Environmental Consultants
and Contractors

3922 Coconut Palm Drive
Suite 102
Tampa, FL 33619

813 621-0080
FAX 813 623-6757
www.scsengineers.com

SCS ENGINEERS

November 3, 2017
File No. 09207039.10

Mr. Steven Amirault
Florida Department of Environmental Protection
Solid Waste Program
3319 Maguire Blvd., Suite 232
Orlando, FL 32803

Subject: Initial Groundwater Sampling Results at MW-9A, MW-9B, MW-11A, MW-11B, MW-14A, MW-14B, MW-15A, and MW-15B, Vista landfill, Orange County, FDEP ID No. 0165969-030-SO

Dear Mr. Amirault:

SCS Engineers (SCS) was retained by Vista Landfill, Inc., (VLI) to report the analytical results of the initial monitoring event for two new detection groundwater monitoring wells (Monitoring Wells MW-11A and MW-11B) and six compliance groundwater monitoring wells (MW-9A, MW-9B,MW-14A, MW-14B, MW-15A, and MW-15B) (Monitoring well MW-14B was previously installed) located near Phase II of the Vista Landfill (VLF). Monitoring Wells MW-9A, MW-9B, MW-11A, MW-11B, MW-14A, MW-14B, MW-15A, and MW-15B were installed and sampled prior to the placement of waste in the new cells. The monitoring wells were constructed in accordance with the Florida Department Environmental Protection (FDEP) Permit Number 0165969-030-SO and the approved Water Quality Monitoring Plan. Details of the monitoring well installation were provided in correspondence from Grove Scientific & Engineering to the FDEP dated September 21, 2017, "Subject: 9A/B, 11A/B, 14A, 15A/B Well Completion Report."

This correspondence provides written documentation of the Initial Groundwater Sampling Results at MW-9A, MW-9B, MW-11A, MW-11B, MW-14A, MW-14B, MW-15A, and MW-15B.The analytical results for the initial groundwater sample collection are provided below along with a discussion of the results.

INITIAL WATER QUALITY MONITORING

Pro-Tech Environmental (Pro-Tech) mobilized to the site on September 14, 2017 to sample the new groundwater monitoring wells. Due to a lost cooler during shipping, Pro-Tech remobilized to the site on September 25, 2017 to recollect the samples that were lost in the shipment. The new groundwater monitoring wells were sampled and analyzed, prior to placement of waste in Phase II, for field and laboratory parameters as described in Rules 62-701.510(7)(a) and (c), FAC (in accordance with Rule 62-701.510(5)(b)2, FAC), and presented in Table 1.

Table 1. Vista Landfill,
Initial Groundwater Monitoring Parameters

Field Parameters	Laboratory Parameters
Static Water Levels (before purging)	Total Ammonia - N
Specific Conductivity	Chlorides
pH	Iron
Dissolved Oxygen	Mercury
Turbidity	Nitrate
Temperature	Sodium
Colors, Sheens (by observation)	Total Dissolved Solids (TDS)
	Those parameters listed in 40 CFR 258, Appendix I and Appendix II*

Notes: * = 40 C.F.R. 258, Appendices I and II; October, 1991

Water quality sampling and physical readings and measurements were performed by the technical staff of Pro-Tech. Water quality analyses were performed by TestAmerica Laboratories, Inc. (TestAmerica-Denver), Denver, Colorado. Field work, sampling methodologies, data evaluation, and data Quality Assurance/Quality Control (QA/QC) were conducted in accordance with Florida Administrative Code (FAC) Chapter 62-160 Standard Operating Procedures (DEP-SOP-001/01), the VLF Water Quality Monitoring Plan, the VLF site permit (Permit No. 0165969-030-SO), and the Pro-Tech sample team quality manual. Laboratory analyses were performed in accordance with Chapter 62-160, FAC, DEP-SOP-001/01, the VLF Water Quality Monitoring Plan, and the site permits. TestAmerica-Denver is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP).

The summary of detected results and exceedances of applicable standards are provided in Attachment B (see Table A-1, Attachment A) and are discussed below. Attachment B includes the laboratory analytical data and field forms.

Iron

The secondary drinking water standard (SDWS) of 300 ug/L for iron was exceeded in newly installed monitoring wells MW-11A (330 ug/L) and MW-15B (510 ug/L). No exceedances of iron occurred at the other newly installed monitoring wells. The exceedances at MW-11A MW-15B, are not due to the landfill as these samples were collected prior to placement of waste.

Nitrate

The FDEP PDWS of 10 milligrams per liter (mg/L) for nitrate was exceeded at monitoring well MW-11A (13 mg/L). These results were consistent with recent nitrate values obtained from background monitoring wells located on-site.

No exceedances of nitrate occurred at other monitoring wells. The exceedances at MW-11A, is not due to the landfill. Nitrate exceedances may be related to Rapid Infiltration Basin (RIB) facilities, which have been previously documented as potential sources for nitrates.[1]

pH

The pH measurements for Monitoring wells MW-14A and MW-15A were below the FDEP Secondary Drinking Water Standard (SDWS) range of 6.5 to 8.5 units. Low groundwater pH in this region is the result of low pH in precipitation, rapid recharge, and little buffering capacity of the surficial sands. The pH levels observed at VLF are characteristic of the ground water in this region of Florida.

Dissolved Oxygen

Dissolved oxygen values (calculated from field measurements) were above the VLF MPIS limit of not greater than 20 percent oxygen saturation at monitoring wells MW-9A (23.76%), MW-11A (33.26%), MW-14A (25.42 %), MW-15A (38.22 %), and MW-15B (28.35 %).

The monitoring wells were purged and sampled with an electric submersible pump at low flow rates as indicated by their relative gpm pumping rates as follows: MW-9A (0.20 gpm), MW-11A (0.20 gpm), MW-14A (0.21 gpm), MW-15A (0.25 gpm), and MW-15B (0.22 gpm). During the stabilization readings the dissolved oxygen concentrations remained relatively steady. These measurements were collected using low flow techniques and are considered to be a natural characteristic of the aquifer system at these wells.

Volatile Organic Compound Detections

There were low level volatile organic compound (VOC) detections. Acetone was detected at estimated concentrations at monitoring wells MW-9A (5.9 **I** μg/L), MW-9B (5.6 **I** μg/L), MW-11A (3.2 **I** μg/L)**,** and MW-14B (2.3 **I** μg/L). Carbon disulfide was detected at estimated concentrations at monitoring well MW-11B (0.99 **I** μg/L). Chloroform was detected at estimated concentrations at monitoring well MW-15A (0.21 **I** μg/L). The "**I**" qualifier indicates that the reported values are between the laboratory method detection limit and the laboratory practical quantitation limit.

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[1] Special Publication SJ2006-SP3, *Estimates Of Upper Floridan Aquifer Recharge Augmentation Based On Hydraulic And Water-Quality Data (1986-2002) From The Water Conserv II RIB Systems, Orange County, Florida* (http://sjr.state.fl.us/programs/outreach/pubs/techpubs/pdfs/SP/SJ2006-SP3.pdf)

The results of the initial sampling event are being submitted in accordance with the current permit. If you have any questions or comments regarding this correspondence please contact us at (813) 804-6716.

Very Truly Yours,

Kayla Ouellette
Project Professional

KENNETH GUILBEAULT
LICENSE
No. 2907
STATE OF FLORIDA
PROFESSIONAL GEOLOGIST

11/3/17

Ken E. Guilbeault, P.G.
Project Director
SCS ENGINEERS

KJO/KEG: keg
Attachments

cc: Richard W. Earp, City of Apopka
R. Jay Davoll, City of Apopka

ATTACHMENT A

GROUNDWATER QUALITY
DETECTIONS AND EXCEEDANCES

Table A-1. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
Vista Landfill, September 2017

Parameter	**Standard**	**MCL**	**Units**	MW-9A	MW-9B	MW-11A	MW-11B		MW-14A		MW-14B	MW-15A		MW-15B	
				9/14/2017	**9/14/2017**	**9/14/2017**	**9/14/2017**	**9/25/2017**	**9/14/2017**	**9/25/2017**	**9/14/2017**	**9/14/2017**	**9/25/2017**	**9/14/2017**	**9/25/2017**
Volatile Organic Compounds															
Acetone	GCTL	6300	ug/L	5.9 **I**	5.6 **I**	3.2 **I**	---	1.9 **U**	---	1.9 **U**	2.3 **I**	---	1.9 **U**	---	1.9 **U**
Carbon disulfide	GCTL	700	ug/L	0.45 **U**	0.45 **U**	0.45 **U**	---	0.99 **I**	---	0.45 **U**	0.45 **U**	---	0.45 **U**	---	0.45 **U**
Chloroform	GCTL	70	ug/L	0.16 **U**	0.16 **U**	0.16 **U**	---	0.16 **U**	---	0.16 **U**	0.16 **U**	---	0.21 **I**	---	0.16 **U**
Metals															
Antimony	PDWS	6	ug/L	0.4 **U**	0.4 **U**	0.4 **U**	0.67 **I**	---	0.4 **U**	---	0.4 **U**	---	0.4 **U**	0.4 **U**	---
Arsenic	PDWS	10	ug/L	0.4 **I**	1.7 **I**	0.69 **I**	8.9	---	1 **I**	---	0.33 **U**	---	0.33 **U**	0.33 **U**	---
Barium	PDWS	2000	ug/L	6 **I**	16	18	10	---	14	---	270	---	5.8 **IV**	22	---
Cadmium	PDWS	5	ug/L	0.45 **U**	0.45 **U**	0.45 **U**	0.5 **I**	---	0.45 **U**	---	0.45 **U**	---	0.45 **U**	0.45 **U**	---
Chromium	PDWS	100	ug/L	3.5 **I**	1 **I**	3.7 **I**	0.66 **U**	---	1 **I**	---	5 **I**	---	1.7 **I**	3.9 **I**	---
Cobalt	GCTL	140	ug/L	1.2 **U**	1.2 **U**	1.2 **U**	1.2 **U**	---	1.2 **U**	---	2.3 **I**	---	1.2 **U**	1.2 **U**	---
Copper	SDWS	1000	ug/L	6.3 **IV**	6.5 **IV**	7 **IV**	8.1 **IV**	---	5.2 **IV**	---	6.8 **IV**	---	4.2 **U**	6.8 **IV**	---
Iron	SDWS	300	ug/L	130	190	330	95 **I**	---	130	---	45 **I**	---	160	510	---
Sodium	PDWS	160	mg/L	4.3	15	8.6	14	---	5	---	6.7	---	4.8	3.1	---
Thallium	PDWS	2	ug/L	0.05 **U**	0.089 **I**	0.41 **I**	0.1 **I**	---	0.091 **I**	---	0.087 **I**	---	0.05 **U**	0.064 **I**	---
Vanadium	GCTL	49	ug/L	1.8 **I**	1.1 **U**	2.8 **I**	1.5 **I**	---	1.2 **I**	---	1.1 **U**	---	1.1 **U**	2.4 **I**	---
General Chemistry															
Ammonia as N	GCTL	2.8	mg/L	0.033 **I**	0.086 **I**	0.028 **I**	0.1	---	0.022 **U**	---	0.022 **U**	0.022 **U**	---	0.022 **U**	---
Chloride	SDWS	250	mg/L	6.4	26	10	17	---	7.2	---	5.9	---	5.1	3.5	---
Nitrate (as N)	PDWS	10	mg/L	0.7	0.042 **U**	13	0.042 **U**	---	---	1.8	0.45 **I**	---	1.4	3.9	---
Total Dissolved Solids	SDWS	500	mg/L	110	260	230	260	---	100	---	80	---	24	87	---
Field Parameters															
Conductivity	NS	NS	umhos/cm	148	410	390	438	393	132	80	175	59	50	117	87
Dissolved Oxygen	NS	NS	mg/L	2	0.1	2.8	0.2	0.2	2.1	2	0.2	3.1	2.9	2.3	2.1
Dissolved Oxygen	MPIS	20	% Sat.	23.76	1.19	33.26	2.42	2.42	25.42	24.21	2.38	38.22	35.75	28.35	25.89
Field pH	SDWS	6.5-8.5	SU	7.4	7.37	7.62	7.58	7.41	6.23	6.09	7.7	6.49	6.25	6.81	6.83
Field Temperature	NS	NS	Degrees C	24.4	23.7	24.3	24.7	24.8	25.3	25.3	24.2	25.6	26.3	26.2	26.3
Turbidity	NS	NS	NTU	2.51	4.33	15.98	7.99	4.71	9.69	8.22	2.78	4.33	5.23	9.17	3.11

NOTES:
1. PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
2. SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
3. GCTL = Groundwater Clean-up Target Level (62-777 F.A.C.)
4. MPIS = Monitoring Plan Implementation Schedule
5. NS = No numeric standard has been set for this analyte.
6. mg/L = milligrams per liter
7. ug/L= micrograms per liter
8. NTU = nephelometric turbidity units
9. Yellow shaded values indicate parameter concentrations exceeded respective PDWS, SDWS, or GCTL.
10. Degrees C = Degrees Celcius
11. umhos/cm = micromhos per centimeter
12. --- = No data
13. **U** = Analyte concentration was below the laboratory detection limit (value shown).
14. **I** = Analyte concentration was between the laboratory detection limit and laboratory practical.
15. **V** = Analyte was detected in the sample and an associated method blank.
16. % Sat = Percent saturation
17. Percent saturation of dissolved oxygen calculated from http://www.fivecreeks.org/monitor/do.html.

