/06/20 18:12	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:12	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:12	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/06/20 18:12	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/06/20 18:12	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/06/20 18:12	1
2-Butanone (MEK)	**86**		10	6.0	ug/L			01/06/20 18:12	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/06/20 18:12	1
2-Hexanone	ND	E8	10	1.6	ug/L			01/06/20 18:12	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/06/20 18:12	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/06/20 18:12	1
Benzene	ND	E8	2.0	0.52	ug/L			01/06/20 18:12	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/06/20 18:12	1

Client Sample ID: AVB66-02-20200102

Lab Sample ID: 550-135578-3

Date Collected: 01/02/20 11:30

Matrix: Water

Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/06/20 18:12	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/06/20 18:12	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/06/20 18:12	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/06/20 18:12	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/06/20 18:12	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/06/20 18:12	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:12	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/06/20 18:12	1
Chloroform	**3.1**		2.0	0.48	ug/L			01/06/20 18:12	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/06/20 18:12	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/06/20 18:12	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/06/20 18:12	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/06/20 18:12	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/06/20 18:12	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/06/20 18:12	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/06/20 18:12	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/06/20 18:12	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/06/20 18:12	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/06/20 18:12	1
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/06/20 18:12	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/06/20 18:12	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/06/20 18:12	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/06/20 18:12	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/06/20 18:12	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/06/20 18:12	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/06/20 18:12	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/06/20 18:12	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/06/20 18:12	1
Styrene	ND	E8	2.0	0.49	ug/L			01/06/20 18:12	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/06/20 18:12	1
Tetrachloroethene	**7.8**		2.0	0.48	ug/L			01/06/20 18:12	1
Toluene	ND	E8	2.0	0.49	ug/L			01/06/20 18:12	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/06/20 18:12	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/06/20 18:12	1
Trichloroethene	**9.0**		2.0	0.54	ug/L			01/06/20 18:12	1
Trichlorofluoromethane	**0.80**	**E4**	5.0	0.63	ug/L			01/06/20 18:12	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/06/20 18:12	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/06/20 18:12	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/06/20 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*01/06/20 18:12*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/06/20 18:12*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*01/06/20 18:12*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**370**	**D2**	200	98	ug/L			01/07/20 21:36	10

Client Sample Results

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Client Sample ID: AVB66-02-20200102

Lab Sample ID: 550-135578-3

Date Collected: 01/02/20 11:30
Matrix: Water
Date Received: 01/04/20 10:22

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*01/07/20 21:36*	*10*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/07/20 21:36*	*10*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*01/07/20 21:36*	*10*

Client Sample ID: AVB66-01-20200102

Lab Sample ID: 550-135578-4

Date Collected: 01/02/20 12:00
Matrix: Water
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/06/20 18:39	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/06/20 18:39	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/06/20 18:39	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/06/20 18:39	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/06/20 18:39	1
1,1-Dichloroethene	ND	E8	5.0	0.54	ug/L			01/06/20 18:39	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/06/20 18:39	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/06/20 18:39	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/06/20 18:39	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/06/20 18:39	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:39	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/06/20 18:39	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/06/20 18:39	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/06/20 18:39	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/06/20 18:39	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/06/20 18:39	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:39	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:39	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/06/20 18:39	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/06/20 18:39	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/06/20 18:39	1
2-Butanone (MEK)	**78**		10	6.0	ug/L			01/06/20 18:39	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/06/20 18:39	1
2-Hexanone	ND	E8	10	1.6	ug/L			01/06/20 18:39	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/06/20 18:39	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/06/20 18:39	1
Benzene	ND	E8	2.0	0.52	ug/L			01/06/20 18:39	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/06/20 18:39	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/06/20 18:39	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/06/20 18:39	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/06/20 18:39	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/06/20 18:39	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/06/20 18:39	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/06/20 18:39	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 18:39	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/06/20 18:39	1
Chloroform	ND	E8	2.0	0.48	ug/L			01/06/20 18:39	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/06/20 18:39	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/06/20 18:39	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/06/20 18:39	1

Client Sample ID: AVB66-01-20200102

Lab Sample ID: 550-135578-4

Date Collected: 01/02/20 12:00
Matrix: Water
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/06/20 18:39	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/06/20 18:39	1
Dichlorodifluoromethane	**4.5**	**E4**	5.0	0.84	ug/L			01/06/20 18:39	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/06/20 18:39	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/06/20 18:39	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/06/20 18:39	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/06/20 18:39	1
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/06/20 18:39	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/06/20 18:39	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/06/20 18:39	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/06/20 18:39	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/06/20 18:39	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/06/20 18:39	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/06/20 18:39	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/06/20 18:39	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/06/20 18:39	1
Styrene	ND	E8	2.0	0.49	ug/L			01/06/20 18:39	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/06/20 18:39	1
Tetrachloroethene	ND	E8	2.0	0.48	ug/L			01/06/20 18:39	1
Toluene	ND	E8	2.0	0.49	ug/L			01/06/20 18:39	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/06/20 18:39	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/06/20 18:39	1
Trichloroethene	ND	E8	2.0	0.54	ug/L			01/06/20 18:39	1
Trichlorofluoromethane	ND	E8	5.0	0.63	ug/L			01/06/20 18:39	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/06/20 18:39	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/06/20 18:39	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/06/20 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*01/06/20 18:39*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/06/20 18:39*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*01/06/20 18:39*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**360**	**D2**	200	98	ug/L			01/07/20 22:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*01/07/20 22:03*	*10*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/07/20 22:03*	*10*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*01/07/20 22:03*	*10*

Client Sample ID: DUP-01-20200102

Lab Sample ID: 550-135578-5

Date Collected: 01/02/20 09:00
Matrix: Water
Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/06/20 19:06	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/06/20 19:06	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/06/20 19:06	1

Client Sample ID: DUP-01-20200102

Lab Sample ID: 550-135578-5

Date Collected: 01/02/20 09:00

Matrix: Water

Date Received: 01/04/20 10:22

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/06/20 19:06	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/06/20 19:06	1
1,1-Dichloroethene	**2.2**	**E4**	5.0	0.54	ug/L			01/06/20 19:06	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/06/20 19:06	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/06/20 19:06	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/06/20 19:06	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/06/20 19:06	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 19:06	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/06/20 19:06	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/06/20 19:06	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/06/20 19:06	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/06/20 19:06	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/06/20 19:06	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 19:06	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 19:06	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/06/20 19:06	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/06/20 19:06	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/06/20 19:06	1
2-Butanone (MEK)	**88**		10	6.0	ug/L			01/06/20 19:06	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/06/20 19:06	1
2-Hexanone	ND	E8	10	1.6	ug/L			01/06/20 19:06	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/06/20 19:06	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/06/20 19:06	1
Benzene	ND	E8	2.0	0.52	ug/L			01/06/20 19:06	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/06/20 19:06	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/06/20 19:06	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/06/20 19:06	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/06/20 19:06	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/06/20 19:06	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/06/20 19:06	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/06/20 19:06	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 19:06	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/06/20 19:06	1
Chloroform	**3.1**		2.0	0.48	ug/L			01/06/20 19:06	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/06/20 19:06	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/06/20 19:06	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/06/20 19:06	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/06/20 19:06	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/06/20 19:06	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/06/20 19:06	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/06/20 19:06	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/06/20 19:06	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/06/20 19:06	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/06/20 19:06	1
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/06/20 19:06	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/06/20 19:06	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/06/20 19:06	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/06/20 19:06	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/06/20 19:06	1

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Client Sample ID: DUP-01-20200102

Lab Sample ID: 550-135578-5

Date Collected: 01/02/20 09:00
Date Received: 01/04/20 10:22

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/06/20 19:06	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/06/20 19:06	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/06/20 19:06	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/06/20 19:06	1
Styrene	ND	E8	2.0	0.49	ug/L			01/06/20 19:06	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/06/20 19:06	1
Tetrachloroethene	**8.3**		2.0	0.48	ug/L			01/06/20 19:06	1
Toluene	ND	E8	2.0	0.49	ug/L			01/06/20 19:06	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/06/20 19:06	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/06/20 19:06	1
Trichloroethene	**9.2**		2.0	0.54	ug/L			01/06/20 19:06	1
Trichlorofluoromethane	**0.83**	**E4**	5.0	0.63	ug/L			01/06/20 19:06	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/06/20 19:06	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/06/20 19:06	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/06/20 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*01/06/20 19:06*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/06/20 19:06*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*01/06/20 19:06*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**390**	**D2**	200	98	ug/L			01/07/20 22:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*01/07/20 22:30*	*10*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/07/20 22:30*	*10*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*01/07/20 22:30*	*10*

Surrogate Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	**Client Sample ID**	**DBFM (70-130)**	**TOL (70-130)**	**BFB (70-130)**
550-135526-A-1 MS	Matrix Spike	89	90	89
550-135526-A-1 MSD	Matrix Spike Duplicate	93	93	90
550-135578-1	Trip Blank	93	93	95
550-135578-1	Trip Blank	100	99	92
550-135578-2	PTG-7A-20200102	102	94	94
550-135578-2 - DL	PTG-7A-20200102	102	94	95
550-135578-2 MS	PTG-7A-20200102	102	94	93
550-135578-2 MSD	PTG-7A-20200102	102	95	97
550-135578-3	AVB66-02-20200102	103	97	92
550-135578-3 - DL	AVB66-02-20200102	104	96	94
550-135578-4	AVB66-01-20200102	104	98	92
550-135578-4 - DL	AVB66-01-20200102	104	97	95
550-135578-5	DUP-01-20200102	102	95	93
550-135578-5 - DL	DUP-01-20200102	103	95	96
550-135610-C-1 MS	Matrix Spike	103	95	98
550-135610-C-1 MSD	Matrix Spike Duplicate	101	95	100
LCS 550-199389/3	Lab Control Sample	92	91	92
LCS 550-199457/3	Lab Control Sample	100	94	96
LCS 550-199545/3	Lab Control Sample	103	97	98
LCSD 550-199389/4	Lab Control Sample Dup	91	91	91
LCSD 550-199457/4	Lab Control Sample Dup	100	95	94
LCSD 550-199545/4	Lab Control Sample Dup	98	98	97
MB 550-199389/5	Method Blank	92	93	95
MB 550-199457/6	Method Blank	102	96	93
MB 550-199545/6	Method Blank	99	96	93