ATTACHMENT B

LABORATORY ANALYTICAL RESULTS AND FIELD FORMS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-101239-1
Client Project/Site: FL26|Vista
Sampling Event: New Well Background

For:
Waste Management
14415 CR 39
Duette, Florida 34219

Attn: Elizabeth Foeller

Danielle Harrington

Authorized for release by:
10/5/2017 12:50:33 PM

Danielle Harrington, Project Manager II
(303)736-0176
danielle.harrington@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 280-101239-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Waste Management

Project: FL26|Vista

Report Number: 280-101239-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

This submission may contain field data obtained by the sampler. The methods referenced in this submission for the field data results may not be the methods used to obtain the field data by the sampler.

RECEIPT

The samples were received on 09/15/2017 at 4.9C, 0.4C, 3.7C, 1.9C, 4.7C, 1.3C, 3.0C, 2.2C, and 9.4C. The missing cooler containing remaining bottles for sample MW-14A was received on 09/16/2017 at 4.7C. The missing cooler containing remaining bottles for sample MW-15A was received by TA Nashville via the FedEX overgoods on 09/18/2017 at 7.7C.

Please note, the client was notified of missing cooler issue on 09/15/2017. Due to a FedEx delay MW-14A was received on 09/16/2017. The missing cooler for MW-15A had the Fedex label missing and replaced by FedEx and sent to the nearest location from FedEx's Memphis hub.

Please note: for the sample cooler that arrived on 09/15/2017 at 9.4C contained the VOA vials for MW-15A, MW-15B, MW-11B, and MW-14A. Per client - samples will be resampled for the VOA vials only for Method 8260 and Method 8011.

Please note, for samples received on 09/15/2017 one of eight 1 liter amber unpreserved for sample FB was received broken. Sufficient volume remains for analysis. Sample MW-15A and sample MW-14A only had VOA Vials for Method 8260B, Method 8011, Ammonia amber glass preserved with sulfuric acid, and Total Sulfide preserved poly received. Samples MW-15A and MW-14A are being resampled for Method 8260B and Method 8011. Ammonia andTotal Sulfide analyses are okay and will be performed.

Sample MW-14A was received on 09/16/2017 rapidly expiring for Nitrate analysis and was performed unfortunately outside of holding time. Per client, sample will be resampled for the Nitrate analysis only. All other bottles were received within good condition and in temp. Thereby, methods 8081, 8082, 8151, 8270, Total Cyanide, Metals, TDS, and chloride will all be performed.

Sample MW-15A missing bottles were received outside of temperature. Per client, sample will be resampled for 8081A, 8082, 8270C, 8151, Total Cyanide, metals, TDS, IC chloride and IC sulfate. As well as Method 8260B and Method 8011 per the sample out of temp receipt on 09/15/2017. Ammonia and Total Sulfide bottles for MW-15A were within temp and will proceed with analysis.

All other sample bottles were received in acceptable condition.

HOLDING TIMES

All Holding Times were met.

Job ID: 280-101239-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

METHOD BLANKS
Surrogate 1,2-Dibromopropane for method 8011 was recovered above the QC limits in the Method Blank. This is an indicator that data may be biased high. As the Method Blank does not contain any detectable concentrations for constituents associated with this surrogate, corrective action is deemed unnecessary.

Low levels of Sodium and Copper are present in the method blank associated with QC batch 280-388246. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary.

All other Method Blanks were within the acceptance limits.

LABORATORY CONTROL SAMPLES (LCS)
The LCS exhibited percent recoveries outside the QC limits for Hexachlorocyclopentadiene. A full analyte spike was performed. The constituents listed below are not standard control analytes. Hexachlorocyclopentadiene have a history of reacting inconsistently; therefore, corrective action is deemed unnecessary.

The LCS exhibited percent recoveries outside the QC limits for p-Phenylene diamine and/or ,3'-Dimethylbenzidine. A full analyte spike was performed. The constituents listed below are not standard control analytes. AP9 compounds are controlled with advisory LCS limits; therefore, corrective action is deemed unnecessary.

All other Laboratory Control Samples were within the acceptance limits.

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATES (MSD)
The method 8011, 8270C, 8151, 8081A, and 8082 required MS/MSD could not be performed, due to insufficient sample volume submitted. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

ORGANICS
Continuing Calibration Verification (CCV) standards associated with samples in batch 280- 389081 exhibited %D values out of range, biased high, for Methyl Methacrylate. This is an indicator that data may be biased high. As no detectable concentrations of Methyl Methacrylate are present in the associated samples, corrective action is deemed unnecessary.

Continuing Calibration Verification (CCV) standards associated with samples in batch 280- 389172 exhibited %D values out of range, biased high, for 1,2-Dibromo-3-Chloropropane, and Ethylene Dibromide. This is an indicator that data may be biased high. As no detectable concentrations of 1,2-Dibromo-3-Chloropropane, and Ethylene Dibromide are present in the associated samples, corrective action is deemed unnecessary.

Continuing Calibration Verification (CCV) standards associated with samples in batch 280- 389172 exhibited %D values out of range, biased high, for 2,4-Dichlorophenylacetic acid , 2,4-D +35%. Silvex (2,4,5-TP), and 2,4,5-T. This is an indicator that data may be biased high. As no detectable concentrations of 2,4-Dichlorophenylacetic acid , 2,4-D +35%. Silvex (2,4,5-TP), and 2,4,5-T are present in the associated samples, corrective action is deemed unnecessary.

All of the samples underwent the sulfuric acid cleanups in order to reduce matrix interferences for Method 8082.

The prep notated that samples MW-9B, MW-11A, MW-11B, and MW-15B formed emulsions during the prep phase for Method 8151A.

Detection Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-9A — Lab Sample ID: 280-101239-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.40				SU	1		Field Sampling	Total/NA
Field Conductivity	148				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	24.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	2.51				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.0				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	I	20	1.9	ug/L	1		8260B	Total/NA
Barium	6.0	I	10	0.82	ug/L	1		6010B	Total Recoverable
Chromium	3.5	I	10	0.66	ug/L	1		6010B	Total Recoverable
Copper	6.3	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	130		100	22	ug/L	1		6010B	Total Recoverable
Vanadium	1.8	I	10	1.1	ug/L	1		6010B	Total Recoverable
Sodium	4.3		1.0	0.12	mg/L	1		6010B	Total Recoverable
Arsenic	0.40	I	5.0	0.33	ug/L	1		6020	Total Recoverable
Chloride	6.4		3.0	0.25	mg/L	1		300.0	Total/NA
Nitrate as N	0.70		0.50	0.042	mg/L	1		300.0	Total/NA
Ammonia as N	0.033	I	0.10	0.022	mg/L	1		350.1	Total/NA
Total Dissolved Solids	110		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9B — Lab Sample ID: 280-101239-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.37				SU	1		Field Sampling	Total/NA
Field Conductivity	410				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	23.7				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	4.33				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	0.1				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	I	20	1.9	ug/L	1		8260B	Total/NA
Barium	16		10	0.82	ug/L	1		6010B	Total Recoverable
Chromium	1.0	I	10	0.66	ug/L	1		6010B	Total Recoverable
Copper	6.5	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	190		100	22	ug/L	1		6010B	Total Recoverable
Sodium	15		1.0	0.12	mg/L	1		6010B	Total Recoverable
Arsenic	1.7	I	5.0	0.33	ug/L	1		6020	Total Recoverable
Thallium	0.089	I	1.0	0.050	ug/L	1		6020	Total Recoverable
Chloride	26		3.0	0.25	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-9B (Continued) — Lab Sample ID: 280-101239-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia as N	0.086	I	0.10	0.022	mg/L	1		350.1	Total/NA
Total Dissolved Solids	260		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11A — Lab Sample ID: 280-101239-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.62				SU	1		Field Sampling	Total/NA
Field Conductivity	390				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	24.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	15.98				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.8				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	I	20	1.9	ug/L	1		8260B	Total/NA
Barium	18		10	0.82	ug/L	1		6010B	Total Recoverable
Chromium	3.7	I	10	0.66	ug/L	1		6010B	Total Recoverable
Copper	7.0	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	330		100	22	ug/L	1		6010B	Total Recoverable
Vanadium	2.8	I	10	1.1	ug/L	1		6010B	Total Recoverable
Sodium	8.6		1.0	0.12	mg/L	1		6010B	Total Recoverable
Arsenic	0.69	I	5.0	0.33	ug/L	1		6020	Total Recoverable
Thallium	0.41	I	1.0	0.050	ug/L	1		6020	Total Recoverable
Chloride	10		3.0	0.25	mg/L	1		300.0	Total/NA
Nitrate as N	13		1.0	0.084	mg/L	2		300.0	Total/NA
Ammonia as N	0.028	I	0.10	0.022	mg/L	1		350.1	Total/NA
Total Dissolved Solids	230		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11B — Lab Sample ID: 280-101239-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.58				SU	1		Field Sampling	Total/NA
Field Conductivity	438				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	24.7				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	7.99				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	0.2				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	10		10	0.82	ug/L	1		6010B	Total Recoverable
Cadmium	0.50	I	5.0	0.45	ug/L	1		6010B	Total Recoverable
Copper	8.1	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	95	I	100	22	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11B (Continued) — Lab Sample ID: 280-101239-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	1.5	I	10	1.1	ug/L	1		6010B	Total Recoverable
Sodium	14		1.0	0.12	mg/L	1		6010B	Total Recoverable
Antimony	0.67	I	2.0	0.40	ug/L	1		6020	Total Recoverable
Arsenic	8.9		5.0	0.33	ug/L	1		6020	Total Recoverable
Thallium	0.10	I	1.0	0.050	ug/L	1		6020	Total Recoverable
Chloride	17		3.0	0.25	mg/L	1		300.0	Total/NA
Ammonia as N	0.10		0.10	0.022	mg/L	1		350.1	Total/NA
Total Dissolved Solids	260		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14A — Lab Sample ID: 280-101239-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.23				SU	1		Field Sampling	Total/NA
Field Conductivity	132				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	25.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	9.69				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.1				mg/L	1		Field Sampling	Total/NA
Field Color	Very Lt. Tan				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	14		10	0.82	ug/L	1		6010B	Total Recoverable
Chromium	1.0	I	10	0.66	ug/L	1		6010B	Total Recoverable
Copper	5.2	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	130		100	22	ug/L	1		6010B	Total Recoverable
Vanadium	1.2	I	10	1.1	ug/L	1		6010B	Total Recoverable
Sodium	5.0		1.0	0.12	mg/L	1		6010B	Total Recoverable
Arsenic	1.0	I	5.0	0.33	ug/L	1		6020	Total Recoverable
Thallium	0.091	I	1.0	0.050	ug/L	1		6020	Total Recoverable
Chloride	7.2		3.0	0.25	mg/L	1		300.0	Total/NA
Total Dissolved Solids	100		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14B — Lab Sample ID: 280-101239-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.70				SU	1		Field Sampling	Total/NA
Field Conductivity	175				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	24.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	2.78				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	0.2				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-14B (Continued) — Lab Sample ID: 280-101239-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	I	20	1.9	ug/L	1		8260B	Total/NA
Barium	270		10	0.82	ug/L	1		6010B	Total Recoverable
Cobalt	2.3	I	10	1.2	ug/L	1		6010B	Total Recoverable
Chromium	5.0	I	10	0.66	ug/L	1		6010B	Total Recoverable
Copper	6.8	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	45	I	100	22	ug/L	1		6010B	Total Recoverable
Sodium	6.7		1.0	0.12	mg/L	1		6010B	Total Recoverable
Thallium	0.087	I	1.0	0.050	ug/L	1		6020	Total Recoverable
Chloride	5.9		3.0	0.25	mg/L	1		300.0	Total/NA
Nitrate as N	0.45	I	0.50	0.042	mg/L	1		300.0	Total/NA
Total Dissolved Solids	80		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-15A — Lab Sample ID: 280-101239-7

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.49				SU	1		Field Sampling	Total/NA
Field Conductivity	59				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	25.6				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	4.33				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	3.1				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Client Sample ID: MW-15B — Lab Sample ID: 280-101239-8

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.81				SU	1		Field Sampling	Total/NA
Field Conductivity	117				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	26.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	9.17				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.3				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	22		10	0.82	ug/L	1		6010B	Total Recoverable
Chromium	3.9	I	10	0.66	ug/L	1		6010B	Total Recoverable
Copper	6.8	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Iron	510		100	22	ug/L	1		6010B	Total Recoverable
Vanadium	2.4	I	10	1.1	ug/L	1		6010B	Total Recoverable
Sodium	3.1		1.0	0.12	mg/L	1		6010B	Total Recoverable
Thallium	0.064	I	1.0	0.050	ug/L	1		6020	Total Recoverable
Chloride	3.5		3.0	0.25	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-15B (Continued) — Lab Sample ID: 280-101239-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	3.9		0.50	0.042	mg/L	1		300.0	Total/NA
Total Dissolved Solids	87		10	4.7	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Field Blank — Lab Sample ID: 280-101239-9

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.81				SU	1		Field Sampling	Total/NA
Field Conductivity	7				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	25.7				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	0.00				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	0.6				mg/L	1		Field Sampling	Total/NA
Field Color	None				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetophenone	0.66	I	9.6	0.23	ug/L	1		8270C	Total/NA
Dimethyl phthalate	0.29	I	3.8	0.20	ug/L	1		8270C	Total/NA
Copper	5.6	I V	15	4.2	ug/L	1		6010B	Total Recoverable
Sodium	0.12	I V	1.0	0.12	mg/L	1		6010B	Total Recoverable
Ammonia as N	0.022	I	0.10	0.022	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL DEN
8081A	Organochlorine Pesticides (GC)	SW846	TAL DEN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6010B	Metals (ICP)	SW846	TAL DEN
6020	Metals (ICP/MS)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
300.0	Anions, Ion Chromatography	MCAWW	TAL DEN
335.4	Cyanide, Total	MCAWW	TAL DEN
350.1	Nitrogen, Ammonia	MCAWW	TAL DEN
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL DEN
Field Sampling	Field Sampling	EPA	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-101239-1	MW-9A	Water	09/14/17 08:30	09/15/17 10:00
280-101239-2	MW-9B	Water	09/14/17 07:20	09/15/17 10:00
280-101239-3	MW-11A	Water	09/14/17 10:40	09/15/17 10:00
280-101239-4	MW-11B	Water	09/14/17 09:35	09/15/17 10:00
280-101239-5	MW-14A	Water	09/14/17 08:39	09/15/17 10:00
280-101239-6	MW-14B	Water	09/14/17 07:52	09/15/17 10:00
280-101239-7	MW-15A	Water	09/14/17 11:24	09/15/17 10:00
280-101239-8	MW-15B	Water	09/14/17 10:22	09/15/17 10:00
280-101239-9	Field Blank	Water	09/14/17 12:30	09/15/17 10:00

Client Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

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

Client Sample ID: MW-9A
Date Collected: 09/14/17 08:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 12:22	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 12:22	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			09/27/17 12:22	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			09/27/17 12:22	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			09/27/17 12:22	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/27/17 12:22	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			09/27/17 12:22	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			09/27/17 12:22	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			09/27/17 12:22	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 12:22	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			09/27/17 12:22	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			09/27/17 12:22	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 12:22	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			09/27/17 12:22	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			09/27/17 12:22	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			09/27/17 12:22	1
Acetone	**5.9**	**I**	20	1.9	ug/L			09/27/17 12:22	1
Acetonitrile	9.6	U	30	9.6	ug/L			09/27/17 12:22	1
Acrolein	2.8	U	20	2.8	ug/L			09/27/17 12:22	1
Acrylonitrile	1.4	U	20	1.4	ug/L			09/27/17 12:22	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			09/27/17 12:22	1
Benzene	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			09/27/17 12:22	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 12:22	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/27/17 12:22	1
Bromomethane	0.21	U	2.0	0.21	ug/L			09/27/17 12:22	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			09/27/17 12:22	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			09/27/17 12:22	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			09/27/17 12:22	1
Chloroethane	0.41	U	2.0	0.41	ug/L			09/27/17 12:22	1
Chloroform	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
Chloromethane	0.30	U	2.0	0.30	ug/L			09/27/17 12:22	1
Chloroprene	0.21	U	1.0	0.21	ug/L			09/27/17 12:22	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 12:22	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 12:22	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			09/27/17 12:22	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			09/27/17 12:22	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			09/27/17 12:22	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
Iodomethane	0.23	U	1.0	0.23	ug/L			09/27/17 12:22	1
Isobutyl alcohol	37	U	110	37	ug/L			09/27/17 12:22	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			09/27/17 12:22	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			09/27/17 12:22	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			09/27/17 12:22	1
Propionitrile	3.7	U	20	3.7	ug/L			09/27/17 12:22	1
Styrene	0.17	U	1.0	0.17	ug/L			09/27/17 12:22	1

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

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			09/27/17 12:22	1
Toluene	0.17	U	1.0	0.17	ug/L			09/27/17 12:22	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 12:22	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			09/27/17 12:22	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			09/27/17 12:22	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			09/27/17 12:22	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			09/27/17 12:22	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			09/27/17 12:22	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			09/27/17 12:22	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			09/27/17 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 127*		*09/27/17 12:22*	*1*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*		*09/27/17 12:22*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 120*		*09/27/17 12:22*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*09/27/17 12:22*	*1*

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 12:43	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 12:43	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			09/27/17 12:43	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			09/27/17 12:43	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			09/27/17 12:43	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/27/17 12:43	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			09/27/17 12:43	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			09/27/17 12:43	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			09/27/17 12:43	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 12:43	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			09/27/17 12:43	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			09/27/17 12:43	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 12:43	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			09/27/17 12:43	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			09/27/17 12:43	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			09/27/17 12:43	1
Acetone	**5.6**	**I**	20	1.9	ug/L			09/27/17 12:43	1
Acetonitrile	9.6	U	30	9.6	ug/L			09/27/17 12:43	1
Acrolein	2.8	U	20	2.8	ug/L			09/27/17 12:43	1
Acrylonitrile	1.4	U	20	1.4	ug/L			09/27/17 12:43	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			09/27/17 12:43	1
Benzene	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			09/27/17 12:43	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 12:43	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/27/17 12:43	1
Bromomethane	0.21	U	2.0	0.21	ug/L			09/27/17 12:43	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			09/27/17 12:43	1

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

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			09/27/17 12:43	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			09/27/17 12:43	1
Chloroethane	0.41	U	2.0	0.41	ug/L			09/27/17 12:43	1
Chloroform	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
Chloromethane	0.30	U	2.0	0.30	ug/L			09/27/17 12:43	1
Chloroprene	0.21	U	1.0	0.21	ug/L			09/27/17 12:43	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 12:43	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 12:43	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			09/27/17 12:43	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			09/27/17 12:43	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			09/27/17 12:43	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
Iodomethane	0.23	U	1.0	0.23	ug/L			09/27/17 12:43	1
Isobutyl alcohol	37	U	110	37	ug/L			09/27/17 12:43	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			09/27/17 12:43	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			09/27/17 12:43	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			09/27/17 12:43	1
Propionitrile	3.7	U	20	3.7	ug/L			09/27/17 12:43	1
Styrene	0.17	U	1.0	0.17	ug/L			09/27/17 12:43	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			09/27/17 12:43	1
Toluene	0.17	U	1.0	0.17	ug/L			09/27/17 12:43	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 12:43	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			09/27/17 12:43	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			09/27/17 12:43	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			09/27/17 12:43	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			09/27/17 12:43	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			09/27/17 12:43	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			09/27/17 12:43	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			09/27/17 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 127*		*09/27/17 12:43*	*1*
4-Bromofluorobenzene (Surr)	*104*		*78 - 120*		*09/27/17 12:43*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 120*		*09/27/17 12:43*	*1*
Toluene-d8 (Surr)	*105*		*80 - 125*		*09/27/17 12:43*	*1*

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 13:45	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 13:45	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			09/27/17 13:45	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			09/27/17 13:45	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			09/27/17 13:45	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/27/17 13:45	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			09/27/17 13:45	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			09/27/17 13:45	1

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

Client Sample ID: MW-11A
Date Collected: 09/14/17 10:40
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			09/27/17 13:45	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 13:45	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			09/27/17 13:45	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			09/27/17 13:45	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 13:45	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			09/27/17 13:45	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			09/27/17 13:45	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			09/27/17 13:45	1
Acetone	**3.2**	**I**	20	1.9	ug/L			09/27/17 13:45	1
Acetonitrile	9.6	U	30	9.6	ug/L			09/27/17 13:45	1
Acrolein	2.8	U	20	2.8	ug/L			09/27/17 13:45	1
Acrylonitrile	1.4	U	20	1.4	ug/L			09/27/17 13:45	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			09/27/17 13:45	1
Benzene	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			09/27/17 13:45	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 13:45	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/27/17 13:45	1
Bromomethane	0.21	U	2.0	0.21	ug/L			09/27/17 13:45	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			09/27/17 13:45	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			09/27/17 13:45	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			09/27/17 13:45	1
Chloroethane	0.41	U	2.0	0.41	ug/L			09/27/17 13:45	1
Chloroform	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
Chloromethane	0.30	U	2.0	0.30	ug/L			09/27/17 13:45	1
Chloroprene	0.21	U	1.0	0.21	ug/L			09/27/17 13:45	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 13:45	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 13:45	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			09/27/17 13:45	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			09/27/17 13:45	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			09/27/17 13:45	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
Iodomethane	0.23	U	1.0	0.23	ug/L			09/27/17 13:45	1
Isobutyl alcohol	37	U	110	37	ug/L			09/27/17 13:45	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			09/27/17 13:45	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			09/27/17 13:45	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			09/27/17 13:45	1
Propionitrile	3.7	U	20	3.7	ug/L			09/27/17 13:45	1
Styrene	0.17	U	1.0	0.17	ug/L			09/27/17 13:45	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			09/27/17 13:45	1
Toluene	0.17	U	1.0	0.17	ug/L			09/27/17 13:45	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 13:45	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			09/27/17 13:45	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			09/27/17 13:45	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			09/27/17 13:45	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			09/27/17 13:45	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			09/27/17 13:45	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			09/27/17 13:45	1

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

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes (total)	0.19	U	2.0	0.19	ug/L			09/27/17 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 127*		*09/27/17 13:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*		*09/27/17 13:45*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 120*		*09/27/17 13:45*	*1*
Toluene-d8 (Surr)	*101*		*80 - 125*		*09/27/17 13:45*	*1*

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 14:06	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 14:06	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			09/27/17 14:06	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			09/27/17 14:06	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			09/27/17 14:06	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/27/17 14:06	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			09/27/17 14:06	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			09/27/17 14:06	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			09/27/17 14:06	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 14:06	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			09/27/17 14:06	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			09/27/17 14:06	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 14:06	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			09/27/17 14:06	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			09/27/17 14:06	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			09/27/17 14:06	1
Acetone	**2.3**	**I**	20	1.9	ug/L			09/27/17 14:06	1
Acetonitrile	9.6	U	30	9.6	ug/L			09/27/17 14:06	1
Acrolein	2.8	U	20	2.8	ug/L			09/27/17 14:06	1
Acrylonitrile	1.4	U	20	1.4	ug/L			09/27/17 14:06	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			09/27/17 14:06	1
Benzene	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			09/27/17 14:06	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 14:06	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/27/17 14:06	1
Bromomethane	0.21	U	2.0	0.21	ug/L			09/27/17 14:06	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			09/27/17 14:06	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			09/27/17 14:06	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			09/27/17 14:06	1
Chloroethane	0.41	U	2.0	0.41	ug/L			09/27/17 14:06	1
Chloroform	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
Chloromethane	0.30	U	2.0	0.30	ug/L			09/27/17 14:06	1
Chloroprene	0.21	U	1.0	0.21	ug/L			09/27/17 14:06	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 14:06	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 14:06	1