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 550-199389/5
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/04/20 09:29	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/04/20 09:29	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/04/20 09:29	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/04/20 09:29	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/04/20 09:29	1
1,1-Dichloroethene	ND	E8	5.0	0.54	ug/L			01/04/20 09:29	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/04/20 09:29	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/04/20 09:29	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/04/20 09:29	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/04/20 09:29	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/04/20 09:29	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/04/20 09:29	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/04/20 09:29	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/04/20 09:29	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/04/20 09:29	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/04/20 09:29	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/04/20 09:29	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/04/20 09:29	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/04/20 09:29	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/04/20 09:29	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/04/20 09:29	1
2-Butanone (MEK)	ND	E8 V1	10	6.0	ug/L			01/04/20 09:29	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/04/20 09:29	1
2-Hexanone	ND	E8 V1	10	1.6	ug/L			01/04/20 09:29	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/04/20 09:29	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/04/20 09:29	1
Acetone	ND	E8 V1	20	9.8	ug/L			01/04/20 09:29	1
Benzene	ND	E8	2.0	0.52	ug/L			01/04/20 09:29	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/04/20 09:29	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/04/20 09:29	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/04/20 09:29	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/04/20 09:29	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/04/20 09:29	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/04/20 09:29	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/04/20 09:29	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/04/20 09:29	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/04/20 09:29	1
Chloroform	ND	E8	2.0	0.48	ug/L			01/04/20 09:29	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/04/20 09:29	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/04/20 09:29	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/04/20 09:29	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/04/20 09:29	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/04/20 09:29	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/04/20 09:29	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/04/20 09:29	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/04/20 09:29	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/04/20 09:29	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/04/20 09:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-199389/5
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/04/20 09:29	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/04/20 09:29	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/04/20 09:29	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/04/20 09:29	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/04/20 09:29	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/04/20 09:29	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/04/20 09:29	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/04/20 09:29	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/04/20 09:29	1
Styrene	ND	E8	2.0	0.49	ug/L			01/04/20 09:29	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/04/20 09:29	1
Tetrachloroethene	ND	E8	2.0	0.48	ug/L			01/04/20 09:29	1
Toluene	ND	E8	2.0	0.49	ug/L			01/04/20 09:29	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/04/20 09:29	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/04/20 09:29	1
Trichloroethene	ND	E8	2.0	0.54	ug/L			01/04/20 09:29	1
Trichlorofluoromethane	ND	E8	5.0	0.63	ug/L			01/04/20 09:29	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/04/20 09:29	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/04/20 09:29	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/04/20 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*01/04/20 09:29*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/04/20 09:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*01/04/20 09:29*	*1*