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

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.17	U	1.0	0.17	ug/L			09/27/17 14:06	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			09/27/17 14:06	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			09/27/17 14:06	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
Iodomethane	0.23	U	1.0	0.23	ug/L			09/27/17 14:06	1
Isobutyl alcohol	37	U	110	37	ug/L			09/27/17 14:06	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			09/27/17 14:06	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			09/27/17 14:06	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			09/27/17 14:06	1
Propionitrile	3.7	U	20	3.7	ug/L			09/27/17 14:06	1
Styrene	0.17	U	1.0	0.17	ug/L			09/27/17 14:06	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			09/27/17 14:06	1
Toluene	0.17	U	1.0	0.17	ug/L			09/27/17 14:06	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 14:06	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			09/27/17 14:06	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			09/27/17 14:06	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			09/27/17 14:06	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			09/27/17 14:06	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			09/27/17 14:06	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			09/27/17 14:06	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			09/27/17 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*		*09/27/17 14:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*		*09/27/17 14:06*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 120*		*09/27/17 14:06*	*1*
Toluene-d8 (Surr)	*104*		*80 - 125*		*09/27/17 14:06*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 21:40	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 21:40	1
1,3,5-Trinitrobenzene	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/20/17 21:40	1
1,3-Dinitrobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
1,4-Naphthoquinone	13	U	48	13	ug/L		09/17/17 08:37	09/20/17 21:40	1
1-Naphthylamine	3.0	U	9.5	3.0	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,3,4,6-Tetrachlorophenol	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,4,5-Trichlorophenol	0.43	U	9.5	0.43	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,4,6-Trichlorophenol	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,4-Dichlorophenol	0.61	U	9.5	0.61	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,4-Dimethylphenol	0.55	U	9.5	0.55	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,4-Dinitrophenol	9.5	U	29	9.5	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,4-Dinitrotoluene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,6-Dichlorophenol	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 21:40	1
2,6-Dinitrotoluene	1.8	U	9.5	1.8	ug/L		09/17/17 08:37	09/20/17 21:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-9A
Date Collected: 09/14/17 08:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Acetylaminofluorene	6.7	U	95	6.7	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Chlorophenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Methylphenol	0.94	U	9.5	0.94	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Nitroaniline	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 21:40	1
2-Nitrophenol	0.37	U	9.5	0.37	ug/L		09/17/17 08:37	09/20/17 21:40	1
3,3'-Dichlorobenzidine	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 21:40	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/20/17 21:40	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.5	0.24	ug/L		09/17/17 08:37	09/20/17 21:40	1
3-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
4,6-Dinitro-2-methylphenol	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Aminobiphenyl	4.3	U	48	4.3	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Bromophenyl phenyl ether	0.41	U	9.5	0.41	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Chloro-3-methylphenol	2.3	U	9.5	2.3	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Chloroaniline	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Chlorophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Nitrophenol	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 21:40	1
4-Phenylenediamine	4.8	U J3	95	4.8	ug/L		09/17/17 08:37	09/20/17 21:40	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/20/17 21:40	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/20/17 21:40	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 21:40	1
Acenaphthylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 21:40	1
Acetophenone	0.23	U	9.5	0.23	ug/L		09/17/17 08:37	09/20/17 21:40	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/20/17 21:40	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 21:40	1
Benzo(a)pyrene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/20/17 21:40	1
Benzo(b)fluoranthene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/20/17 21:40	1
Benzo(ghi)perylene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/20/17 21:40	1
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/20/17 21:40	1
Benzyl alcohol	0.22	U	9.5	0.22	ug/L		09/17/17 08:37	09/20/17 21:40	1
Bis(2-chloroethoxy)methane	0.93	U	9.5	0.93	ug/L		09/17/17 08:37	09/20/17 21:40	1
bis(2-Chloroethyl) ether	0.39	U	9.5	0.39	ug/L		09/17/17 08:37	09/20/17 21:40	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.5	0.53	ug/L		09/17/17 08:37	09/20/17 21:40	1
Butyl benzyl phthalate	0.95	U	3.8	0.95	ug/L		09/17/17 08:37	09/20/17 21:40	1
Chlorobenzilate	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 21:40	1
Chrysene	0.52	U	3.8	0.52	ug/L		09/17/17 08:37	09/20/17 21:40	1
Diallate	0.53	U	5.3	0.53	ug/L		09/17/17 08:37	09/20/17 21:40	1
Dibenz(a,h)anthracene	0.49	U	3.8	0.49	ug/L		09/17/17 08:37	09/20/17 21:40	1
Dibenzofuran	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 21:40	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/20/17 21:40	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 21:40	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		09/17/17 08:37	09/20/17 21:40	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/20/17 21:40	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 21:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-9A
Date Collected: 09/14/17 08:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 21:40	1
Diphenylamine	1.0	U	9.5	1.0	ug/L		09/17/17 08:37	09/20/17 21:40	1
Disulfoton	1.1	U	48	1.1	ug/L		09/17/17 08:37	09/20/17 21:40	1
Ethyl methanesulfonate	0.90	U	9.5	0.90	ug/L		09/17/17 08:37	09/20/17 21:40	1
Famphur	1.5	U	95	1.5	ug/L		09/17/17 08:37	09/20/17 21:40	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/20/17 21:40	1
Fluorene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/20/17 21:40	1
Hexachlorobenzene	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 21:40	1
Hexachlorobutadiene	3.1	U	9.5	3.1	ug/L		09/17/17 08:37	09/20/17 21:40	1
Hexachlorocyclopentadiene	9.5	U J3	48	9.5	ug/L		09/17/17 08:37	09/20/17 21:40	1
Hexachloroethane	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 21:40	1
Hexachloropropene	1.9	U	95	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/20/17 21:40	1
Isodrin	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 21:40	1
Isophorone	0.20	U	9.5	0.20	ug/L		09/17/17 08:37	09/20/17 21:40	1
Isosafrole	0.95	U	3.3	0.95	ug/L		09/17/17 08:37	09/20/17 21:40	1
Methapyrilene	19	U	48	19	ug/L		09/17/17 08:37	09/20/17 21:40	1
Methyl methanesulfonate	0.95	U	9.5	0.95	ug/L		09/17/17 08:37	09/20/17 21:40	1
Methyl parathion	3.1	U	48	3.1	ug/L		09/17/17 08:37	09/20/17 21:40	1
Naphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 21:40	1
Nitrobenzene	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosodiethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosodimethylamine	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosodi-n-butylamine	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosodi-n-propylamine	0.33	U	9.5	0.33	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosodiphenylamine	0.42	U	9.5	0.42	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosomethylethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosopiperidine	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
N-Nitrosopyrrolidine	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 21:40	1
O,O,O-Triethyl phosphorothioate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
o-Toluidine	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 21:40	1
Parathion	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Pentachlorobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Pentachloronitrobenzene	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Pentachlorophenol	19	U	48	19	ug/L		09/17/17 08:37	09/20/17 21:40	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 21:40	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 21:40	1
Phenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Phorate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 21:40	1
Pyrene	0.35	U	9.5	0.35	ug/L		09/17/17 08:37	09/20/17 21:40	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/20/17 21:40	1
Thionazin	0.82	U	48	0.82	ug/L		09/17/17 08:37	09/20/17 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*48 - 135*	*09/17/17 08:37*	*09/20/17 21:40*	*1*
2-Fluorobiphenyl	*73*		*48 - 135*	*09/17/17 08:37*	*09/20/17 21:40*	*1*
2-Fluorophenol	*74*		*41 - 135*	*09/17/17 08:37*	*09/20/17 21:40*	*1*
Nitrobenzene-d5	*74*		*42 - 135*	*09/17/17 08:37*	*09/20/17 21:40*	*1*
Phenol-d5	*73*		*46 - 135*	*09/17/17 08:37*	*09/20/17 21:40*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-9A
Date Collected: 09/14/17 08:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*92*		*20 - 135*	*09/17/17 08:37*	*09/20/17 21:40*	*1*

Client Sample ID: MW-9B
Date Collected: 09/14/17 07:20
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:07	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 22:07	1
1,3,5-Trinitrobenzene	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/20/17 22:07	1
1,3-Dinitrobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
1,4-Naphthoquinone	13	U	48	13	ug/L		09/17/17 08:37	09/20/17 22:07	1
1-Naphthylamine	3.0	U	9.5	3.0	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,3,4,6-Tetrachlorophenol	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,4,5-Trichlorophenol	0.43	U	9.5	0.43	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,4,6-Trichlorophenol	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,4-Dichlorophenol	0.61	U	9.5	0.61	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,4-Dimethylphenol	0.55	U	9.5	0.55	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,4-Dinitrophenol	9.5	U	29	9.5	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,4-Dinitrotoluene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,6-Dichlorophenol	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 22:07	1
2,6-Dinitrotoluene	1.8	U	9.5	1.8	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Acetylaminofluorene	6.7	U	95	6.7	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Chlorophenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Methylphenol	0.94	U	9.5	0.94	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Nitroaniline	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:07	1
2-Nitrophenol	0.37	U	9.5	0.37	ug/L		09/17/17 08:37	09/20/17 22:07	1
3,3'-Dichlorobenzidine	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 22:07	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/20/17 22:07	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.5	0.24	ug/L		09/17/17 08:37	09/20/17 22:07	1
3-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
4,6-Dinitro-2-methylphenol	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Aminobiphenyl	4.3	U	48	4.3	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Bromophenyl phenyl ether	0.41	U	9.5	0.41	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Chloro-3-methylphenol	2.3	U	9.5	2.3	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Chloroaniline	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Chlorophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Nitrophenol	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 22:07	1
4-Phenylenediamine	4.8	U J3	95	4.8	ug/L		09/17/17 08:37	09/20/17 22:07	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/20/17 22:07	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/20/17 22:07	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 22:07	1
Acenaphthylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 22:07	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-9B
Date Collected: 09/14/17 07:20
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.23	U	9.5	0.23	ug/L		09/17/17 08:37	09/20/17 22:07	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/20/17 22:07	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 22:07	1
Benzo(a)pyrene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/20/17 22:07	1
Benzo(b)fluoranthene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/20/17 22:07	1
Benzo(ghi)perylene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/20/17 22:07	1
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/20/17 22:07	1
Benzyl alcohol	0.22	U	9.5	0.22	ug/L		09/17/17 08:37	09/20/17 22:07	1
Bis(2-chloroethoxy)methane	0.93	U	9.5	0.93	ug/L		09/17/17 08:37	09/20/17 22:07	1
bis(2-Chloroethyl) ether	0.39	U	9.5	0.39	ug/L		09/17/17 08:37	09/20/17 22:07	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.5	0.53	ug/L		09/17/17 08:37	09/20/17 22:07	1
Butyl benzyl phthalate	0.95	U	3.8	0.95	ug/L		09/17/17 08:37	09/20/17 22:07	1
Chlorobenzilate	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 22:07	1
Chrysene	0.52	U	3.8	0.52	ug/L		09/17/17 08:37	09/20/17 22:07	1
Diallate	0.53	U	5.3	0.53	ug/L		09/17/17 08:37	09/20/17 22:07	1
Dibenz(a,h)anthracene	0.49	U	3.8	0.49	ug/L		09/17/17 08:37	09/20/17 22:07	1
Dibenzofuran	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 22:07	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/20/17 22:07	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 22:07	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		09/17/17 08:37	09/20/17 22:07	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/20/17 22:07	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 22:07	1
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 22:07	1
Diphenylamine	1.0	U	9.5	1.0	ug/L		09/17/17 08:37	09/20/17 22:07	1
Disulfoton	1.1	U	48	1.1	ug/L		09/17/17 08:37	09/20/17 22:07	1
Ethyl methanesulfonate	0.90	U	9.5	0.90	ug/L		09/17/17 08:37	09/20/17 22:07	1
Famphur	1.5	U	95	1.5	ug/L		09/17/17 08:37	09/20/17 22:07	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/20/17 22:07	1
Fluorene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/20/17 22:07	1
Hexachlorobenzene	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 22:07	1
Hexachlorobutadiene	3.1	U	9.5	3.1	ug/L		09/17/17 08:37	09/20/17 22:07	1
Hexachlorocyclopentadiene	9.5	U J3	48	9.5	ug/L		09/17/17 08:37	09/20/17 22:07	1
Hexachloroethane	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 22:07	1
Hexachloropropene	1.9	U	95	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/20/17 22:07	1
Isodrin	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:07	1
Isophorone	0.20	U	9.5	0.20	ug/L		09/17/17 08:37	09/20/17 22:07	1
Isosafrole	0.95	U	3.3	0.95	ug/L		09/17/17 08:37	09/20/17 22:07	1
Methapyrilene	19	U	48	19	ug/L		09/17/17 08:37	09/20/17 22:07	1
Methyl methanesulfonate	0.95	U	9.5	0.95	ug/L		09/17/17 08:37	09/20/17 22:07	1
Methyl parathion	3.1	U	48	3.1	ug/L		09/17/17 08:37	09/20/17 22:07	1
Naphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 22:07	1
Nitrobenzene	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosodiethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosodimethylamine	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosodi-n-butylamine	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosodi-n-propylamine	0.33	U	9.5	0.33	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosodiphenylamine	0.42	U	9.5	0.42	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosomethylethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:07	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosopiperidine	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
N-Nitrosopyrrolidine	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 22:07	1
O,O,O-Triethyl phosphorothioate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
o-Toluidine	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 22:07	1
Parathion	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Pentachlorobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Pentachloronitrobenzene	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Pentachlorophenol	19	U	48	19	ug/L		09/17/17 08:37	09/20/17 22:07	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 22:07	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 22:07	1
Phenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Phorate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 22:07	1
Pyrene	0.35	U	9.5	0.35	ug/L		09/17/17 08:37	09/20/17 22:07	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/20/17 22:07	1
Thionazin	0.82	U	48	0.82	ug/L		09/17/17 08:37	09/20/17 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*48 - 135*	*09/17/17 08:37*	*09/20/17 22:07*	*1*
2-Fluorobiphenyl	*75*		*48 - 135*	*09/17/17 08:37*	*09/20/17 22:07*	*1*
2-Fluorophenol	*77*		*41 - 135*	*09/17/17 08:37*	*09/20/17 22:07*	*1*
Nitrobenzene-d5	*77*		*42 - 135*	*09/17/17 08:37*	*09/20/17 22:07*	*1*
Phenol-d5	*76*		*46 - 135*	*09/17/17 08:37*	*09/20/17 22:07*	*1*
Terphenyl-d14	*87*		*20 - 135*	*09/17/17 08:37*	*09/20/17 22:07*	*1*