Lab Sample ID: LCS 550-199389/3
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 130
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	70 - 130
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	70 - 130
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloroethene	25.0	25.0		ug/L		100	70 - 130
1,1-Dichloropropene	25.0	24.4		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	25.0	18.2		ug/L		73	70 - 130
1,2,3-Trichloropropane	25.0	23.9		ug/L		96	70 - 130
1,2,4-Trichlorobenzene	25.0	20.2		ug/L		81	70 - 130
1,2,4-Trimethylbenzene	25.0	24.1		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	19.7		ug/L		79	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.3		ug/L		97	70 - 130
1,2-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130
1,2-Dichloroethane	25.0	24.2		ug/L		97	70 - 130
1,2-Dichloropropane	25.0	24.5		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	25.0	24.3		ug/L		97	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-199389/3
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	70 - 130
1,3-Dichloropropane	25.0	24.2		ug/L		97	70 - 130
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130
2,2-Dichloropropane	25.0	22.7		ug/L		91	70 - 130
2-Butanone (MEK)	25.0	40.0	L5 V1	ug/L		160	50 - 150
2-Chlorotoluene	25.0	24.3		ug/L		97	70 - 130
2-Hexanone	25.0	43.8	L5 V1	ug/L		175	52 - 138
4-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	27.5		ug/L		110	64 - 131
Acetone	25.0	53.0	L5 V1	ug/L		212	18 - 150
Benzene	25.0	24.9		ug/L		100	70 - 130
Bromobenzene	25.0	23.5		ug/L		94	70 - 130
Bromochloromethane	25.0	25.3		ug/L		101	70 - 130
Bromodichloromethane	25.0	23.7		ug/L		95	70 - 130
Bromoform	25.0	22.4		ug/L		90	70 - 130
Bromomethane	25.0	27.7		ug/L		111	62 - 136
Carbon disulfide	25.0	33.4	L5	ug/L		134	70 - 130
Carbon tetrachloride	25.0	23.8		ug/L		95	70 - 130
Chlorobenzene	25.0	23.7		ug/L		95	70 - 130
Chloroethane	25.0	29.7		ug/L		119	70 - 130
Chloroform	25.0	25.1		ug/L		100	80 - 120
Chloromethane	25.0	26.5		ug/L		106	64 - 134
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	24.1		ug/L		97	70 - 130
Chlorodibromomethane	25.0	23.6		ug/L		94	70 - 130
Dibromomethane	25.0	25.3		ug/L		101	70 - 130
Dichlorodifluoromethane	25.0	29.6		ug/L		119	29 - 150
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	20.1		ug/L		81	70 - 130
Iodomethane	25.0	30.4		ug/L		122	70 - 136
Isopropylbenzene	25.0	23.1		ug/L		92	70 - 130
m,p-Xylenes	25.0	22.4		ug/L		90	70 - 130
Methylene Chloride	25.0	24.6		ug/L		98	70 - 130
Methyl tert-butyl ether	25.0	21.7		ug/L		87	70 - 132
Naphthalene	25.0	18.7		ug/L		75	70 - 130
n-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
n-Propylbenzene	25.0	24.1		ug/L		96	70 - 130
o-Xylene	25.0	22.8		ug/L		91	70 - 130
p-Isopropyltoluene	25.0	23.5		ug/L		94	70 - 130
sec-Butylbenzene	25.0	23.7		ug/L		95	70 - 130
Styrene	25.0	23.5		ug/L		94	70 - 130
tert-Butylbenzene	25.0	23.5		ug/L		94	70 - 130
Tetrachloroethene	25.0	23.5		ug/L		94	70 - 130
Toluene	25.0	23.5		ug/L		94	80 - 120
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	70 - 130
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	70 - 130
Trichloroethene	25.0	24.5		ug/L		98	70 - 130
Trichlorofluoromethane	25.0	27.5		ug/L		110	70 - 130
Vinyl acetate	25.0	27.1		ug/L		108	63 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-199389/3
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	27.9		ug/L		112	70 - 130
Xylenes, Total	50.0	45.2		ug/L		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 550-199389/4
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.2		ug/L		93	70 - 130	1	20
1,1,1-Trichloroethane	25.0	24.1		ug/L		97	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	21.8		ug/L		87	70 - 130	5	20
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	70 - 130	4	20
1,1-Dichloroethane	25.0	25.3		ug/L		101	70 - 130	2	20
1,1-Dichloroethene	25.0	25.1		ug/L		100	70 - 130	1	20
1,1-Dichloropropene	25.0	23.8		ug/L		95	70 - 130	2	20
1,2,3-Trichlorobenzene	25.0	18.1		ug/L		72	70 - 130	0	20
1,2,3-Trichloropropane	25.0	23.0		ug/L		92	70 - 130	4	20
1,2,4-Trichlorobenzene	25.0	19.9		ug/L		80	70 - 130	1	20
1,2,4-Trimethylbenzene	25.0	24.0		ug/L		96	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	18.8		ug/L		75	61 - 130	5	21
1,2-Dibromoethane (EDB)	25.0	24.1		ug/L		96	70 - 130	1	20
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	70 - 130	2	20
1,2-Dichloroethane	25.0	23.5		ug/L		94	70 - 130	3	20
1,2-Dichloropropane	25.0	24.4		ug/L		97	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	24.4		ug/L		97	70 - 130	0	20
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	70 - 130	2	20
1,3-Dichloropropane	25.0	23.9		ug/L		96	70 - 130	1	20
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130	1	20
2,2-Dichloropropane	25.0	22.7		ug/L		91	70 - 130	0	20
2-Butanone (MEK)	25.0	38.2	L5 V1	ug/L		153	50 - 150	5	34
2-Chlorotoluene	25.0	23.9		ug/L		95	70 - 130	2	20
2-Hexanone	25.0	41.7	L5 V1	ug/L		167	52 - 138	5	29
4-Chlorotoluene	25.0	24.5		ug/L		98	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	25.0	26.3		ug/L		105	64 - 131	5	23
Acetone	25.0	55.1	L5 V1	ug/L		220	18 - 150	4	35
Benzene	25.0	24.7		ug/L		99	70 - 130	1	20
Bromobenzene	25.0	23.3		ug/L		93	70 - 130	1	20
Bromochloromethane	25.0	24.4		ug/L		98	70 - 130	3	20
Bromodichloromethane	25.0	23.6		ug/L		94	70 - 130	1	20
Bromoform	25.0	21.8		ug/L		87	70 - 130	3	20
Bromomethane	25.0	28.0		ug/L		112	62 - 136	1	20
Carbon disulfide	25.0	32.8	L5	ug/L		131	70 - 130	2	20
Carbon tetrachloride	25.0	23.7		ug/L		95	70 - 130	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-199389/4
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	25.0	23.6		ug/L		94	70 - 130	1	20
Chloroethane	25.0	28.8		ug/L		115	70 - 130	3	20
Chloroform	25.0	24.7		ug/L		99	80 - 120	2	20
Chloromethane	25.0	26.2		ug/L		105	64 - 134	1	20
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	70 - 130	1	20
Chlorodibromomethane	25.0	22.8		ug/L		91	70 - 130	3	20
Dibromomethane	25.0	24.8		ug/L		99	70 - 130	2	20
Dichlorodifluoromethane	25.0	29.1		ug/L		116	29 - 150	2	21
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120	0	20
Hexachlorobutadiene	25.0	20.2		ug/L		81	70 - 130	0	20
Iodomethane	25.0	30.2		ug/L		121	70 - 136	1	20
Isopropylbenzene	25.0	22.9		ug/L		91	70 - 130	1	20
m,p-Xylenes	25.0	22.5		ug/L		90	70 - 130	0	20
Methylene Chloride	25.0	24.1		ug/L		96	70 - 130	2	20
Methyl tert-butyl ether	25.0	21.0		ug/L		84	70 - 132	3	20
Naphthalene	25.0	18.2		ug/L		73	70 - 130	3	20
n-Butylbenzene	25.0	25.0		ug/L		100	70 - 130	2	20
n-Propylbenzene	25.0	23.7		ug/L		95	70 - 130	1	20
o-Xylene	25.0	22.5		ug/L		90	70 - 130	1	20
p-Isopropyltoluene	25.0	23.0		ug/L		92	70 - 130	2	20
sec-Butylbenzene	25.0	23.5		ug/L		94	70 - 130	1	20
Styrene	25.0	23.1		ug/L		92	70 - 130	2	20
tert-Butylbenzene	25.0	23.1		ug/L		92	70 - 130	2	20
Tetrachloroethene	25.0	23.6		ug/L		95	70 - 130	0	20
Toluene	25.0	23.5		ug/L		94	80 - 120	0	20
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	23.8		ug/L		95	70 - 130	2	20
Trichloroethene	25.0	24.0		ug/L		96	70 - 130	2	20
Trichlorofluoromethane	25.0	26.4		ug/L		106	70 - 130	4	20
Vinyl acetate	25.0	24.0	E4	ug/L		96	63 - 147	12	20
Vinyl chloride	25.0	27.8		ug/L		111	70 - 130	0	20
Xylenes, Total	50.0	45.0		ug/L		90	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 550-135526-A-1 MS
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	23.4		ug/L		94	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	24.3		ug/L		97	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	22.4		ug/L		90	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	23.8		ug/L		95	66 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135526-A-1 MS
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND	E8	25.0	25.5		ug/L		102	70 - 137
1,1-Dichloroethene	ND	E8	25.0	24.9		ug/L		100	53 - 150
1,1-Dichloropropene	ND	E8	25.0	24.1		ug/L		96	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	18.4		ug/L		74	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	23.7		ug/L		95	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	20.0		ug/L		80	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	23.9		ug/L		96	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	19.8		ug/L		79	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	24.5		ug/L		98	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	23.8		ug/L		95	67 - 131
1,2-Dichloroethane	ND	E8	25.0	24.9		ug/L		100	58 - 146
1,2-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	23.6		ug/L		94	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	24.7		ug/L		99	68 - 130
1,3-Dichloropropane	ND	E8	25.0	24.5		ug/L		98	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	24.6		ug/L		99	68 - 128
2,2-Dichloropropane	ND	E8	25.0	23.4		ug/L		94	54 - 150
2-Butanone (MEK)	ND	E8 V1	25.0	26.2	V1	ug/L		105	10 - 150
2-Chlorotoluene	ND	E8	25.0	23.9		ug/L		96	63 - 132
2-Hexanone	ND	E8 V1	25.0	24.5	V1	ug/L		98	37 - 150
4-Chlorotoluene	ND	E8	25.0	24.4		ug/L		98	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	23.8		ug/L		95	41 - 150
Acetone	ND	E8 V1	25.0	25.7	V1	ug/L		103	10 - 150
Benzene	ND	E8	25.0	25.0		ug/L		100	54 - 142
Bromobenzene	ND	E8	25.0	23.5		ug/L		94	69 - 132
Bromochloromethane	ND	E8	25.0	25.2		ug/L		101	67 - 145
Bromodichloromethane	ND	E8	25.0	24.1		ug/L		96	61 - 143
Bromoform	ND	E8	25.0	22.1		ug/L		89	57 - 142
Bromomethane	ND	E8	25.0	29.5		ug/L		118	56 - 149
Carbon disulfide	ND	E8	25.0	33.5		ug/L		134	48 - 150
Carbon tetrachloride	ND	E8	25.0	23.9		ug/L		95	60 - 143
Chlorobenzene	ND	E8	25.0	23.6		ug/L		94	69 - 129
Chloroethane	ND	E8	25.0	29.7		ug/L		119	60 - 146
Chloroform	ND	E8	25.0	25.3		ug/L		101	69 - 138
Chloromethane	ND	E8	25.0	26.3		ug/L		105	50 - 150
cis-1,2-Dichloroethene	ND	E8	25.0	25.0		ug/L		100	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	24.2		ug/L		97	57 - 145
Chlorodibromomethane	ND	E8	25.0	23.6		ug/L		94	61 - 143
Dibromomethane	ND	E8	25.0	25.5		ug/L		102	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	27.4		ug/L		109	21 - 150
Ethylbenzene	ND	E8	25.0	24.6		ug/L		99	46 - 149
Hexachlorobutadiene	ND	E8	25.0	20.0		ug/L		80	49 - 146
Iodomethane	ND	E8	25.0	30.6		ug/L		122	43 - 150
Isopropylbenzene	ND	E8	25.0	22.8		ug/L		91	56 - 143
m,p-Xylenes	ND	E8	25.0	22.3		ug/L		89	52 - 144
Methylene Chloride	ND	E8	25.0	24.4		ug/L		98	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	22.0		ug/L		88	56 - 148
Naphthalene	ND	E8	25.0	18.4		ug/L		74	47 - 150
n-Butylbenzene	ND	E8	25.0	25.4		ug/L		101	54 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135526-A-1 MS
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	ND	E8	25.0	23.9		ug/L		96	54 - 144
o-Xylene	ND	E8	25.0	22.6		ug/L		90	55 - 143
p-Isopropyltoluene	ND	E8	25.0	23.2		ug/L		93	53 - 147
sec-Butylbenzene	ND	E8	25.0	23.6		ug/L		94	55 - 145
Styrene	ND	E8	25.0	23.2		ug/L		93	21 - 150
tert-Butylbenzene	ND	E8	25.0	23.2		ug/L		93	57 - 143
Tetrachloroethene	ND	E8	25.0	23.7		ug/L		95	37 - 150
Toluene	ND	E8	25.0	23.7		ug/L		95	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	25.1		ug/L		100	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	23.9		ug/L		96	57 - 147
Trichloroethene	ND	E8	25.0	24.3		ug/L		97	62 - 134
Trichlorofluoromethane	ND	E8	25.0	27.8		ug/L		111	60 - 150
Vinyl acetate	ND	E8	25.0	29.2		ug/L		117	14 - 150
Vinyl chloride	ND	E8	25.0	27.8		ug/L		111	48 - 150
Xylenes, Total	ND	E8	50.0	44.9		ug/L		90	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 550-135526-A-1 MSD
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	23.4		ug/L		94	67 - 137	0	35
1,1,1-Trichloroethane	ND	E8	25.0	24.7		ug/L		99	64 - 143	2	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	23.6		ug/L		94	63 - 136	5	35
1,1,2-Trichloroethane	ND	E8	25.0	24.2		ug/L		97	66 - 137	2	35
1,1-Dichloroethane	ND	E8	25.0	26.0		ug/L		104	70 - 137	2	35
1,1-Dichloroethene	ND	E8	25.0	25.6		ug/L		102	53 - 150	3	35
1,1-Dichloropropene	ND	E8	25.0	24.6		ug/L		99	58 - 141	2	35
1,2,3-Trichlorobenzene	ND	E8	25.0	18.7		ug/L		75	57 - 144	1	35
1,2,3-Trichloropropane	ND	E8	25.0	25.1		ug/L		100	60 - 138	6	35
1,2,4-Trichlorobenzene	ND	E8	25.0	20.4		ug/L		81	58 - 140	2	35
1,2,4-Trimethylbenzene	ND	E8	25.0	24.5		ug/L		98	50 - 147	2	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	20.0		ug/L		80	51 - 143	1	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.2		ug/L		101	67 - 136	3	35
1,2-Dichlorobenzene	ND	E8	25.0	24.3		ug/L		97	67 - 131	2	35
1,2-Dichloroethane	ND	E8	25.0	25.0		ug/L		100	58 - 146	0	35
1,2-Dichloropropane	ND	E8	25.0	24.9		ug/L		100	66 - 135	1	35
1,3,5-Trimethylbenzene	ND	E8	25.0	24.3		ug/L		97	50 - 147	3	35
1,3-Dichlorobenzene	ND	E8	25.0	24.8		ug/L		99	68 - 130	0	35
1,3-Dichloropropane	ND	E8	25.0	24.5		ug/L		98	67 - 134	0	35
1,4-Dichlorobenzene	ND	E8	25.0	25.1		ug/L		100	68 - 128	2	35
2,2-Dichloropropane	ND	E8	25.0	22.4		ug/L		90	54 - 150	4	35
2-Butanone (MEK)	ND	E8 V1	25.0	28.0	V1	ug/L		112	10 - 150	7	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135526-A-1 MSD
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	ND	E8	25.0	24.6		ug/L		98	63 - 132	3	35
2-Hexanone	ND	E8 V1	25.0	26.1	V1	ug/L		104	37 - 150	6	35
4-Chlorotoluene	ND	E8	25.0	24.7		ug/L		99	66 - 131	1	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	25.2		ug/L		101	41 - 150	6	35
Acetone	ND	E8 V1	25.0	28.8	V1	ug/L		115	10 - 150	11	35
Benzene	ND	E8	25.0	25.3		ug/L		101	54 - 142	1	35
Bromobenzene	ND	E8	25.0	23.7		ug/L		95	69 - 132	1	35
Bromochloromethane	ND	E8	25.0	25.9		ug/L		103	67 - 145	3	35
Bromodichloromethane	ND	E8	25.0	24.0		ug/L		96	61 - 143	0	35
Bromoform	ND	E8	25.0	22.3		ug/L		89	57 - 142	1	35
Bromomethane	ND	E8	25.0	29.2		ug/L		117	56 - 149	1	35
Carbon disulfide	ND	E8	25.0	33.7		ug/L		135	48 - 150	1	35
Carbon tetrachloride	ND	E8	25.0	24.0		ug/L		96	60 - 143	1	35
Chlorobenzene	ND	E8	25.0	23.8		ug/L		95	69 - 129	1	35
Chloroethane	ND	E8	25.0	30.5		ug/L		122	60 - 146	3	35
Chloroform	ND	E8	25.0	25.5		ug/L		102	69 - 138	1	35
Chloromethane	ND	E8	25.0	26.4		ug/L		106	50 - 150	0	35
cis-1,2-Dichloroethene	ND	E8	25.0	25.3		ug/L		101	65 - 139	1	35
cis-1,3-Dichloropropene	ND	E8	25.0	24.4		ug/L		98	57 - 145	1	35
Chlorodibromomethane	ND	E8	25.0	23.4		ug/L		94	61 - 143	1	35
Dibromomethane	ND	E8	25.0	26.0		ug/L		104	64 - 138	2	35
Dichlorodifluoromethane	ND	E8	25.0	29.4		ug/L		117	21 - 150	7	35
Ethylbenzene	ND	E8	25.0	25.0		ug/L		100	46 - 149	2	35
Hexachlorobutadiene	ND	E8	25.0	20.4		ug/L		82	49 - 146	2	35
Iodomethane	ND	E8	25.0	30.5		ug/L		122	43 - 150	0	35
Isopropylbenzene	ND	E8	25.0	23.2		ug/L		93	56 - 143	2	35
m,p-Xylenes	ND	E8	25.0	22.6		ug/L		90	52 - 144	2	35
Methylene Chloride	ND	E8	25.0	24.9		ug/L		100	66 - 134	2	35
Methyl tert-butyl ether	ND	E8	25.0	22.1		ug/L		88	56 - 148	0	35
Naphthalene	ND	E8	25.0	19.4		ug/L		78	47 - 150	6	35
n-Butylbenzene	ND	E8	25.0	25.4		ug/L		102	54 - 145	0	35
n-Propylbenzene	ND	E8	25.0	24.4		ug/L		97	54 - 144	2	35
o-Xylene	ND	E8	25.0	23.1		ug/L		92	55 - 143	2	35
p-Isopropyltoluene	ND	E8	25.0	23.6		ug/L		94	53 - 147	2	35
sec-Butylbenzene	ND	E8	25.0	24.1		ug/L		96	55 - 145	2	35
Styrene	ND	E8	25.0	23.5		ug/L		94	21 - 150	1	35
tert-Butylbenzene	ND	E8	25.0	23.6		ug/L		94	57 - 143	2	35
Tetrachloroethene	ND	E8	25.0	24.1		ug/L		97	37 - 150	2	35
Toluene	ND	E8	25.0	23.8		ug/L		95	56 - 141	1	35
trans-1,2-Dichloroethene	ND	E8	25.0	25.1		ug/L		100	69 - 136	0	35
trans-1,3-Dichloropropene	ND	E8	25.0	24.2		ug/L		97	57 - 147	1	35
Trichloroethene	ND	E8	25.0	24.4		ug/L		97	62 - 134	0	35
Trichlorofluoromethane	ND	E8	25.0	27.4		ug/L		110	60 - 150	1	35
Vinyl acetate	ND	E8	25.0	29.7		ug/L		119	14 - 150	2	35
Vinyl chloride	ND	E8	25.0	28.1		ug/L		112	48 - 150	1	35
Xylenes, Total	ND	E8	50.0	45.7		ug/L		91	53 - 145	2	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135526-A-1 MSD
Matrix: Water
Analysis Batch: 199389