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 22:33	1
1,3,5-Trinitrobenzene	3.8	U	47	3.8	ug/L		09/17/17 08:37	09/20/17 22:33	1
1,3-Dinitrobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
1,4-Naphthoquinone	13	U	47	13	ug/L		09/17/17 08:37	09/20/17 22:33	1
1-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,3,4,6-Tetrachlorophenol	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,4,5-Trichlorophenol	0.43	U	9.5	0.43	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,4,6-Trichlorophenol	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,4-Dichlorophenol	0.61	U	9.5	0.61	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,4-Dimethylphenol	0.55	U	9.5	0.55	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,4-Dinitrophenol	9.5	U	28	9.5	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,4-Dinitrotoluene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,6-Dichlorophenol	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 22:33	1
2,6-Dinitrotoluene	1.8	U	9.5	1.8	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Acetylaminofluorene	6.6	U	95	6.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Chlorophenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Methylphenol	0.93	U	9.5	0.93	ug/L		09/17/17 08:37	09/20/17 22:33	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-11A
Date Collected: 09/14/17 10:40
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Nitroaniline	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
2-Nitrophenol	0.37	U	9.5	0.37	ug/L		09/17/17 08:37	09/20/17 22:33	1
3,3'-Dichlorobenzidine	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 22:33	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.5	0.24	ug/L		09/17/17 08:37	09/20/17 22:33	1
3-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
4,6-Dinitro-2-methylphenol	3.8	U	47	3.8	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Aminobiphenyl	4.3	U	47	4.3	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Bromophenyl phenyl ether	0.41	U	9.5	0.41	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Chloro-3-methylphenol	2.3	U	9.5	2.3	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Chloroaniline	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Chlorophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Nitrophenol	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 22:33	1
4-Phenylenediamine	4.7	U J3	95	4.7	ug/L		09/17/17 08:37	09/20/17 22:33	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/20/17 22:33	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/20/17 22:33	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 22:33	1
Acenaphthylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 22:33	1
Acetophenone	0.23	U	9.5	0.23	ug/L		09/17/17 08:37	09/20/17 22:33	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/20/17 22:33	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 22:33	1
Benzo(a)pyrene	0.29	U	3.8	0.29	ug/L		09/17/17 08:37	09/20/17 22:33	1
Benzo(b)fluoranthene	0.50	U	3.8	0.50	ug/L		09/17/17 08:37	09/20/17 22:33	1
Benzo(ghi)perylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 22:33	1
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/20/17 22:33	1
Benzyl alcohol	0.22	U	9.5	0.22	ug/L		09/17/17 08:37	09/20/17 22:33	1
Bis(2-chloroethoxy)methane	0.92	U	9.5	0.92	ug/L		09/17/17 08:37	09/20/17 22:33	1
bis(2-Chloroethyl) ether	0.39	U	9.5	0.39	ug/L		09/17/17 08:37	09/20/17 22:33	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.5	0.53	ug/L		09/17/17 08:37	09/20/17 22:33	1
Butyl benzyl phthalate	0.95	U	3.8	0.95	ug/L		09/17/17 08:37	09/20/17 22:33	1
Chlorobenzilate	0.62	U	9.5	0.62	ug/L		09/17/17 08:37	09/20/17 22:33	1
Chrysene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/20/17 22:33	1
Diallate	0.53	U	5.3	0.53	ug/L		09/17/17 08:37	09/20/17 22:33	1
Dibenz(a,h)anthracene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/20/17 22:33	1
Dibenzofuran	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 22:33	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/20/17 22:33	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 22:33	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		09/17/17 08:37	09/20/17 22:33	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/20/17 22:33	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 22:33	1
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 22:33	1
Diphenylamine	1.0	U	9.5	1.0	ug/L		09/17/17 08:37	09/20/17 22:33	1
Disulfoton	1.1	U	47	1.1	ug/L		09/17/17 08:37	09/20/17 22:33	1
Ethyl methanesulfonate	0.90	U	9.5	0.90	ug/L		09/17/17 08:37	09/20/17 22:33	1
Famphur	1.5	U	95	1.5	ug/L		09/17/17 08:37	09/20/17 22:33	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-11A
Date Collected: 09/14/17 10:40
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/20/17 22:33	1
Fluorene	0.29	U	3.8	0.29	ug/L		09/17/17 08:37	09/20/17 22:33	1
Hexachlorobenzene	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 22:33	1
Hexachlorobutadiene	3.1	U	9.5	3.1	ug/L		09/17/17 08:37	09/20/17 22:33	1
Hexachlorocyclopentadiene	9.5	U J3	47	9.5	ug/L		09/17/17 08:37	09/20/17 22:33	1
Hexachloroethane	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 22:33	1
Hexachloropropene	1.9	U	95	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/20/17 22:33	1
Isodrin	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:33	1
Isophorone	0.20	U	9.5	0.20	ug/L		09/17/17 08:37	09/20/17 22:33	1
Isosafrole	0.95	U	3.3	0.95	ug/L		09/17/17 08:37	09/20/17 22:33	1
Methapyrilene	19	U	47	19	ug/L		09/17/17 08:37	09/20/17 22:33	1
Methyl methanesulfonate	0.95	U	9.5	0.95	ug/L		09/17/17 08:37	09/20/17 22:33	1
Methyl parathion	3.1	U	47	3.1	ug/L		09/17/17 08:37	09/20/17 22:33	1
Naphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 22:33	1
Nitrobenzene	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosodiethylamine	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosodimethylamine	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosodi-n-butylamine	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosodi-n-propylamine	0.33	U	9.5	0.33	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosodiphenylamine	0.42	U	9.5	0.42	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosomethylethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosopiperidine	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
N-Nitrosopyrrolidine	0.76	U	9.5	0.76	ug/L		09/17/17 08:37	09/20/17 22:33	1
O,O,O-Triethyl phosphorothioate	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
o-Toluidine	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 22:33	1
Parathion	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Pentachlorobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Pentachloronitrobenzene	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Pentachlorophenol	19	U	47	19	ug/L		09/17/17 08:37	09/20/17 22:33	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 22:33	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 22:33	1
Phenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Phorate	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 22:33	1
Pyrene	0.35	U	9.5	0.35	ug/L		09/17/17 08:37	09/20/17 22:33	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/20/17 22:33	1
Thionazin	0.82	U	47	0.82	ug/L		09/17/17 08:37	09/20/17 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*48 - 135*	*09/17/17 08:37*	*09/20/17 22:33*	*1*
2-Fluorobiphenyl	*76*		*48 - 135*	*09/17/17 08:37*	*09/20/17 22:33*	*1*
2-Fluorophenol	*78*		*41 - 135*	*09/17/17 08:37*	*09/20/17 22:33*	*1*
Nitrobenzene-d5	*76*		*42 - 135*	*09/17/17 08:37*	*09/20/17 22:33*	*1*
Phenol-d5	*79*		*46 - 135*	*09/17/17 08:37*	*09/20/17 22:33*	*1*
Terphenyl-d14	*75*		*20 - 135*	*09/17/17 08:37*	*09/20/17 22:33*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: MW-11B
Date Collected: 09/14/17 09:35
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:00	1
1,3,5-Trinitrobenzene	3.8	U	47	3.8	ug/L		09/17/17 08:37	09/20/17 23:00	1
1,3-Dinitrobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
1,4-Naphthoquinone	13	U	47	13	ug/L		09/17/17 08:37	09/20/17 23:00	1
1-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,3,4,6-Tetrachlorophenol	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,4,5-Trichlorophenol	0.43	U	9.5	0.43	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,4,6-Trichlorophenol	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,4-Dichlorophenol	0.61	U	9.5	0.61	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,4-Dimethylphenol	0.55	U	9.5	0.55	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,4-Dinitrophenol	9.5	U	28	9.5	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,4-Dinitrotoluene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,6-Dichlorophenol	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 23:00	1
2,6-Dinitrotoluene	1.8	U	9.5	1.8	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Acetylaminofluorene	6.6	U	95	6.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Chlorophenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Methylphenol	0.93	U	9.5	0.93	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Nitroaniline	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
2-Nitrophenol	0.37	U	9.5	0.37	ug/L		09/17/17 08:37	09/20/17 23:00	1
3,3'-Dichlorobenzidine	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 23:00	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.5	0.24	ug/L		09/17/17 08:37	09/20/17 23:00	1
3-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
4,6-Dinitro-2-methylphenol	3.8	U	47	3.8	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Aminobiphenyl	4.3	U	47	4.3	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Bromophenyl phenyl ether	0.41	U	9.5	0.41	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Chloro-3-methylphenol	2.3	U	9.5	2.3	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Chloroaniline	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Chlorophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Nitrophenol	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 23:00	1
4-Phenylenediamine	4.7	U J3	95	4.7	ug/L		09/17/17 08:37	09/20/17 23:00	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/20/17 23:00	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/20/17 23:00	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:00	1
Acenaphthylene	0.46	U	3.8	0.46	ug/L		09/17/17 08:37	09/20/17 23:00	1
Acetophenone	0.23	U	9.5	0.23	ug/L		09/17/17 08:37	09/20/17 23:00	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/20/17 23:00	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 23:00	1
Benzo(a)pyrene	0.29	U	3.8	0.29	ug/L		09/17/17 08:37	09/20/17 23:00	1
Benzo(b)fluoranthene	0.50	U	3.8	0.50	ug/L		09/17/17 08:37	09/20/17 23:00	1
Benzo(ghi)perylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 23:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-11B
Date Collected: 09/14/17 09:35
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/20/17 23:00	1
Benzyl alcohol	0.22	U	9.5	0.22	ug/L		09/17/17 08:37	09/20/17 23:00	1
Bis(2-chloroethoxy)methane	0.92	U	9.5	0.92	ug/L		09/17/17 08:37	09/20/17 23:00	1
bis(2-Chloroethyl) ether	0.39	U	9.5	0.39	ug/L		09/17/17 08:37	09/20/17 23:00	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.5	0.53	ug/L		09/17/17 08:37	09/20/17 23:00	1
Butyl benzyl phthalate	0.95	U	3.8	0.95	ug/L		09/17/17 08:37	09/20/17 23:00	1
Chlorobenzilate	0.62	U	9.5	0.62	ug/L		09/17/17 08:37	09/20/17 23:00	1
Chrysene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/20/17 23:00	1
Diallate	0.53	U	5.3	0.53	ug/L		09/17/17 08:37	09/20/17 23:00	1
Dibenz(a,h)anthracene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/20/17 23:00	1
Dibenzofuran	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 23:00	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/20/17 23:00	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 23:00	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		09/17/17 08:37	09/20/17 23:00	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/20/17 23:00	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 23:00	1
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 23:00	1
Diphenylamine	1.0	U	9.5	1.0	ug/L		09/17/17 08:37	09/20/17 23:00	1
Disulfoton	1.1	U	47	1.1	ug/L		09/17/17 08:37	09/20/17 23:00	1
Ethyl methanesulfonate	0.89	U	9.5	0.89	ug/L		09/17/17 08:37	09/20/17 23:00	1
Famphur	1.5	U	95	1.5	ug/L		09/17/17 08:37	09/20/17 23:00	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/20/17 23:00	1
Fluorene	0.29	U	3.8	0.29	ug/L		09/17/17 08:37	09/20/17 23:00	1
Hexachlorobenzene	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 23:00	1
Hexachlorobutadiene	3.1	U	9.5	3.1	ug/L		09/17/17 08:37	09/20/17 23:00	1
Hexachlorocyclopentadiene	9.5	U J3	47	9.5	ug/L		09/17/17 08:37	09/20/17 23:00	1
Hexachloroethane	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 23:00	1
Hexachloropropene	1.9	U	95	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/20/17 23:00	1
Isodrin	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 23:00	1
Isophorone	0.20	U	9.5	0.20	ug/L		09/17/17 08:37	09/20/17 23:00	1
Isosafrole	0.95	U	3.3	0.95	ug/L		09/17/17 08:37	09/20/17 23:00	1
Methapyrilene	19	U	47	19	ug/L		09/17/17 08:37	09/20/17 23:00	1
Methyl methanesulfonate	0.95	U	9.5	0.95	ug/L		09/17/17 08:37	09/20/17 23:00	1
Methyl parathion	3.1	U	47	3.1	ug/L		09/17/17 08:37	09/20/17 23:00	1
Naphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 23:00	1
Nitrobenzene	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosodiethylamine	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosodimethylamine	0.28	U	9.5	0.28	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosodi-n-butylamine	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosodi-n-propylamine	0.33	U	9.5	0.33	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosodiphenylamine	0.42	U	9.5	0.42	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosomethylethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosopiperidine	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
N-Nitrosopyrrolidine	0.76	U	9.5	0.76	ug/L		09/17/17 08:37	09/20/17 23:00	1
O,O,O-Triethyl phosphorothioate	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
o-Toluidine	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 23:00	1
Parathion	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
Pentachlorobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachloronitrobenzene	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
Pentachlorophenol	19	U	47	19	ug/L		09/17/17 08:37	09/20/17 23:00	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 23:00	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 23:00	1
Phenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
Phorate	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 23:00	1
Pyrene	0.35	U	9.5	0.35	ug/L		09/17/17 08:37	09/20/17 23:00	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/20/17 23:00	1
Thionazin	0.82	U	47	0.82	ug/L		09/17/17 08:37	09/20/17 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*48 - 135*	*09/17/17 08:37*	*09/20/17 23:00*	*1*
2-Fluorobiphenyl	*74*		*48 - 135*	*09/17/17 08:37*	*09/20/17 23:00*	*1*
2-Fluorophenol	*75*		*41 - 135*	*09/17/17 08:37*	*09/20/17 23:00*	*1*
Nitrobenzene-d5	*77*		*42 - 135*	*09/17/17 08:37*	*09/20/17 23:00*	*1*
Phenol-d5	*75*		*46 - 135*	*09/17/17 08:37*	*09/20/17 23:00*	*1*
Terphenyl-d14	*59*		*20 - 135*	*09/17/17 08:37*	*09/20/17 23:00*	*1*