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 550-199457/6
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/06/20 14:38	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/06/20 14:38	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/06/20 14:38	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/06/20 14:38	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/06/20 14:38	1
1,1-Dichloroethene	ND	E8	5.0	0.54	ug/L			01/06/20 14:38	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/06/20 14:38	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/06/20 14:38	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/06/20 14:38	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/06/20 14:38	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 14:38	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/06/20 14:38	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/06/20 14:38	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/06/20 14:38	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/06/20 14:38	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/06/20 14:38	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/06/20 14:38	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 14:38	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/06/20 14:38	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/06/20 14:38	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/06/20 14:38	1
2-Butanone (MEK)	ND	E8	10	6.0	ug/L			01/06/20 14:38	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/06/20 14:38	1
2-Hexanone	ND	E8	10	1.6	ug/L			01/06/20 14:38	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/06/20 14:38	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/06/20 14:38	1
Acetone	ND	E8	20	9.8	ug/L			01/06/20 14:38	1
Benzene	ND	E8	2.0	0.52	ug/L			01/06/20 14:38	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/06/20 14:38	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/06/20 14:38	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/06/20 14:38	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/06/20 14:38	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/06/20 14:38	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/06/20 14:38	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/06/20 14:38	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/06/20 14:38	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/06/20 14:38	1
Chloroform	ND	E8	2.0	0.48	ug/L			01/06/20 14:38	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/06/20 14:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-199457/6
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/06/20 14:38	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/06/20 14:38	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/06/20 14:38	1
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/06/20 14:38	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/06/20 14:38	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/06/20 14:38	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/06/20 14:38	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/06/20 14:38	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/06/20 14:38	1
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/06/20 14:38	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/06/20 14:38	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/06/20 14:38	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/06/20 14:38	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/06/20 14:38	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/06/20 14:38	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/06/20 14:38	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/06/20 14:38	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/06/20 14:38	1
Styrene	ND	E8	2.0	0.49	ug/L			01/06/20 14:38	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/06/20 14:38	1
Tetrachloroethene	ND	E8	2.0	0.48	ug/L			01/06/20 14:38	1
Toluene	ND	E8	2.0	0.49	ug/L			01/06/20 14:38	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/06/20 14:38	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/06/20 14:38	1
Trichloroethene	ND	E8	2.0	0.54	ug/L			01/06/20 14:38	1
Trichlorofluoromethane	ND	E8	5.0	0.63	ug/L			01/06/20 14:38	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/06/20 14:38	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/06/20 14:38	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/06/20 14:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*01/06/20 14:38*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/06/20 14:38*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*01/06/20 14:38*	*1*

Lab Sample ID: LCS 550-199457/3
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 130
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	70 - 130
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	70 - 130
1,1-Dichloroethane	25.0	24.6		ug/L		98	70 - 130
1,1-Dichloroethene	25.0	23.6		ug/L		94	70 - 130
1,1-Dichloropropene	25.0	21.9		ug/L		87	70 - 130
1,2,3-Trichlorobenzene	25.0	20.9		ug/L		84	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-199457/3
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	23.5		ug/L		94	70 - 130
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	70 - 130
1,2,4-Trimethylbenzene	25.0	23.4		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	22.6		ug/L		91	61 - 130
1,2-Dibromoethane (EDB)	25.0	25.6		ug/L		102	70 - 130
1,2-Dichlorobenzene	25.0	22.6		ug/L		91	70 - 130
1,2-Dichloroethane	25.0	23.8		ug/L		95	70 - 130
1,2-Dichloropropane	25.0	22.9		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	25.0	23.6		ug/L		94	70 - 130
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	70 - 130
1,3-Dichloropropane	25.0	24.9		ug/L		100	70 - 130
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130
2,2-Dichloropropane	25.0	24.8		ug/L		99	70 - 130
2-Butanone (MEK)	25.0	23.2		ug/L		93	50 - 150
2-Chlorotoluene	25.0	23.4		ug/L		93	70 - 130
2-Hexanone	25.0	24.0		ug/L		96	52 - 138
4-Chlorotoluene	25.0	23.0		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	22.9		ug/L		92	64 - 131
Acetone	25.0	21.5		ug/L		86	18 - 150
Benzene	25.0	22.3		ug/L		89	70 - 130
Bromobenzene	25.0	23.7		ug/L		95	70 - 130
Bromochloromethane	25.0	24.2		ug/L		97	70 - 130
Bromodichloromethane	25.0	24.5		ug/L		98	70 - 130
Bromoform	25.0	26.2		ug/L		105	70 - 130
Bromomethane	25.0	23.0		ug/L		92	62 - 136
Carbon disulfide	25.0	26.7		ug/L		107	70 - 130
Carbon tetrachloride	25.0	23.3		ug/L		93	70 - 130
Chlorobenzene	25.0	23.9		ug/L		95	70 - 130
Chloroethane	25.0	23.5		ug/L		94	70 - 130
Chloroform	25.0	25.4		ug/L		102	80 - 120
Chloromethane	25.0	22.8		ug/L		91	64 - 134
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	70 - 130
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	70 - 130
Chlorodibromomethane	25.0	24.6		ug/L		99	70 - 130
Dibromomethane	25.0	24.3		ug/L		97	70 - 130
Dichlorodifluoromethane	25.0	22.5		ug/L		90	29 - 150
Ethylbenzene	25.0	23.8		ug/L		95	80 - 120
Hexachlorobutadiene	25.0	22.1		ug/L		88	70 - 130
Iodomethane	25.0	29.2		ug/L		117	70 - 136
Isopropylbenzene	25.0	23.4		ug/L		94	70 - 130
m,p-Xylenes	25.0	23.1		ug/L		92	70 - 130
Methylene Chloride	25.0	23.3		ug/L		93	70 - 130
Methyl tert-butyl ether	25.0	22.6		ug/L		90	70 - 132
Naphthalene	25.0	20.5		ug/L		82	70 - 130
n-Butylbenzene	25.0	23.2		ug/L		93	70 - 130
n-Propylbenzene	25.0	23.5		ug/L		94	70 - 130
o-Xylene	25.0	23.0		ug/L		92	70 - 130
p-Isopropyltoluene	25.0	23.3		ug/L		93	70 - 130
sec-Butylbenzene	25.0	22.6		ug/L		90	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-199457/3
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	26.9		ug/L		108	70 - 130
tert-Butylbenzene	25.0	23.9		ug/L		96	70 - 130
Tetrachloroethene	25.0	23.7		ug/L		95	70 - 130
Toluene	25.0	22.9		ug/L		92	80 - 120
trans-1,2-Dichloroethene	25.0	23.9		ug/L		95	70 - 130
trans-1,3-Dichloropropene	25.0	27.1		ug/L		108	70 - 130
Trichloroethene	25.0	23.0		ug/L		92	70 - 130
Trichlorofluoromethane	25.0	23.7		ug/L		95	70 - 130
Vinyl acetate	25.0	33.1		ug/L		132	63 - 147
Vinyl chloride	25.0	21.7		ug/L		87	70 - 130
Xylenes, Total	50.0	46.1		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 550-199457/4
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.5		ug/L		102	70 - 130	5	20
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	70 - 130	3	20
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 130	3	20
1,1,2-Trichloroethane	25.0	25.1		ug/L		101	70 - 130	2	20
1,1-Dichloroethane	25.0	24.9		ug/L		100	70 - 130	1	20
1,1-Dichloroethene	25.0	24.3		ug/L		97	70 - 130	3	20
1,1-Dichloropropene	25.0	22.6		ug/L		90	70 - 130	3	20
1,2,3-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130	5	20
1,2,3-Trichloropropane	25.0	24.4		ug/L		97	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	22.9		ug/L		92	70 - 130	4	20
1,2,4-Trimethylbenzene	25.0	24.0		ug/L		96	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	61 - 130	4	21
1,2-Dibromoethane (EDB)	25.0	25.3		ug/L		101	70 - 130	1	20
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	70 - 130	2	20
1,2-Dichloroethane	25.0	25.2		ug/L		101	70 - 130	5	20
1,2-Dichloropropane	25.0	23.4		ug/L		94	70 - 130	2	20
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 130	3	20
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	70 - 130	1	20
1,3-Dichloropropane	25.0	24.5		ug/L		98	70 - 130	2	20
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	70 - 130	1	20
2,2-Dichloropropane	25.0	25.1		ug/L		101	70 - 130	1	20
2-Butanone (MEK)	25.0	26.3		ug/L		105	50 - 150	12	34
2-Chlorotoluene	25.0	24.1		ug/L		97	70 - 130	3	20
2-Hexanone	25.0	24.5		ug/L		98	52 - 138	2	29
4-Chlorotoluene	25.0	23.0		ug/L		92	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	25.0	24.2		ug/L		97	64 - 131	6	23

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-199457/4
Matrix: Water
Analysis Batch: 199457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			25.0	25.6		ug/L		103	18 - 150	17	35
Benzene			25.0	23.3		ug/L		93	70 - 130	4	20
Bromobenzene			25.0	24.3		ug/L		97	70 - 130	2	20
Bromochloromethane			25.0	25.3		ug/L		101	70 - 130	4	20
Bromodichloromethane			25.0	25.7		ug/L		103	70 - 130	5	20
Bromoform			25.0	26.8		ug/L		107	70 - 130	2	20
Bromomethane			25.0	23.6		ug/L		94	62 - 136	3	20
Carbon disulfide			25.0	27.6		ug/L		111	70 - 130	3	20
Carbon tetrachloride			25.0	24.7		ug/L		99	70 - 130	6	20
Chlorobenzene			25.0	24.1		ug/L		96	70 - 130	1	20
Chloroethane			25.0	24.4		ug/L		98	70 - 130	4	20
Chloroform			25.0	25.8		ug/L		103	80 - 120	1	20
Chloromethane			25.0	22.4		ug/L		89	64 - 134	2	20
cis-1,2-Dichloroethene			25.0	24.0		ug/L		96	70 - 130	6	20
cis-1,3-Dichloropropene			25.0	26.6		ug/L		106	70 - 130	1	20
Chlorodibromomethane			25.0	24.8		ug/L		99	70 - 130	1	20
Dibromomethane			25.0	25.9		ug/L		103	70 - 130	6	20
Dichlorodifluoromethane			25.0	22.9		ug/L		92	29 - 150	2	21
Ethylbenzene			25.0	24.1		ug/L		97	80 - 120	1	20
Hexachlorobutadiene			25.0	22.6		ug/L		90	70 - 130	2	20
Iodomethane			25.0	30.3		ug/L		121	70 - 136	4	20
Isopropylbenzene			25.0	24.3		ug/L		97	70 - 130	4	20
m,p-Xylenes			25.0	23.7		ug/L		95	70 - 130	3	20
Methylene Chloride			25.0	23.9		ug/L		96	70 - 130	3	20
Methyl tert-butyl ether			25.0	23.7		ug/L		95	70 - 132	5	20
Naphthalene			25.0	21.3		ug/L		85	70 - 130	4	20
n-Butylbenzene			25.0	23.9		ug/L		96	70 - 130	3	20
n-Propylbenzene			25.0	23.9		ug/L		96	70 - 130	2	20
o-Xylene			25.0	23.9		ug/L		96	70 - 130	4	20
p-Isopropyltoluene			25.0	24.1		ug/L		97	70 - 130	3	20
sec-Butylbenzene			25.0	23.5		ug/L		94	70 - 130	4	20
Styrene			25.0	27.2		ug/L		109	70 - 130	1	20
tert-Butylbenzene			25.0	24.6		ug/L		98	70 - 130	3	20
Tetrachloroethene			25.0	24.1		ug/L		96	70 - 130	2	20
Toluene			25.0	23.2		ug/L		93	80 - 120	1	20
trans-1,2-Dichloroethene			25.0	24.7		ug/L		99	70 - 130	3	20
trans-1,3-Dichloropropene			25.0	26.8		ug/L		107	70 - 130	1	20
Trichloroethene			25.0	23.9		ug/L		96	70 - 130	4	20
Trichlorofluoromethane			25.0	24.3		ug/L		97	70 - 130	3	20
Vinyl acetate			25.0	32.2		ug/L		129	63 - 147	3	20
Vinyl chloride			25.0	22.6		ug/L		90	70 - 130	4	20
Xylenes, Total			50.0	47.6		ug/L		95	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135578-2 MS
Matrix: Water
Analysis Batch: 199457