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	9.7	1.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
1,2,4-Trichlorobenzene	0.27	U	3.9	0.27	ug/L		09/19/17 13:13	09/25/17 23:43	1
1,3,5-Trinitrobenzene	3.9	U	49	3.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
1,3-Dinitrobenzene	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
1,4-Naphthoquinone	13	U	49	13	ug/L		09/19/17 13:13	09/25/17 23:43	1
1-Naphthylamine	3.0	U	9.7	3.0	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.7	0.27	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,3,4,6-Tetrachlorophenol	1.9	U	49	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,4,5-Trichlorophenol	0.44	U	9.7	0.44	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,4,6-Trichlorophenol	0.28	U	9.7	0.28	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,4-Dichlorophenol	0.62	U	9.7	0.62	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,4-Dimethylphenol	0.56	U	9.7	0.56	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,4-Dinitrophenol	9.7	U	29	9.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,4-Dinitrotoluene	1.6	U	9.7	1.6	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,6-Dichlorophenol	1.3	U	9.7	1.3	ug/L		09/19/17 13:13	09/25/17 23:43	1
2,6-Dinitrotoluene	1.8	U	9.7	1.8	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Acetylaminofluorene	6.8	U	97	6.8	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Chloronaphthalene	0.25	U	3.9	0.25	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Chlorophenol	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Methylnaphthalene	0.28	U	3.9	0.28	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Methylphenol	0.95	U	9.7	0.95	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Naphthylamine	3.0	U	9.7	3.0	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Nitroaniline	1.7	U	9.7	1.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
2-Nitrophenol	0.38	U	9.7	0.38	ug/L		09/19/17 13:13	09/25/17 23:43	1
3,3'-Dichlorobenzidine	1.9	U	49	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
3,3'-Dimethylbenzidine	3.9	U J3	19	3.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
3-Methylcholanthrene	1.7	U	19	1.7	ug/L		09/19/17 13:13	09/25/17 23:43	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-14A
Date Collected: 09/14/17 08:39
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol & 4-Methylphenol	0.24	U	9.7	0.24	ug/L		09/19/17 13:13	09/25/17 23:43	1
3-Nitroaniline	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
4,6-Dinitro-2-methylphenol	3.9	U	49	3.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Aminobiphenyl	4.4	U	49	4.4	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Bromophenyl phenyl ether	0.42	U	9.7	0.42	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Chloro-3-methylphenol	2.3	U	9.7	2.3	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Chloroaniline	2.1	U	9.7	2.1	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Chlorophenyl phenyl ether	1.6	U	9.7	1.6	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Nitroaniline	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Nitrophenol	1.2	U	9.7	1.2	ug/L		09/19/17 13:13	09/25/17 23:43	1
4-Phenylenediamine	4.9	U J3	97	4.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
5-Nitro-o-toluidine	1.4	U	19	1.4	ug/L		09/19/17 13:13	09/25/17 23:43	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/19/17 13:13	09/25/17 23:43	1
Acenaphthene	0.27	U	3.9	0.27	ug/L		09/19/17 13:13	09/25/17 23:43	1
Acenaphthylene	0.48	U	3.9	0.48	ug/L		09/19/17 13:13	09/25/17 23:43	1
Acetophenone	0.23	U	9.7	0.23	ug/L		09/19/17 13:13	09/25/17 23:43	1
Anthracene	0.41	U	3.9	0.41	ug/L		09/19/17 13:13	09/25/17 23:43	1
Benzo(a)anthracene	0.34	U	3.9	0.34	ug/L		09/19/17 13:13	09/25/17 23:43	1
Benzo(a)pyrene	0.30	U	3.9	0.30	ug/L		09/19/17 13:13	09/25/17 23:43	1
Benzo(b)fluoranthene	0.52	U	3.9	0.52	ug/L		09/19/17 13:13	09/25/17 23:43	1
Benzo(ghi)perylene	0.49	U	3.9	0.49	ug/L		09/19/17 13:13	09/25/17 23:43	1
Benzo(k)fluoranthene	0.45	U	3.9	0.45	ug/L		09/19/17 13:13	09/25/17 23:43	1
Benzyl alcohol	0.22	U	9.7	0.22	ug/L		09/19/17 13:13	09/25/17 23:43	1
Bis(2-chloroethoxy)methane	0.94	U	9.7	0.94	ug/L		09/19/17 13:13	09/25/17 23:43	1
bis(2-Chloroethyl) ether	0.40	U	9.7	0.40	ug/L		09/19/17 13:13	09/25/17 23:43	1
Bis(2-ethylhexyl) phthalate	0.54	U	9.7	0.54	ug/L		09/19/17 13:13	09/25/17 23:43	1
Butyl benzyl phthalate	0.97	U	3.9	0.97	ug/L		09/19/17 13:13	09/25/17 23:43	1
Chlorobenzilate	0.64	U	9.7	0.64	ug/L		09/19/17 13:13	09/25/17 23:43	1
Chrysene	0.52	U	3.9	0.52	ug/L		09/19/17 13:13	09/25/17 23:43	1
Diallate	0.54	U	5.4	0.54	ug/L		09/19/17 13:13	09/25/17 23:43	1
Dibenz(a,h)anthracene	0.50	U	3.9	0.50	ug/L		09/19/17 13:13	09/25/17 23:43	1
Dibenzofuran	0.28	U	3.9	0.28	ug/L		09/19/17 13:13	09/25/17 23:43	1
Diethyl phthalate	0.37	U	3.9	0.37	ug/L		09/19/17 13:13	09/25/17 23:43	1
Dimethoate	1.0	U	19	1.0	ug/L		09/19/17 13:13	09/25/17 23:43	1
Dimethyl phthalate	0.20	U	3.9	0.20	ug/L		09/19/17 13:13	09/25/17 23:43	1
Di-n-butyl phthalate	1.1	U	3.9	1.1	ug/L		09/19/17 13:13	09/25/17 23:43	1
Di-n-octyl phthalate	0.34	U	3.9	0.34	ug/L		09/19/17 13:13	09/25/17 23:43	1
Dinoseb	3.9	U	19	3.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Diphenylamine	1.0	U	9.7	1.0	ug/L		09/19/17 13:13	09/25/17 23:43	1
Disulfoton	1.1	U	49	1.1	ug/L		09/19/17 13:13	09/25/17 23:43	1
Ethyl methanesulfonate	0.92	U	9.7	0.92	ug/L		09/19/17 13:13	09/25/17 23:43	1
Famphur	1.5	U	97	1.5	ug/L		09/19/17 13:13	09/25/17 23:43	1
Fluoranthene	0.19	U	3.9	0.19	ug/L		09/19/17 13:13	09/25/17 23:43	1
Fluorene	0.30	U	3.9	0.30	ug/L		09/19/17 13:13	09/25/17 23:43	1
Hexachlorobenzene	0.64	U	9.7	0.64	ug/L		09/19/17 13:13	09/25/17 23:43	1
Hexachlorobutadiene	3.2	U	9.7	3.2	ug/L		09/19/17 13:13	09/25/17 23:43	1
Hexachlorocyclopentadiene	9.7	U	49	9.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
Hexachloroethane	2.0	U	9.7	2.0	ug/L		09/19/17 13:13	09/25/17 23:43	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloropropene	1.9	U	97	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Indeno(1,2,3-cd)pyrene	0.63	U	3.9	0.63	ug/L		09/19/17 13:13	09/25/17 23:43	1
Isodrin	1.7	U	9.7	1.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
Isophorone	0.20	U	9.7	0.20	ug/L		09/19/17 13:13	09/25/17 23:43	1
Isosafrole	0.97	U	3.4	0.97	ug/L		09/19/17 13:13	09/25/17 23:43	1
Methapyrilene	19	U	49	19	ug/L		09/19/17 13:13	09/25/17 23:43	1
Methyl methanesulfonate	0.97	U	9.7	0.97	ug/L		09/19/17 13:13	09/25/17 23:43	1
Methyl parathion	3.1	U	49	3.1	ug/L		09/19/17 13:13	09/25/17 23:43	1
Naphthalene	0.28	U	3.9	0.28	ug/L		09/19/17 13:13	09/25/17 23:43	1
Nitrobenzene	0.79	U	9.7	0.79	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosodiethylamine	1.7	U	9.7	1.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosodimethylamine	0.28	U	9.7	0.28	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosodi-n-butylamine	1.2	U	9.7	1.2	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosodi-n-propylamine	0.34	U	9.7	0.34	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosodiphenylamine	0.43	U	9.7	0.43	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosomethylethylamine	1.7	U	9.7	1.7	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosopiperidine	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
N-Nitrosopyrrolidine	0.78	U	9.7	0.78	ug/L		09/19/17 13:13	09/25/17 23:43	1
O,O,O-Triethyl phosphorothioate	1.9	U	49	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
o-Toluidine	1.4	U	9.7	1.4	ug/L		09/19/17 13:13	09/25/17 23:43	1
Parathion	1.9	U	49	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Pentachlorobenzene	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Pentachloronitrobenzene	1.9	U	49	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Pentachlorophenol	19	U	49	19	ug/L		09/19/17 13:13	09/25/17 23:43	1
Phenacetin	1.0	U	19	1.0	ug/L		09/19/17 13:13	09/25/17 23:43	1
Phenanthrene	0.25	U	3.9	0.25	ug/L		09/19/17 13:13	09/25/17 23:43	1
Phenol	1.9	U	9.7	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Phorate	1.9	U	49	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Pronamide	1.9	U	19	1.9	ug/L		09/19/17 13:13	09/25/17 23:43	1
Pyrene	0.36	U	9.7	0.36	ug/L		09/19/17 13:13	09/25/17 23:43	1
Safrole	1.1	U	19	1.1	ug/L		09/19/17 13:13	09/25/17 23:43	1
Thionazin	0.84	U	49	0.84	ug/L		09/19/17 13:13	09/25/17 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*48 - 135*	*09/19/17 13:13*	*09/25/17 23:43*	*1*
2-Fluorobiphenyl	*75*		*48 - 135*	*09/19/17 13:13*	*09/25/17 23:43*	*1*
2-Fluorophenol	*78*		*41 - 135*	*09/19/17 13:13*	*09/25/17 23:43*	*1*
Nitrobenzene-d5	*72*		*42 - 135*	*09/19/17 13:13*	*09/25/17 23:43*	*1*
Phenol-d5	*78*		*46 - 135*	*09/19/17 13:13*	*09/25/17 23:43*	*1*
Terphenyl-d14	*79*		*20 - 135*	*09/19/17 13:13*	*09/25/17 23:43*	*1*