Client Sample ID: PTG-7A-20200102
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	25.5		ug/L		102	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	25.8		ug/L		103	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	22.6		ug/L		90	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	24.4		ug/L		98	66 - 137
1,1-Dichloroethane	ND	E8	25.0	25.9		ug/L		103	70 - 137
1,1-Dichloroethene	ND	E8	25.0	24.1		ug/L		96	53 - 150
1,1-Dichloropropene	ND	E8	25.0	22.3		ug/L		89	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	21.2		ug/L		85	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	23.1		ug/L		92	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	22.4		ug/L		90	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	23.7		ug/L		95	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	21.9		ug/L		88	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	24.7		ug/L		99	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	22.8		ug/L		91	67 - 131
1,2-Dichloroethane	ND	E8	25.0	25.2		ug/L		101	58 - 146
1,2-Dichloropropane	ND	E8	25.0	23.7		ug/L		95	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	23.5		ug/L		94	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	23.4		ug/L		94	68 - 130
1,3-Dichloropropane	ND	E8	25.0	23.9		ug/L		96	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	23.3		ug/L		93	68 - 128
2,2-Dichloropropane	ND	E8	25.0	25.3		ug/L		101	54 - 150
2-Butanone (MEK)	85		25.0	101		ug/L		65	10 - 150
2-Chlorotoluene	ND	E8	25.0	23.6		ug/L		94	63 - 132
2-Hexanone	ND	E8	25.0	20.9		ug/L		83	37 - 150
4-Chlorotoluene	ND	E8	25.0	22.6		ug/L		90	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	22.1		ug/L		89	41 - 150
Benzene	ND	E8	25.0	23.4		ug/L		94	54 - 142
Bromobenzene	ND	E8	25.0	23.8		ug/L		95	69 - 132
Bromochloromethane	ND	E8	25.0	25.7		ug/L		103	67 - 145
Bromodichloromethane	ND	E8	25.0	25.4		ug/L		102	61 - 143
Bromoform	ND	E8	25.0	25.6		ug/L		102	57 - 142
Bromomethane	ND	E8	25.0	23.9		ug/L		96	56 - 149
Carbon disulfide	ND	E8	25.0	27.1		ug/L		108	48 - 150
Carbon tetrachloride	ND	E8	25.0	24.7		ug/L		99	60 - 143
Chlorobenzene	ND	E8	25.0	23.6		ug/L		95	69 - 129
Chloroethane	ND	E8	25.0	24.8		ug/L		99	60 - 146
Chloroform	ND	E8	25.0	26.0		ug/L		104	69 - 138
Chloromethane	ND	E8	25.0	23.6		ug/L		94	50 - 150
cis-1,2-Dichloroethene	4.2		25.0	28.6		ug/L		98	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	25.8		ug/L		103	57 - 145
Chlorodibromomethane	ND	E8	25.0	24.4		ug/L		98	61 - 143
Dibromomethane	ND	E8	25.0	25.5		ug/L		102	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	23.4		ug/L		94	21 - 150
Ethylbenzene	ND	E8	25.0	23.8		ug/L		95	46 - 149
Hexachlorobutadiene	ND	E8	25.0	21.8		ug/L		87	49 - 146
Iodomethane	ND	E8	25.0	30.6		ug/L		122	43 - 150
Isopropylbenzene	ND	E8	25.0	23.8		ug/L		95	56 - 143
m,p-Xylenes	ND	E8	25.0	23.0		ug/L		92	52 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135578-2 MS
Matrix: Water
Analysis Batch: 199457

Client Sample ID: PTG-7A-20200102
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	ND	E8	25.0	24.2		ug/L		97	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	24.1		ug/L		96	56 - 148
Naphthalene	ND	E8	25.0	20.7		ug/L		83	47 - 150
n-Butylbenzene	ND	E8	25.0	23.4		ug/L		93	54 - 145
n-Propylbenzene	ND	E8	25.0	23.5		ug/L		94	54 - 144
o-Xylene	ND	E8	25.0	23.9		ug/L		96	55 - 143
p-Isopropyltoluene	ND	E8	25.0	23.6		ug/L		94	53 - 147
sec-Butylbenzene	ND	E8	25.0	22.9		ug/L		91	55 - 145
Styrene	ND	E8	25.0	26.7		ug/L		107	21 - 150
tert-Butylbenzene	ND	E8	25.0	24.1		ug/L		96	57 - 143
Tetrachloroethene	ND	E8	25.0	23.8		ug/L		95	37 - 150
Toluene	ND	E8	25.0	23.3		ug/L		93	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	24.4		ug/L		98	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	25.5		ug/L		102	57 - 147
Trichloroethene	ND	E8	25.0	24.1		ug/L		96	62 - 134
Trichlorofluoromethane	ND	E8	25.0	23.9		ug/L		96	60 - 150
Vinyl acetate	ND	E8	25.0	34.0		ug/L		136	14 - 150
Vinyl chloride	ND	E8	25.0	23.4		ug/L		93	48 - 150
Xylenes, Total	ND	E8	50.0	46.9		ug/L		94	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 550-135578-2 MSD
Matrix: Water
Analysis Batch: 199457

Client Sample ID: PTG-7A-20200102
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	25.3		ug/L		101	67 - 137	1	35
1,1,1-Trichloroethane	ND	E8	25.0	25.5		ug/L		102	64 - 143	1	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	23.5		ug/L		94	63 - 136	4	35
1,1,2-Trichloroethane	ND	E8	25.0	24.9		ug/L		99	66 - 137	2	35
1,1-Dichloroethane	ND	E8	25.0	25.6		ug/L		102	70 - 137	1	35
1,1-Dichloroethene	ND	E8	25.0	24.1		ug/L		96	53 - 150	0	35
1,1-Dichloropropene	ND	E8	25.0	22.2		ug/L		89	58 - 141	1	35
1,2,3-Trichlorobenzene	ND	E8	25.0	22.0		ug/L		88	57 - 144	4	35
1,2,3-Trichloropropane	ND	E8	25.0	23.6		ug/L		94	60 - 138	2	35
1,2,4-Trichlorobenzene	ND	E8	25.0	22.7		ug/L		91	58 - 140	1	35
1,2,4-Trimethylbenzene	ND	E8	25.0	24.2		ug/L		97	50 - 147	2	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	22.6		ug/L		90	51 - 143	3	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.5		ug/L		102	67 - 136	3	35
1,2-Dichlorobenzene	ND	E8	25.0	23.2		ug/L		93	67 - 131	2	35
1,2-Dichloroethane	ND	E8	25.0	24.9		ug/L		100	58 - 146	1	35
1,2-Dichloropropane	ND	E8	25.0	23.8		ug/L		95	66 - 135	0	35
1,3,5-Trimethylbenzene	ND	E8	25.0	24.6		ug/L		98	50 - 147	5	35
1,3-Dichlorobenzene	ND	E8	25.0	23.9		ug/L		96	68 - 130	2	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135578-2 MSD
Matrix: Water
Analysis Batch: 199457

Client Sample ID: PTG-7A-20200102
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	67 - 134	3	35
1,4-Dichlorobenzene	ND	E8	25.0	24.1		ug/L		97	68 - 128	3	35
2,2-Dichloropropane	ND	E8	25.0	25.2		ug/L		101	54 - 150	0	35
2-Butanone (MEK)	85		25.0	104		ug/L		75	10 - 150	2	35
2-Chlorotoluene	ND	E8	25.0	23.9		ug/L		96	63 - 132	1	35
2-Hexanone	ND	E8	25.0	21.9		ug/L		88	37 - 150	5	35
4-Chlorotoluene	ND	E8	25.0	23.2		ug/L		93	66 - 131	2	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	22.3		ug/L		89	41 - 150	1	35
Benzene	ND	E8	25.0	23.1		ug/L		93	54 - 142	1	35
Bromobenzene	ND	E8	25.0	24.8		ug/L		99	69 - 132	4	35
Bromochloromethane	ND	E8	25.0	25.6		ug/L		102	67 - 145	0	35
Bromodichloromethane	ND	E8	25.0	25.7		ug/L		103	61 - 143	1	35
Bromoform	ND	E8	25.0	26.5		ug/L		106	57 - 142	3	35
Bromomethane	ND	E8	25.0	23.7		ug/L		95	56 - 149	1	35
Carbon disulfide	ND	E8	25.0	27.0		ug/L		108	48 - 150	1	35
Carbon tetrachloride	ND	E8	25.0	23.5		ug/L		94	60 - 143	5	35
Chlorobenzene	ND	E8	25.0	24.0		ug/L		96	69 - 129	2	35
Chloroethane	ND	E8	25.0	24.5		ug/L		98	60 - 146	1	35
Chloroform	ND	E8	25.0	26.4		ug/L		105	69 - 138	1	35
Chloromethane	ND	E8	25.0	22.1		ug/L		89	50 - 150	6	35
cis-1,2-Dichloroethene	4.2		25.0	27.7		ug/L		94	65 - 139	3	35
cis-1,3-Dichloropropene	ND	E8	25.0	26.5		ug/L		106	57 - 145	3	35
Chlorodibromomethane	ND	E8	25.0	24.7		ug/L		99	61 - 143	1	35
Dibromomethane	ND	E8	25.0	25.6		ug/L		102	64 - 138	0	35
Dichlorodifluoromethane	ND	E8	25.0	22.6		ug/L		90	21 - 150	4	35
Ethylbenzene	ND	E8	25.0	23.9		ug/L		96	46 - 149	0	35
Hexachlorobutadiene	ND	E8	25.0	22.7		ug/L		91	49 - 146	4	35
Iodomethane	ND	E8	25.0	30.6		ug/L		122	43 - 150	0	35
Isopropylbenzene	ND	E8	25.0	24.1		ug/L		96	56 - 143	1	35
m,p-Xylenes	ND	E8	25.0	23.5		ug/L		94	52 - 144	2	35
Methylene Chloride	ND	E8	25.0	24.3		ug/L		97	66 - 134	0	35
Methyl tert-butyl ether	ND	E8	25.0	24.0		ug/L		96	56 - 148	0	35
Naphthalene	ND	E8	25.0	21.3		ug/L		85	47 - 150	3	35
n-Butylbenzene	ND	E8	25.0	23.6		ug/L		94	54 - 145	1	35
n-Propylbenzene	ND	E8	25.0	23.9		ug/L		96	54 - 144	2	35
o-Xylene	ND	E8	25.0	24.0		ug/L		96	55 - 143	0	35
p-Isopropyltoluene	ND	E8	25.0	23.9		ug/L		96	53 - 147	1	35
sec-Butylbenzene	ND	E8	25.0	23.3		ug/L		93	55 - 145	2	35
Styrene	ND	E8	25.0	27.6		ug/L		110	21 - 150	3	35
tert-Butylbenzene	ND	E8	25.0	24.8		ug/L		99	57 - 143	3	35
Tetrachloroethene	ND	E8	25.0	23.1		ug/L		93	37 - 150	3	35
Toluene	ND	E8	25.0	23.4		ug/L		94	56 - 141	0	35
trans-1,2-Dichloroethene	ND	E8	25.0	24.6		ug/L		98	69 - 136	1	35
trans-1,3-Dichloropropene	ND	E8	25.0	26.6		ug/L		107	57 - 147	4	35
Trichloroethene	ND	E8	25.0	23.6		ug/L		94	62 - 134	2	35
Trichlorofluoromethane	ND	E8	25.0	23.7		ug/L		95	60 - 150	1	35
Vinyl acetate	ND	E8	25.0	33.1		ug/L		132	14 - 150	3	35
Vinyl chloride	ND	E8	25.0	21.9		ug/L		88	48 - 150	7	35
Xylenes, Total	ND	E8	50.0	47.5		ug/L		95	53 - 145	1	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 550-199545/6
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	E8	5.0	0.45	ug/L			01/07/20 14:23	1
1,1,1-Trichloroethane	ND	E8	2.0	0.44	ug/L			01/07/20 14:23	1
1,1,2,2-Tetrachloroethane	ND	E8	2.0	0.50	ug/L			01/07/20 14:23	1
1,1,2-Trichloroethane	ND	E8	2.0	0.54	ug/L			01/07/20 14:23	1
1,1-Dichloroethane	ND	E8	2.0	0.49	ug/L			01/07/20 14:23	1
1,1-Dichloroethene	ND	E8	5.0	0.54	ug/L			01/07/20 14:23	1
1,1-Dichloropropene	ND	E8	2.0	0.49	ug/L			01/07/20 14:23	1
1,2,3-Trichlorobenzene	ND	E8	5.0	1.4	ug/L			01/07/20 14:23	1
1,2,3-Trichloropropane	ND	E8	10	0.99	ug/L			01/07/20 14:23	1
1,2,4-Trichlorobenzene	ND	E8	5.0	0.89	ug/L			01/07/20 14:23	1
1,2,4-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/07/20 14:23	1
1,2-Dibromo-3-Chloropropane	ND	E8	5.0	1.3	ug/L			01/07/20 14:23	1
1,2-Dibromoethane (EDB)	ND	E8	2.0	0.47	ug/L			01/07/20 14:23	1
1,2-Dichlorobenzene	ND	E8	2.0	0.49	ug/L			01/07/20 14:23	1
1,2-Dichloroethane	ND	E8	2.0	0.53	ug/L			01/07/20 14:23	1
1,2-Dichloropropane	ND	E8	2.0	0.53	ug/L			01/07/20 14:23	1
1,3,5-Trimethylbenzene	ND	E8	2.0	0.48	ug/L			01/07/20 14:23	1
1,3-Dichlorobenzene	ND	E8	2.0	0.48	ug/L			01/07/20 14:23	1
1,3-Dichloropropane	ND	E8	2.0	0.50	ug/L			01/07/20 14:23	1
1,4-Dichlorobenzene	ND	E8	2.0	0.51	ug/L			01/07/20 14:23	1
2,2-Dichloropropane	ND	E8	2.0	0.57	ug/L			01/07/20 14:23	1
2-Butanone (MEK)	ND	E8	10	6.0	ug/L			01/07/20 14:23	1
2-Chlorotoluene	ND	E8	5.0	0.48	ug/L			01/07/20 14:23	1
2-Hexanone	ND	E8	10	1.6	ug/L			01/07/20 14:23	1
4-Chlorotoluene	ND	E8	5.0	0.49	ug/L			01/07/20 14:23	1
4-Methyl-2-pentanone (MIBK)	ND	E8	10	1.2	ug/L			01/07/20 14:23	1
Acetone	ND	E8	20	9.8	ug/L			01/07/20 14:23	1
Benzene	ND	E8	2.0	0.52	ug/L			01/07/20 14:23	1
Bromobenzene	ND	E8	5.0	0.49	ug/L			01/07/20 14:23	1
Bromochloromethane	ND	E8	5.0	0.48	ug/L			01/07/20 14:23	1
Bromodichloromethane	ND	E8	2.0	0.50	ug/L			01/07/20 14:23	1
Bromoform	ND	E8	5.0	0.64	ug/L			01/07/20 14:23	1
Bromomethane	ND	E8	5.0	2.4	ug/L			01/07/20 14:23	1
Carbon disulfide	ND	E8	5.0	1.8	ug/L			01/07/20 14:23	1
Carbon tetrachloride	ND	E8	5.0	0.49	ug/L			01/07/20 14:23	1
Chlorobenzene	ND	E8	2.0	0.48	ug/L			01/07/20 14:23	1
Chloroethane	ND	E8	5.0	0.62	ug/L			01/07/20 14:23	1
Chloroform	ND	E8	2.0	0.48	ug/L			01/07/20 14:23	1
Chloromethane	ND	E8	5.0	0.84	ug/L			01/07/20 14:23	1
cis-1,2-Dichloroethene	ND	E8	2.0	0.62	ug/L			01/07/20 14:23	1
cis-1,3-Dichloropropene	ND	E8	2.0	0.46	ug/L			01/07/20 14:23	1
Chlorodibromomethane	ND	E8	2.0	0.47	ug/L			01/07/20 14:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 550-199545/6
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND	E8	2.0	0.55	ug/L			01/07/20 14:23	1
Dichlorodifluoromethane	ND	E8	5.0	0.84	ug/L			01/07/20 14:23	1
Ethylbenzene	ND	E8	2.0	0.50	ug/L			01/07/20 14:23	1
Hexachlorobutadiene	ND	E8	5.0	1.4	ug/L			01/07/20 14:23	1
Iodomethane	ND	E8	2.0	0.53	ug/L			01/07/20 14:23	1
Isopropylbenzene	ND	E8	2.0	0.46	ug/L			01/07/20 14:23	1
m,p-Xylenes	ND	E8	5.0	0.45	ug/L			01/07/20 14:23	1
Methylene Chloride	ND	E8	5.0	1.4	ug/L			01/07/20 14:23	1
Methyl tert-butyl ether	ND	E8	1.0	0.52	ug/L			01/07/20 14:23	1
Naphthalene	ND	E8	5.0	2.2	ug/L			01/07/20 14:23	1
n-Butylbenzene	ND	E8	5.0	0.55	ug/L			01/07/20 14:23	1
n-Propylbenzene	ND	E8	2.0	0.49	ug/L			01/07/20 14:23	1
o-Xylene	ND	E8	5.0	0.47	ug/L			01/07/20 14:23	1
p-Isopropyltoluene	ND	E8	2.0	0.51	ug/L			01/07/20 14:23	1
sec-Butylbenzene	ND	E8	5.0	0.48	ug/L			01/07/20 14:23	1
Styrene	ND	E8	2.0	0.49	ug/L			01/07/20 14:23	1
tert-Butylbenzene	ND	E8	5.0	0.45	ug/L			01/07/20 14:23	1
Tetrachloroethene	ND	E8	2.0	0.48	ug/L			01/07/20 14:23	1
Toluene	ND	E8	2.0	0.49	ug/L			01/07/20 14:23	1
trans-1,2-Dichloroethene	ND	E8	2.0	0.52	ug/L			01/07/20 14:23	1
trans-1,3-Dichloropropene	ND	E8	2.0	0.65	ug/L			01/07/20 14:23	1
Trichloroethene	ND	E8	2.0	0.54	ug/L			01/07/20 14:23	1
Trichlorofluoromethane	ND	E8	5.0	0.63	ug/L			01/07/20 14:23	1
Vinyl acetate	ND	E8	25	1.9	ug/L			01/07/20 14:23	1
Vinyl chloride	ND	E8	5.0	0.82	ug/L			01/07/20 14:23	1
Xylenes, Total	ND	E8	10	0.99	ug/L			01/07/20 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*01/07/20 14:23*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/07/20 14:23*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*01/07/20 14:23*	*1*