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
1,3,5-Trinitrobenzene	3.8	U	47	3.8	ug/L		09/17/17 08:37	09/20/17 23:26	1
1,3-Dinitrobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
1,4-Naphthoquinone	13	U	47	13	ug/L		09/17/17 08:37	09/20/17 23:26	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-14B
Date Collected: 09/14/17 07:52
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,3,4,6-Tetrachlorophenol	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,4,5-Trichlorophenol	0.43	U	9.5	0.43	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,4,6-Trichlorophenol	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,4-Dichlorophenol	0.61	U	9.5	0.61	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,4-Dimethylphenol	0.55	U	9.5	0.55	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,4-Dinitrophenol	9.5	U	28	9.5	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,4-Dinitrotoluene	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,6-Dichlorophenol	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 23:26	1
2,6-Dinitrotoluene	1.8	U	9.5	1.8	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Acetylaminofluorene	6.6	U	95	6.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Chlorophenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Methylnaphthalene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Methylphenol	0.93	U	9.5	0.93	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Naphthylamine	2.9	U	9.5	2.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Nitroaniline	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
2-Nitrophenol	0.37	U	9.5	0.37	ug/L		09/17/17 08:37	09/20/17 23:26	1
3,3'-Dichlorobenzidine	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 23:26	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.5	0.24	ug/L		09/17/17 08:37	09/20/17 23:26	1
3-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
4,6-Dinitro-2-methylphenol	3.8	U	47	3.8	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Aminobiphenyl	4.3	U	47	4.3	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Bromophenyl phenyl ether	0.41	U	9.5	0.41	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Chloro-3-methylphenol	2.3	U	9.5	2.3	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Chloroaniline	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Chlorophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Nitroaniline	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Nitrophenol	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 23:26	1
4-Phenylenediamine	4.7	U J3	95	4.7	ug/L		09/17/17 08:37	09/20/17 23:26	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/20/17 23:26	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/20/17 23:26	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
Acenaphthylene	0.46	U	3.8	0.46	ug/L		09/17/17 08:37	09/20/17 23:26	1
Acetophenone	0.23	U	9.5	0.23	ug/L		09/17/17 08:37	09/20/17 23:26	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/20/17 23:26	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 23:26	1
Benzo(a)pyrene	0.29	U	3.8	0.29	ug/L		09/17/17 08:37	09/20/17 23:26	1
Benzo(b)fluoranthene	0.50	U	3.8	0.50	ug/L		09/17/17 08:37	09/20/17 23:26	1
Benzo(ghi)perylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 23:26	1
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/20/17 23:26	1
Benzyl alcohol	0.22	U	9.5	0.22	ug/L		09/17/17 08:37	09/20/17 23:26	1
Bis(2-chloroethoxy)methane	0.92	U	9.5	0.92	ug/L		09/17/17 08:37	09/20/17 23:26	1
bis(2-Chloroethyl) ether	0.39	U	9.5	0.39	ug/L		09/17/17 08:37	09/20/17 23:26	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.5	0.53	ug/L		09/17/17 08:37	09/20/17 23:26	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-14B
Date Collected: 09/14/17 07:52
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.95	U	3.8	0.95	ug/L		09/17/17 08:37	09/20/17 23:26	1
Chlorobenzilate	0.62	U	9.5	0.62	ug/L		09/17/17 08:37	09/20/17 23:26	1
Chrysene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/20/17 23:26	1
Diallate	0.53	U	5.3	0.53	ug/L		09/17/17 08:37	09/20/17 23:26	1
Dibenz(a,h)anthracene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/20/17 23:26	1
Dibenzofuran	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/20/17 23:26	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 23:26	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		09/17/17 08:37	09/20/17 23:26	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/20/17 23:26	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 23:26	1
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 23:26	1
Diphenylamine	1.0	U	9.5	1.0	ug/L		09/17/17 08:37	09/20/17 23:26	1
Disulfoton	1.1	U	47	1.1	ug/L		09/17/17 08:37	09/20/17 23:26	1
Ethyl methanesulfonate	0.89	U	9.5	0.89	ug/L		09/17/17 08:37	09/20/17 23:26	1
Famphur	1.5	U	95	1.5	ug/L		09/17/17 08:37	09/20/17 23:26	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/20/17 23:26	1
Fluorene	0.29	U	3.8	0.29	ug/L		09/17/17 08:37	09/20/17 23:26	1
Hexachlorobenzene	0.63	U	9.5	0.63	ug/L		09/17/17 08:37	09/20/17 23:26	1
Hexachlorobutadiene	3.1	U	9.5	3.1	ug/L		09/17/17 08:37	09/20/17 23:26	1
Hexachlorocyclopentadiene	9.5	U J3	47	9.5	ug/L		09/17/17 08:37	09/20/17 23:26	1
Hexachloroethane	2.0	U	9.5	2.0	ug/L		09/17/17 08:37	09/20/17 23:26	1
Hexachloropropene	1.9	U	95	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/20/17 23:26	1
Isodrin	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 23:26	1
Isophorone	0.20	U	9.5	0.20	ug/L		09/17/17 08:37	09/20/17 23:26	1
Isosafrole	0.95	U	3.3	0.95	ug/L		09/17/17 08:37	09/20/17 23:26	1
Methapyrilene	19	U	47	19	ug/L		09/17/17 08:37	09/20/17 23:26	1
Methyl methanesulfonate	0.95	U	9.5	0.95	ug/L		09/17/17 08:37	09/20/17 23:26	1
Methyl parathion	3.1	U	47	3.1	ug/L		09/17/17 08:37	09/20/17 23:26	1
Naphthalene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
Nitrobenzene	0.77	U	9.5	0.77	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosodiethylamine	1.6	U	9.5	1.6	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosodimethylamine	0.27	U	9.5	0.27	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosodi-n-butylamine	1.2	U	9.5	1.2	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosodi-n-propylamine	0.33	U	9.5	0.33	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosodiphenylamine	0.42	U	9.5	0.42	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosomethylethylamine	1.7	U	9.5	1.7	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosopiperidine	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
N-Nitrosopyrrolidine	0.76	U	9.5	0.76	ug/L		09/17/17 08:37	09/20/17 23:26	1
O,O,O-Triethyl phosphorothioate	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
o-Toluidine	1.3	U	9.5	1.3	ug/L		09/17/17 08:37	09/20/17 23:26	1
Parathion	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
Pentachlorobenzene	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
Pentachloronitrobenzene	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
Pentachlorophenol	19	U	47	19	ug/L		09/17/17 08:37	09/20/17 23:26	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 23:26	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 23:26	1
Phenol	1.9	U	9.5	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phorate	1.9	U	47	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 23:26	1
Pyrene	0.35	U	9.5	0.35	ug/L		09/17/17 08:37	09/20/17 23:26	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/20/17 23:26	1
Thionazin	0.82	U	47	0.82	ug/L		09/17/17 08:37	09/20/17 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*48 - 135*	*09/17/17 08:37*	*09/20/17 23:26*	*1*
2-Fluorobiphenyl	*68*		*48 - 135*	*09/17/17 08:37*	*09/20/17 23:26*	*1*
2-Fluorophenol	*69*		*41 - 135*	*09/17/17 08:37*	*09/20/17 23:26*	*1*
Nitrobenzene-d5	*70*		*42 - 135*	*09/17/17 08:37*	*09/20/17 23:26*	*1*
Phenol-d5	*67*		*46 - 135*	*09/17/17 08:37*	*09/20/17 23:26*	*1*
Terphenyl-d14	*90*		*20 - 135*	*09/17/17 08:37*	*09/20/17 23:26*	*1*

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/20/17 23:53	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:53	1
1,3,5-Trinitrobenzene	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/20/17 23:53	1
1,3-Dinitrobenzene	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
1,4-Naphthoquinone	13	U	48	13	ug/L		09/17/17 08:37	09/20/17 23:53	1
1-Naphthylamine	3.0	U	9.6	3.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.6	0.27	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,3,4,6-Tetrachlorophenol	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,4,5-Trichlorophenol	0.43	U	9.6	0.43	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,4,6-Trichlorophenol	0.28	U	9.6	0.28	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,4-Dichlorophenol	0.61	U	9.6	0.61	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,4-Dimethylphenol	0.55	U	9.6	0.55	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,4-Dinitrophenol	9.6	U	29	9.6	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,4-Dinitrotoluene	1.6	U	9.6	1.6	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,6-Dichlorophenol	1.3	U	9.6	1.3	ug/L		09/17/17 08:37	09/20/17 23:53	1
2,6-Dinitrotoluene	1.8	U	9.6	1.8	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Acetylaminofluorene	6.7	U	96	6.7	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Chlorophenol	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Methylphenol	0.94	U	9.6	0.94	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Naphthylamine	3.0	U	9.6	3.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Nitroaniline	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/20/17 23:53	1
2-Nitrophenol	0.37	U	9.6	0.37	ug/L		09/17/17 08:37	09/20/17 23:53	1
3,3'-Dichlorobenzidine	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 23:53	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/20/17 23:53	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.6	0.24	ug/L		09/17/17 08:37	09/20/17 23:53	1
3-Nitroaniline	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
4,6-Dinitro-2-methylphenol	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Aminobiphenyl	4.3	U	48	4.3	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Bromophenyl phenyl ether	0.41	U	9.6	0.41	ug/L		09/17/17 08:37	09/20/17 23:53	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-15B
Date Collected: 09/14/17 10:22
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	2.3	U	9.6	2.3	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Chloroaniline	2.0	U	9.6	2.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Chlorophenyl phenyl ether	1.6	U	9.6	1.6	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Nitroaniline	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Nitrophenol	1.2	U	9.6	1.2	ug/L		09/17/17 08:37	09/20/17 23:53	1
4-Phenylenediamine	4.8	U J3	96	4.8	ug/L		09/17/17 08:37	09/20/17 23:53	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/20/17 23:53	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/20/17 23:53	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/20/17 23:53	1
Acenaphthylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/20/17 23:53	1
Acetophenone	0.23	U	9.6	0.23	ug/L		09/17/17 08:37	09/20/17 23:53	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/20/17 23:53	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 23:53	1
Benzo(a)pyrene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/20/17 23:53	1
Benzo(b)fluoranthene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/20/17 23:53	1
Benzo(ghi)perylene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/20/17 23:53	1
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/20/17 23:53	1
Benzyl alcohol	0.22	U	9.6	0.22	ug/L		09/17/17 08:37	09/20/17 23:53	1
Bis(2-chloroethoxy)methane	0.93	U	9.6	0.93	ug/L		09/17/17 08:37	09/20/17 23:53	1
bis(2-Chloroethyl) ether	0.39	U	9.6	0.39	ug/L		09/17/17 08:37	09/20/17 23:53	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.6	0.53	ug/L		09/17/17 08:37	09/20/17 23:53	1
Butyl benzyl phthalate	0.96	U	3.8	0.96	ug/L		09/17/17 08:37	09/20/17 23:53	1
Chlorobenzilate	0.63	U	9.6	0.63	ug/L		09/17/17 08:37	09/20/17 23:53	1
Chrysene	0.52	U	3.8	0.52	ug/L		09/17/17 08:37	09/20/17 23:53	1
Diallate	0.53	U	5.3	0.53	ug/L		09/17/17 08:37	09/20/17 23:53	1
Dibenz(a,h)anthracene	0.49	U	3.8	0.49	ug/L		09/17/17 08:37	09/20/17 23:53	1
Dibenzofuran	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 23:53	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/20/17 23:53	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		09/17/17 08:37	09/20/17 23:53	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/20/17 23:53	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		09/17/17 08:37	09/20/17 23:53	1
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/20/17 23:53	1
Diphenylamine	1.0	U	9.6	1.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
Disulfoton	1.1	U	48	1.1	ug/L		09/17/17 08:37	09/20/17 23:53	1
Ethyl methanesulfonate	0.90	U	9.6	0.90	ug/L		09/17/17 08:37	09/20/17 23:53	1
Famphur	1.5	U	96	1.5	ug/L		09/17/17 08:37	09/20/17 23:53	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/20/17 23:53	1
Fluorene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/20/17 23:53	1
Hexachlorobenzene	0.63	U	9.6	0.63	ug/L		09/17/17 08:37	09/20/17 23:53	1
Hexachlorobutadiene	3.2	U	9.6	3.2	ug/L		09/17/17 08:37	09/20/17 23:53	1
Hexachlorocyclopentadiene	9.6	U J3	48	9.6	ug/L		09/17/17 08:37	09/20/17 23:53	1
Hexachloroethane	2.0	U	9.6	2.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
Hexachloropropene	1.9	U	96	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/20/17 23:53	1
Isodrin	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/20/17 23:53	1
Isophorone	0.20	U	9.6	0.20	ug/L		09/17/17 08:37	09/20/17 23:53	1
Isosafrole	0.96	U	3.3	0.96	ug/L		09/17/17 08:37	09/20/17 23:53	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methapyrilene	19	U	48	19	ug/L		09/17/17 08:37	09/20/17 23:53	1
Methyl methanesulfonate	0.96	U	9.6	0.96	ug/L		09/17/17 08:37	09/20/17 23:53	1
Methyl parathion	3.1	U	48	3.1	ug/L		09/17/17 08:37	09/20/17 23:53	1
Naphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/20/17 23:53	1
Nitrobenzene	0.77	U	9.6	0.77	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosodiethylamine	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosodimethylamine	0.28	U	9.6	0.28	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosodi-n-butylamine	1.2	U	9.6	1.2	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosodi-n-propylamine	0.33	U	9.6	0.33	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosodiphenylamine	0.42	U	9.6	0.42	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosomethylethylamine	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosopiperidine	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
N-Nitrosopyrrolidine	0.77	U	9.6	0.77	ug/L		09/17/17 08:37	09/20/17 23:53	1
O,O,O-Triethyl phosphorothioate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
o-Toluidine	1.3	U	9.6	1.3	ug/L		09/17/17 08:37	09/20/17 23:53	1
Parathion	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Pentachlorobenzene	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Pentachloronitrobenzene	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Pentachlorophenol	19	U	48	19	ug/L		09/17/17 08:37	09/20/17 23:53	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/20/17 23:53	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/20/17 23:53	1
Phenol	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Phorate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/20/17 23:53	1
Pyrene	0.35	U	9.6	0.35	ug/L		09/17/17 08:37	09/20/17 23:53	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/20/17 23:53	1
Thionazin	0.83	U	48	0.83	ug/L		09/17/17 08:37	09/20/17 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*48 - 135*	*09/17/17 08:37*	*09/20/17 23:53*	*1*
2-Fluorobiphenyl	*77*		*48 - 135*	*09/17/17 08:37*	*09/20/17 23:53*	*1*
2-Fluorophenol	*81*		*41 - 135*	*09/17/17 08:37*	*09/20/17 23:53*	*1*
Nitrobenzene-d5	*80*		*42 - 135*	*09/17/17 08:37*	*09/20/17 23:53*	*1*
Phenol-d5	*81*		*46 - 135*	*09/17/17 08:37*	*09/20/17 23:53*	*1*
Terphenyl-d14	*70*		*20 - 135*	*09/17/17 08:37*	*09/20/17 23:53*	*1*