Lab Sample ID: LCS 550-199545/3
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 130
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.6		ug/L		90	70 - 130
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	70 - 130
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,1-Dichloroethene	25.0	24.6		ug/L		98	70 - 130
1,1-Dichloropropene	25.0	23.2		ug/L		93	70 - 130
1,2,3-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130
1,2,3-Trichloropropane	25.0	23.1		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		99	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-199545/3
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	25.0	22.3		ug/L		89	61 - 130
1,2-Dibromoethane (EDB)	25.0	24.7		ug/L		99	70 - 130
1,2-Dichlorobenzene	25.0	23.4		ug/L		93	70 - 130
1,2-Dichloroethane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichloropropane	25.0	24.1		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	25.0	24.9		ug/L		100	70 - 130
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	70 - 130
1,3-Dichloropropane	25.0	24.2		ug/L		97	70 - 130
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	70 - 130
2,2-Dichloropropane	25.0	26.2		ug/L		105	70 - 130
2-Butanone (MEK)	25.0	25.5		ug/L		102	50 - 150
2-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130
2-Hexanone	25.0	23.2		ug/L		93	52 - 138
4-Chlorotoluene	25.0	23.7		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	22.2		ug/L		89	64 - 131
Acetone	25.0	24.9		ug/L		100	18 - 150
Benzene	25.0	23.8		ug/L		95	70 - 130
Bromobenzene	25.0	24.8		ug/L		99	70 - 130
Bromochloromethane	25.0	25.9		ug/L		104	70 - 130
Bromodichloromethane	25.0	25.7		ug/L		103	70 - 130
Bromoform	25.0	26.1		ug/L		104	70 - 130
Bromomethane	25.0	23.7		ug/L		95	62 - 136
Carbon disulfide	25.0	27.9		ug/L		112	70 - 130
Carbon tetrachloride	25.0	24.9		ug/L		99	70 - 130
Chlorobenzene	25.0	24.4		ug/L		98	70 - 130
Chloroethane	25.0	24.5		ug/L		98	70 - 130
Chloroform	25.0	26.3		ug/L		105	80 - 120
Chloromethane	25.0	23.9		ug/L		95	64 - 134
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	70 - 130
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 130
Chlorodibromomethane	25.0	24.9		ug/L		100	70 - 130
Dibromomethane	25.0	25.3		ug/L		101	70 - 130
Dichlorodifluoromethane	25.0	24.1		ug/L		96	29 - 150
Ethylbenzene	25.0	24.3		ug/L		97	80 - 120
Hexachlorobutadiene	25.0	23.0		ug/L		92	70 - 130
Iodomethane	25.0	31.2		ug/L		125	70 - 136
Isopropylbenzene	25.0	24.8		ug/L		99	70 - 130
m,p-Xylenes	25.0	23.9		ug/L		96	70 - 130
Methylene Chloride	25.0	24.7		ug/L		99	70 - 130
Methyl tert-butyl ether	25.0	22.8		ug/L		91	70 - 132
Naphthalene	25.0	20.7		ug/L		83	70 - 130
n-Butylbenzene	25.0	24.6		ug/L		98	70 - 130
n-Propylbenzene	25.0	24.6		ug/L		98	70 - 130
o-Xylene	25.0	24.6		ug/L		98	70 - 130
p-Isopropyltoluene	25.0	24.8		ug/L		99	70 - 130
sec-Butylbenzene	25.0	24.0		ug/L		96	70 - 130
Styrene	25.0	27.7		ug/L		111	70 - 130
tert-Butylbenzene	25.0	25.3		ug/L		101	70 - 130
Tetrachloroethene	25.0	24.3		ug/L		97	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 550-199545/3
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	23.7		ug/L		95	80 - 120
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	70 - 130
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 130
Trichloroethene	25.0	24.5		ug/L		98	70 - 130
Trichlorofluoromethane	25.0	24.4		ug/L		98	70 - 130
Vinyl acetate	25.0	32.4		ug/L		129	63 - 147
Vinyl chloride	25.0	22.9		ug/L		92	70 - 130
Xylenes, Total	50.0	48.5		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 550-199545/4
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.2		ug/L		97	70 - 130	6	20
1,1,1-Trichloroethane	25.0	26.4		ug/L		106	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	21.7		ug/L		87	70 - 130	4	20
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	70 - 130	5	20
1,1-Dichloroethane	25.0	25.1		ug/L		100	70 - 130	3	20
1,1-Dichloroethene	25.0	25.5		ug/L		102	70 - 130	4	20
1,1-Dichloropropene	25.0	23.5		ug/L		94	70 - 130	1	20
1,2,3-Trichlorobenzene	25.0	20.2		ug/L		81	70 - 130	8	20
1,2,3-Trichloropropane	25.0	23.0		ug/L		92	70 - 130	0	20
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		88	70 - 130	5	20
1,2,4-Trimethylbenzene	25.0	23.8		ug/L		95	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	25.0	22.6		ug/L		91	61 - 130	2	21
1,2-Dibromoethane (EDB)	25.0	24.7		ug/L		99	70 - 130	0	20
1,2-Dichlorobenzene	25.0	22.4		ug/L		90	70 - 130	4	20
1,2-Dichloroethane	25.0	23.4		ug/L		94	70 - 130	7	20
1,2-Dichloropropane	25.0	23.0		ug/L		92	70 - 130	4	20
1,3,5-Trimethylbenzene	25.0	24.3		ug/L		97	70 - 130	2	20
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130	1	20
1,3-Dichloropropane	25.0	23.8		ug/L		95	70 - 130	2	20
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130	1	20
2,2-Dichloropropane	25.0	26.1		ug/L		104	70 - 130	0	20
2-Butanone (MEK)	25.0	25.2		ug/L		101	50 - 150	1	34
2-Chlorotoluene	25.0	24.0		ug/L		96	70 - 130	3	20
2-Hexanone	25.0	24.0		ug/L		96	52 - 138	4	29
4-Chlorotoluene	25.0	23.7		ug/L		95	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	25.0	22.6		ug/L		91	64 - 131	2	23
Acetone	25.0	22.8		ug/L		91	18 - 150	9	35
Benzene	25.0	23.0		ug/L		92	70 - 130	4	20
Bromobenzene	25.0	24.3		ug/L		97	70 - 130	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 550-199545/4
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromochloromethane	25.0	24.1		ug/L		96	70 - 130	7	20
Bromodichloromethane	25.0	24.5		ug/L		98	70 - 130	5	20
Bromoform	25.0	24.9		ug/L		99	70 - 130	5	20
Bromomethane	25.0	23.4		ug/L		94	62 - 136	1	20
Carbon disulfide	25.0	28.3		ug/L		113	70 - 130	2	20
Carbon tetrachloride	25.0	25.0		ug/L		100	70 - 130	0	20
Chlorobenzene	25.0	24.4		ug/L		98	70 - 130	0	20
Chloroethane	25.0	25.2		ug/L		101	70 - 130	3	20
Chloroform	25.0	25.4		ug/L		101	80 - 120	4	20
Chloromethane	25.0	22.3		ug/L		89	64 - 134	7	20
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	70 - 130	6	20
cis-1,3-Dichloropropene	25.0	25.4		ug/L		101	70 - 130	5	20
Chlorodibromomethane	25.0	23.9		ug/L		95	70 - 130	4	20
Dibromomethane	25.0	23.6		ug/L		94	70 - 130	7	20
Dichlorodifluoromethane	25.0	24.2		ug/L		97	29 - 150	0	21
Ethylbenzene	25.0	25.1		ug/L		100	80 - 120	3	20
Hexachlorobutadiene	25.0	23.3		ug/L		93	70 - 130	2	20
Iodomethane	25.0	30.6		ug/L		122	70 - 136	2	20
Isopropylbenzene	25.0	24.6		ug/L		98	70 - 130	1	20
m,p-Xylenes	25.0	24.2		ug/L		97	70 - 130	1	20
Methylene Chloride	25.0	23.3		ug/L		93	70 - 130	6	20
Methyl tert-butyl ether	25.0	21.4		ug/L		86	70 - 132	6	20
Naphthalene	25.0	19.5		ug/L		78	70 - 130	6	20
n-Butylbenzene	25.0	24.6		ug/L		99	70 - 130	0	20
n-Propylbenzene	25.0	25.1		ug/L		100	70 - 130	2	20
o-Xylene	25.0	23.7		ug/L		95	70 - 130	3	20
p-Isopropyltoluene	25.0	24.4		ug/L		97	70 - 130	2	20
sec-Butylbenzene	25.0	23.8		ug/L		95	70 - 130	1	20
Styrene	25.0	27.4		ug/L		110	70 - 130	1	20
tert-Butylbenzene	25.0	24.8		ug/L		99	70 - 130	2	20
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130	5	20
Toluene	25.0	23.8		ug/L		95	80 - 120	1	20
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	70 - 130	2	20
Trichloroethene	25.0	24.1		ug/L		96	70 - 130	2	20
Trichlorofluoromethane	25.0	25.4		ug/L		101	70 - 130	4	20
Vinyl acetate	25.0	30.4		ug/L		122	63 - 147	6	20
Vinyl chloride	25.0	23.0		ug/L		92	70 - 130	0	20
Xylenes, Total	50.0	47.9		ug/L		96	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135610-C-1 MS
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	E8	25.0	26.1		ug/L		104	67 - 137
1,1,1-Trichloroethane	ND	E8	25.0	25.3		ug/L		101	64 - 143
1,1,2,2-Tetrachloroethane	ND	E8	25.0	23.7		ug/L		95	63 - 136
1,1,2-Trichloroethane	ND	E8	25.0	25.6		ug/L		102	66 - 137
1,1-Dichloroethane	ND	E8	25.0	26.2		ug/L		105	70 - 137
1,1-Dichloroethene	1.8	E4	25.0	25.1		ug/L		93	53 - 150
1,1-Dichloropropene	ND	E8	25.0	22.6		ug/L		90	58 - 141
1,2,3-Trichlorobenzene	ND	E8	25.0	21.5		ug/L		86	57 - 144
1,2,3-Trichloropropane	ND	E8	25.0	24.1		ug/L		97	60 - 138
1,2,4-Trichlorobenzene	ND	E8	25.0	22.4		ug/L		90	58 - 140
1,2,4-Trimethylbenzene	ND	E8	25.0	24.2		ug/L		97	50 - 147
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	23.2		ug/L		93	51 - 143
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.5		ug/L		102	67 - 136
1,2-Dichlorobenzene	ND	E8	25.0	23.4		ug/L		94	67 - 131
1,2-Dichloroethane	ND	E8	25.0	26.4		ug/L		106	58 - 146
1,2-Dichloropropane	ND	E8	25.0	24.5		ug/L		98	66 - 135
1,3,5-Trimethylbenzene	ND	E8	25.0	23.8		ug/L		95	50 - 147
1,3-Dichlorobenzene	ND	E8	25.0	23.8		ug/L		95	68 - 130
1,3-Dichloropropane	ND	E8	25.0	25.1		ug/L		100	67 - 134
1,4-Dichlorobenzene	ND	E8	25.0	24.0		ug/L		96	68 - 128
2,2-Dichloropropane	ND	E8	25.0	24.1		ug/L		96	54 - 150
2-Butanone (MEK)	ND	E8	25.0	22.2		ug/L		89	10 - 150
2-Chlorotoluene	ND	E8	25.0	24.2		ug/L		97	63 - 132
2-Hexanone	ND	E8	25.0	22.1		ug/L		89	37 - 150
4-Chlorotoluene	ND	E8	25.0	22.9		ug/L		92	66 - 131
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	22.7		ug/L		91	41 - 150
Acetone	ND	E8	25.0	15.0	E4	ug/L		60	10 - 150
Benzene	ND	E8	25.0	23.6		ug/L		94	54 - 142
Bromobenzene	ND	E8	25.0	24.4		ug/L		98	69 - 132
Bromochloromethane	ND	E8	25.0	26.2		ug/L		105	67 - 145
Bromodichloromethane	ND	E8	25.0	26.5		ug/L		106	61 - 143
Bromoform	ND	E8	25.0	26.7		ug/L		107	57 - 142
Bromomethane	ND	E8	25.0	23.3		ug/L		93	56 - 149
Carbon disulfide	ND	E8	25.0	26.2		ug/L		105	48 - 150
Carbon tetrachloride	0.61	E4	25.0	24.4		ug/L		95	60 - 143
Chlorobenzene	ND	E8	25.0	24.1		ug/L		96	69 - 129
Chloroethane	ND	E8	25.0	24.2		ug/L		97	60 - 146
Chloroform	0.54	E4	25.0	27.4		ug/L		107	69 - 138
Chloromethane	ND	E8	25.0	22.6		ug/L		90	50 - 150
cis-1,2-Dichloroethene	1.5	E4	25.0	26.3		ug/L		99	65 - 139
cis-1,3-Dichloropropene	ND	E8	25.0	26.5		ug/L		106	57 - 145
Chlorodibromomethane	ND	E8	25.0	25.0		ug/L		100	61 - 143
Dibromomethane	ND	E8	25.0	26.6		ug/L		106	64 - 138
Dichlorodifluoromethane	ND	E8	25.0	22.1		ug/L		88	21 - 150
Ethylbenzene	ND	E8	25.0	23.8		ug/L		95	46 - 149
Hexachlorobutadiene	ND	E8	25.0	22.4		ug/L		90	49 - 146
Iodomethane	ND	E8	25.0	30.3		ug/L		121	43 - 150
Isopropylbenzene	ND	E8	25.0	24.1		ug/L		97	56 - 143

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135610-C-1 MS
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylenes	ND	E8	25.0	23.6		ug/L		94	52 - 144
Methylene Chloride	ND	E8	25.0	24.6		ug/L		98	66 - 134
Methyl tert-butyl ether	ND	E8	25.0	23.9		ug/L		96	56 - 148
Naphthalene	ND	E8	25.0	21.4		ug/L		86	47 - 150
n-Butylbenzene	ND	E8	25.0	23.2		ug/L		93	54 - 145
n-Propylbenzene	ND	E8	25.0	23.6		ug/L		94	54 - 144
o-Xylene	ND	E8	25.0	24.2		ug/L		97	55 - 143
p-Isopropyltoluene	ND	E8	25.0	23.8		ug/L		95	53 - 147
sec-Butylbenzene	ND	E8	25.0	23.0		ug/L		92	55 - 145
Styrene	ND	E8	25.0	27.4		ug/L		110	21 - 150
tert-Butylbenzene	ND	E8	25.0	24.7		ug/L		99	57 - 143
Tetrachloroethene	6.2		25.0	28.6		ug/L		90	37 - 150
Toluene	ND	E8	25.0	23.3		ug/L		93	56 - 141
trans-1,2-Dichloroethene	ND	E8	25.0	24.9		ug/L		99	69 - 136
trans-1,3-Dichloropropene	ND	E8	25.0	26.4		ug/L		105	57 - 147
Trichloroethene	14		25.0	37.3		ug/L		93	62 - 134
Trichlorofluoromethane	ND	E8	25.0	22.8		ug/L		91	60 - 150
Vinyl acetate	ND	E8	25.0	30.1		ug/L		120	14 - 150
Vinyl chloride	ND	E8	25.0	21.9		ug/L		88	48 - 150
Xylenes, Total	ND	E8	50.0	47.8		ug/L		96	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 550-135610-C-1 MSD
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	E8	25.0	24.7		ug/L		99	67 - 137	5	35
1,1,1-Trichloroethane	ND	E8	25.0	25.7		ug/L		103	64 - 143	2	35
1,1,2,2-Tetrachloroethane	ND	E8	25.0	23.1		ug/L		92	63 - 136	2	35
1,1,2-Trichloroethane	ND	E8	25.0	25.1		ug/L		100	66 - 137	2	35
1,1-Dichloroethane	ND	E8	25.0	25.8		ug/L		103	70 - 137	2	35
1,1-Dichloroethene	1.8	E4	25.0	25.7		ug/L		95	53 - 150	2	35
1,1-Dichloropropene	ND	E8	25.0	21.8		ug/L		87	58 - 141	3	35
1,2,3-Trichlorobenzene	ND	E8	25.0	20.9		ug/L		83	57 - 144	3	35
1,2,3-Trichloropropane	ND	E8	25.0	23.6		ug/L		94	60 - 138	2	35
1,2,4-Trichlorobenzene	ND	E8	25.0	22.0		ug/L		88	58 - 140	2	35
1,2,4-Trimethylbenzene	ND	E8	25.0	23.7		ug/L		95	50 - 147	2	35
1,2-Dibromo-3-Chloropropane	ND	E8	25.0	22.5		ug/L		90	51 - 143	3	35
1,2-Dibromoethane (EDB)	ND	E8	25.0	25.7		ug/L		103	67 - 136	1	35
1,2-Dichlorobenzene	ND	E8	25.0	23.3		ug/L		93	67 - 131	1	35
1,2-Dichloroethane	ND	E8	25.0	24.3		ug/L		97	58 - 146	8	35
1,2-Dichloropropane	ND	E8	25.0	23.5		ug/L		94	66 - 135	4	35
1,3,5-Trimethylbenzene	ND	E8	25.0	24.0		ug/L		96	50 - 147	1	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135610-C-1 MSD
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND	E8	25.0	24.2		ug/L		97	68 - 130	1	35
1,3-Dichloropropane	ND	E8	25.0	24.7		ug/L		99	67 - 134	1	35
1,4-Dichlorobenzene	ND	E8	25.0	24.5		ug/L		98	68 - 128	2	35
2,2-Dichloropropane	ND	E8	25.0	24.5		ug/L		98	54 - 150	2	35
2-Butanone (MEK)	ND	E8	25.0	21.6		ug/L		86	10 - 150	3	35
2-Chlorotoluene	ND	E8	25.0	23.9		ug/L		95	63 - 132	1	35
2-Hexanone	ND	E8	25.0	21.9		ug/L		88	37 - 150	1	35
4-Chlorotoluene	ND	E8	25.0	23.6		ug/L		95	66 - 131	3	35
4-Methyl-2-pentanone (MIBK)	ND	E8	25.0	22.0		ug/L		88	41 - 150	3	35
Acetone	ND	E8	25.0	13.3	E4	ug/L		53	10 - 150	12	35
Benzene	ND	E8	25.0	22.7		ug/L		91	54 - 142	4	35
Bromobenzene	ND	E8	25.0	24.7		ug/L		99	69 - 132	1	35
Bromochloromethane	ND	E8	25.0	25.2		ug/L		101	67 - 145	4	35
Bromodichloromethane	ND	E8	25.0	25.0		ug/L		100	61 - 143	6	35
Bromoform	ND	E8	25.0	26.5		ug/L		106	57 - 142	1	35
Bromomethane	ND	E8	25.0	23.3		ug/L		93	56 - 149	0	35
Carbon disulfide	ND	E8	25.0	27.1		ug/L		108	48 - 150	3	35
Carbon tetrachloride	0.61	E4	25.0	23.9		ug/L		93	60 - 143	2	35
Chlorobenzene	ND	E8	25.0	24.4		ug/L		98	69 - 129	1	35
Chloroethane	ND	E8	25.0	24.2		ug/L		97	60 - 146	0	35
Chloroform	0.54	E4	25.0	26.6		ug/L		104	69 - 138	3	35
Chloromethane	ND	E8	25.0	22.1		ug/L		89	50 - 150	2	35
cis-1,2-Dichloroethene	1.5	E4	25.0	24.4		ug/L		91	65 - 139	8	35
cis-1,3-Dichloropropene	ND	E8	25.0	25.8		ug/L		103	57 - 145	3	35
Chlorodibromomethane	ND	E8	25.0	24.6		ug/L		98	61 - 143	2	35
Dibromomethane	ND	E8	25.0	24.3		ug/L		97	64 - 138	9	35
Dichlorodifluoromethane	ND	E8	25.0	22.9		ug/L		92	21 - 150	4	35
Ethylbenzene	ND	E8	25.0	24.2		ug/L		97	46 - 149	1	35
Hexachlorobutadiene	ND	E8	25.0	22.6		ug/L		90	49 - 146	1	35
Iodomethane	ND	E8	25.0	30.1		ug/L		120	43 - 150	1	35
Isopropylbenzene	ND	E8	25.0	23.8		ug/L		95	56 - 143	1	35
m,p-Xylenes	ND	E8	25.0	23.7		ug/L		95	52 - 144	0	35
Methylene Chloride	ND	E8	25.0	23.7		ug/L		95	66 - 134	3	35
Methyl tert-butyl ether	ND	E8	25.0	23.3		ug/L		93	56 - 148	2	35
Naphthalene	ND	E8	25.0	20.4		ug/L		82	47 - 150	5	35
n-Butylbenzene	ND	E8	25.0	23.6		ug/L		94	54 - 145	2	35
n-Propylbenzene	ND	E8	25.0	24.2		ug/L		97	54 - 144	3	35
o-Xylene	ND	E8	25.0	23.9		ug/L		95	55 - 143	1	35
p-Isopropyltoluene	ND	E8	25.0	23.7		ug/L		95	53 - 147	0	35
sec-Butylbenzene	ND	E8	25.0	23.1		ug/L		92	55 - 145	0	35
Styrene	ND	E8	25.0	27.9		ug/L		111	21 - 150	1	35
tert-Butylbenzene	ND	E8	25.0	24.5		ug/L		98	57 - 143	1	35
Tetrachloroethene	6.2		25.0	29.2		ug/L		92	37 - 150	2	35
Toluene	ND	E8	25.0	23.5		ug/L		94	56 - 141	1	35
trans-1,2-Dichloroethene	ND	E8	25.0	24.5		ug/L		98	69 - 136	1	35
trans-1,3-Dichloropropene	ND	E8	25.0	26.4		ug/L		106	57 - 147	0	35
Trichloroethene	14		25.0	35.6		ug/L		86	62 - 134	5	35
Trichlorofluoromethane	ND	E8	25.0	23.9		ug/L		95	60 - 150	4	35
Vinyl acetate	ND	E8	25.0	29.8		ug/L		119	14 - 150	1	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 550-135610-C-1 MSD
Matrix: Water
Analysis Batch: 199545

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND	E8	25.0	21.9		ug/L		87	48 - 150	0	35
Xylenes, Total	ND	E8	50.0	47.6		ug/L		95	53 - 145	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

QC Association Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

GC/MS VOA

Analysis Batch: 199389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-135578-1	Trip Blank	Total/NA	Water	8260B	
MB 550-199389/5	Method Blank	Total/NA	Water	8260B	
LCS 550-199389/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-199389/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-135526-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-135526-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 199457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-135578-1	Trip Blank	Total/NA	Water	8260B	
550-135578-2	PTG-7A-20200102	Total/NA	Water	8260B	
550-135578-3	AVB66-02-20200102	Total/NA	Water	8260B	
550-135578-4	AVB66-01-20200102	Total/NA	Water	8260B	
550-135578-5	DUP-01-20200102	Total/NA	Water	8260B	
MB 550-199457/6	Method Blank	Total/NA	Water	8260B	
LCS 550-199457/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-199457/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-135578-2 MS	PTG-7A-20200102	Total/NA	Water	8260B	
550-135578-2 MSD	PTG-7A-20200102	Total/NA	Water	8260B	

Analysis Batch: 199545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-135578-2 - DL	PTG-7A-20200102	Total/NA	Water	8260B	
550-135578-3 - DL	AVB66-02-20200102	Total/NA	Water	8260B	
550-135578-4 - DL	AVB66-01-20200102	Total/NA	Water	8260B	
550-135578-5 - DL	DUP-01-20200102	Total/NA	Water	8260B	
MB 550-199545/6	Method Blank	Total/NA	Water	8260B	
LCS 550-199545/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 550-199545/4	Lab Control Sample Dup	Total/NA	Water	8260B	
550-135610-C-1 MS	Matrix Spike	Total/NA	Water	8260B	
550-135610-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Lab Chronicle

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Client Sample ID: Trip Blank — Lab Sample ID: 550-135578-1

Date Collected: 01/02/20 08:00 — **Matrix: Water**
Date Received: 01/04/20 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	199457	01/06/20 16:24	CFF	TAL PHX
Total/NA	Analysis	8260B		1	199389	01/04/20 13:59	TC1	TAL PHX

Client Sample ID: PTG-7A-20200102 — Lab Sample ID: 550-135578-2

Date Collected: 01/02/20 11:15 — **Matrix: Water**
Date Received: 01/04/20 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	199457	01/06/20 16:51	CFF	TAL PHX
Total/NA	Analysis	8260B	DL	10	199545	01/07/20 21:09	R1K	TAL PHX

Client Sample ID: AVB66-02-20200102 — Lab Sample ID: 550-135578-3

Date Collected: 01/02/20 11:30 — **Matrix: Water**
Date Received: 01/04/20 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	199457	01/06/20 18:12	CFF	TAL PHX
Total/NA	Analysis	8260B	DL	10	199545	01/07/20 21:36	R1K	TAL PHX

Client Sample ID: AVB66-01-20200102 — Lab Sample ID: 550-135578-4

Date Collected: 01/02/20 12:00 — **Matrix: Water**
Date Received: 01/04/20 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	199457	01/06/20 18:39	CFF	TAL PHX
Total/NA	Analysis	8260B	DL	10	199545	01/07/20 22:03	R1K	TAL PHX

Client Sample ID: DUP-01-20200102 — Lab Sample ID: 550-135578-5

Date Collected: 01/02/20 09:00 — **Matrix: Water**
Date Received: 01/04/20 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	199457	01/06/20 19:06	CFF	TAL PHX
Total/NA	Analysis	8260B	DL	10	199545	01/07/20 22:30	R1K	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Calibre Systems, Inc.
Project/Site: West Van Buren

Job ID: 550-135578-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PHX
5030C	Purge and Trap	SW846	TAL PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone: 602-437-3340 Fax: 602-454-9303

Chain of Custody Record

~~136~~ 135578

eurofins Environment Testing TestAmerica

Client Information	Sampler: Roy Ashlock	Lab PM: Charlson, Mary	Carrier Tracking No(s):	COC No: 550-50457-15656.19
Client Contact: Mr. Tom McKeon	Phone: 865-407-0357	E-Mail: mary.charlson@testamericainc.com		Page: Page ~~[illegible]~~ 20 1 of 1
Company: Calibre Systems, Inc.				Job #:
Address: 16935 South East 39th Street	Due Date Requested:			
City: Bellevue	TAT Requested (days): standard 14 day			
State, Zip: WA, 98008				
Phone: 425-241-8449(Tel)	PO #: Purchase Order not required			
Email: tom.mckeon@calibresys.com	WO #:			
Project Name: West Van Buren	Project #: 55013171			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260_AZ - 8260 Standard list	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Trip Blank	01/02/20	0800	grab	Water			1		~01
PTG-7A-20200102	01/02/20	1115		Water			3		~02
AVB66-02-20200102	01/02/20	1130		Water			3		~03
AVB66-01-20200102	01/02/20	1200		Water			3		~04
DUP-01-20200102	01/02/20	0900		Water			3		~05
				Water					
				Water					
				Water					
				Water					
				Water					

550-135578 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	1/4/2020 1022	calibre	[signature]		
			[signature]	1-4-20 1022	DPM

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: (1.9°) CO

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Calibre Systems, Inc.

Job Number: 550-135578-1

Login Number: 135578
List Number: 1
Creator: Doerr, Bret C

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.