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/21/17 00:19	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/21/17 00:19	1
1,3,5-Trinitrobenzene	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/21/17 00:19	1
1,3-Dinitrobenzene	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
1,4-Naphthoquinone	13	U	48	13	ug/L		09/17/17 08:37	09/21/17 00:19	1
1-Naphthylamine	3.0	U	9.6	3.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.6	0.27	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,3,4,6-Tetrachlorophenol	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,4,5-Trichlorophenol	0.43	U	9.6	0.43	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,4,6-Trichlorophenol	0.28	U	9.6	0.28	ug/L		09/17/17 08:37	09/21/17 00:19	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Field Blank
Date Collected: 09/14/17 12:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	0.61	U	9.6	0.61	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,4-Dimethylphenol	0.56	U	9.6	0.56	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,4-Dinitrophenol	9.6	U	29	9.6	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,4-Dinitrotoluene	1.6	U	9.6	1.6	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,6-Dichlorophenol	1.3	U	9.6	1.3	ug/L		09/17/17 08:37	09/21/17 00:19	1
2,6-Dinitrotoluene	1.8	U	9.6	1.8	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Acetylaminofluorene	6.7	U	96	6.7	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Chlorophenol	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Methylphenol	0.94	U	9.6	0.94	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Naphthylamine	3.0	U	9.6	3.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Nitroaniline	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/21/17 00:19	1
2-Nitrophenol	0.37	U	9.6	0.37	ug/L		09/17/17 08:37	09/21/17 00:19	1
3,3'-Dichlorobenzidine	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
3,3'-Dimethylbenzidine	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/21/17 00:19	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		09/17/17 08:37	09/21/17 00:19	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.6	0.24	ug/L		09/17/17 08:37	09/21/17 00:19	1
3-Nitroaniline	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
4,6-Dinitro-2-methylphenol	3.8	U	48	3.8	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Aminobiphenyl	4.3	U	48	4.3	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Bromophenyl phenyl ether	0.41	U	9.6	0.41	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Chloro-3-methylphenol	2.3	U	9.6	2.3	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Chloroaniline	2.0	U	9.6	2.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Chlorophenyl phenyl ether	1.6	U	9.6	1.6	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Nitroaniline	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Nitrophenol	1.2	U	9.6	1.2	ug/L		09/17/17 08:37	09/21/17 00:19	1
4-Phenylenediamine	4.8	U J3	96	4.8	ug/L		09/17/17 08:37	09/21/17 00:19	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		09/17/17 08:37	09/21/17 00:19	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		09/17/17 08:37	09/21/17 00:19	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		09/17/17 08:37	09/21/17 00:19	1
Acenaphthylene	0.47	U	3.8	0.47	ug/L		09/17/17 08:37	09/21/17 00:19	1
Acetophenone	**0.66**	**I**	9.6	0.23	ug/L		09/17/17 08:37	09/21/17 00:19	1
Anthracene	0.40	U	3.8	0.40	ug/L		09/17/17 08:37	09/21/17 00:19	1
Benzo(a)anthracene	0.34	U	3.8	0.34	ug/L		09/17/17 08:37	09/21/17 00:19	1
Benzo(a)pyrene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/21/17 00:19	1
Benzo(b)fluoranthene	0.51	U	3.8	0.51	ug/L		09/17/17 08:37	09/21/17 00:19	1
Benzo(ghi)perylene	0.48	U	3.8	0.48	ug/L		09/17/17 08:37	09/21/17 00:19	1
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		09/17/17 08:37	09/21/17 00:19	1
Benzyl alcohol	0.22	U	9.6	0.22	ug/L		09/17/17 08:37	09/21/17 00:19	1
Bis(2-chloroethoxy)methane	0.93	U	9.6	0.93	ug/L		09/17/17 08:37	09/21/17 00:19	1
bis(2-Chloroethyl) ether	0.39	U	9.6	0.39	ug/L		09/17/17 08:37	09/21/17 00:19	1
Bis(2-ethylhexyl) phthalate	0.54	U	9.6	0.54	ug/L		09/17/17 08:37	09/21/17 00:19	1
Butyl benzyl phthalate	0.96	U	3.8	0.96	ug/L		09/17/17 08:37	09/21/17 00:19	1
Chlorobenzilate	0.63	U	9.6	0.63	ug/L		09/17/17 08:37	09/21/17 00:19	1
Chrysene	0.52	U	3.8	0.52	ug/L		09/17/17 08:37	09/21/17 00:19	1
Diallate	0.54	U	5.4	0.54	ug/L		09/17/17 08:37	09/21/17 00:19	1
Dibenz(a,h)anthracene	0.49	U	3.8	0.49	ug/L		09/17/17 08:37	09/21/17 00:19	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Field Blank
Date Collected: 09/14/17 12:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/21/17 00:19	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		09/17/17 08:37	09/21/17 00:19	1
Dimethoate	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
Dimethyl phthalate	**0.29**	**I**	3.8	0.20	ug/L		09/17/17 08:37	09/21/17 00:19	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		09/17/17 08:37	09/21/17 00:19	1
Di-n-octyl phthalate	0.34	U	3.8	0.34	ug/L		09/17/17 08:37	09/21/17 00:19	1
Dinoseb	3.8	U	19	3.8	ug/L		09/17/17 08:37	09/21/17 00:19	1
Diphenylamine	1.0	U	9.6	1.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
Disulfoton	1.1	U	48	1.1	ug/L		09/17/17 08:37	09/21/17 00:19	1
Ethyl methanesulfonate	0.90	U	9.6	0.90	ug/L		09/17/17 08:37	09/21/17 00:19	1
Famphur	1.5	U	96	1.5	ug/L		09/17/17 08:37	09/21/17 00:19	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		09/17/17 08:37	09/21/17 00:19	1
Fluorene	0.30	U	3.8	0.30	ug/L		09/17/17 08:37	09/21/17 00:19	1
Hexachlorobenzene	0.63	U	9.6	0.63	ug/L		09/17/17 08:37	09/21/17 00:19	1
Hexachlorobutadiene	3.2	U	9.6	3.2	ug/L		09/17/17 08:37	09/21/17 00:19	1
Hexachlorocyclopentadiene	9.6	U J3	48	9.6	ug/L		09/17/17 08:37	09/21/17 00:19	1
Hexachloroethane	2.0	U	9.6	2.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
Hexachloropropene	1.9	U	96	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		09/17/17 08:37	09/21/17 00:19	1
Isodrin	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/21/17 00:19	1
Isophorone	0.20	U	9.6	0.20	ug/L		09/17/17 08:37	09/21/17 00:19	1
Isosafrole	0.96	U	3.4	0.96	ug/L		09/17/17 08:37	09/21/17 00:19	1
Methapyrilene	19	U	48	19	ug/L		09/17/17 08:37	09/21/17 00:19	1
Methyl methanesulfonate	0.96	U	9.6	0.96	ug/L		09/17/17 08:37	09/21/17 00:19	1
Methyl parathion	3.1	U	48	3.1	ug/L		09/17/17 08:37	09/21/17 00:19	1
Naphthalene	0.28	U	3.8	0.28	ug/L		09/17/17 08:37	09/21/17 00:19	1
Nitrobenzene	0.78	U	9.6	0.78	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosodiethylamine	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosodimethylamine	0.28	U	9.6	0.28	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosodi-n-butylamine	1.2	U	9.6	1.2	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosodi-n-propylamine	0.34	U	9.6	0.34	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosodiphenylamine	0.42	U	9.6	0.42	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosomethylethylamine	1.7	U	9.6	1.7	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosopiperidine	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
N-Nitrosopyrrolidine	0.77	U	9.6	0.77	ug/L		09/17/17 08:37	09/21/17 00:19	1
O,O,O-Triethyl phosphorothioate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
o-Toluidine	1.3	U	9.6	1.3	ug/L		09/17/17 08:37	09/21/17 00:19	1
Parathion	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Pentachlorobenzene	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Pentachloronitrobenzene	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Pentachlorophenol	19	U	48	19	ug/L		09/17/17 08:37	09/21/17 00:19	1
Phenacetin	1.0	U	19	1.0	ug/L		09/17/17 08:37	09/21/17 00:19	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		09/17/17 08:37	09/21/17 00:19	1
Phenol	1.9	U	9.6	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Phorate	1.9	U	48	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Pronamide	1.9	U	19	1.9	ug/L		09/17/17 08:37	09/21/17 00:19	1
Pyrene	0.35	U	9.6	0.35	ug/L		09/17/17 08:37	09/21/17 00:19	1
Safrole	1.1	U	19	1.1	ug/L		09/17/17 08:37	09/21/17 00:19	1
Thionazin	0.83	U	48	0.83	ug/L		09/17/17 08:37	09/21/17 00:19	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		48 - 135	09/17/17 08:37	09/21/17 00:19	1
2-Fluorobiphenyl	84		48 - 135	09/17/17 08:37	09/21/17 00:19	1
2-Fluorophenol	86		41 - 135	09/17/17 08:37	09/21/17 00:19	1
Nitrobenzene-d5	85		42 - 135	09/17/17 08:37	09/21/17 00:19	1
Phenol-d5	85		46 - 135	09/17/17 08:37	09/21/17 00:19	1
Terphenyl-d14	95		20 - 135	09/17/17 08:37	09/21/17 00:19	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0038	U	0.020	0.0038	ug/L		09/27/17 11:59	09/28/17 12:46	1
1,2-Dibromo-3-Chloropropane	0.0069	U	0.020	0.0069	ug/L		09/27/17 11:59	09/28/17 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	106		70 - 130	09/27/17 11:59	09/28/17 12:46	1

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0038	U	0.021	0.0038	ug/L		09/27/17 11:59	09/28/17 13:05	1
1,2-Dibromo-3-Chloropropane	0.0070	U	0.021	0.0070	ug/L		09/27/17 11:59	09/28/17 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	111		70 - 130	09/27/17 11:59	09/28/17 13:05	1

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0038	U	0.020	0.0038	ug/L		09/27/17 11:59	09/28/17 13:24	1
1,2-Dibromo-3-Chloropropane	0.0069	U	0.020	0.0069	ug/L		09/27/17 11:59	09/28/17 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	114		70 - 130	09/27/17 11:59	09/28/17 13:24	1

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0038	U	0.020	0.0038	ug/L		09/27/17 11:59	09/28/17 13:43	1
1,2-Dibromo-3-Chloropropane	0.0069	U	0.020	0.0069	ug/L		09/27/17 11:59	09/28/17 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	114		70 - 130	09/27/17 11:59	09/28/17 13:43	1

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: MW-9A
Date Collected: 09/14/17 08:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 17:34	1
4,4'-DDE	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 17:34	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 17:34	1
Aldrin	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 17:34	1
alpha-BHC	0.0051	U	0.048	0.0051	ug/L		09/20/17 11:16	09/21/17 17:34	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 17:34	1
delta-BHC	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 17:34	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 17:34	1
Endosulfan I	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 17:34	1
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 17:34	1
Endosulfan sulfate	0.0054	U	0.048	0.0054	ug/L		09/20/17 11:16	09/21/17 17:34	1
Endrin	0.0075	U	0.048	0.0075	ug/L		09/20/17 11:16	09/21/17 17:34	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 17:34	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 17:34	1
Heptachlor	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 17:34	1
Heptachlor epoxide	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 17:34	1
Kepone	0.33	U	0.95	0.33	ug/L		09/20/17 11:16	09/21/17 17:34	1
Methoxychlor	0.012	U	0.095	0.012	ug/L		09/20/17 11:16	09/21/17 17:34	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 17:34	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*34 - 122*	*09/20/17 11:16*	*09/21/17 17:34*	*1*
Tetrachloro-m-xylene	*45*		*28 - 115*	*09/20/17 11:16*	*09/21/17 17:34*	*1*

Client Sample ID: MW-9B
Date Collected: 09/14/17 07:20
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 17:52	1
4,4'-DDE	0.0071	U	0.048	0.0071	ug/L		09/20/17 11:16	09/21/17 17:52	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 17:52	1
Aldrin	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 17:52	1
alpha-BHC	0.0050	U	0.048	0.0050	ug/L		09/20/17 11:16	09/21/17 17:52	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 17:52	1
delta-BHC	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 17:52	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 17:52	1
Endosulfan I	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 17:52	1
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 17:52	1
Endosulfan sulfate	0.0054	U	0.048	0.0054	ug/L		09/20/17 11:16	09/21/17 17:52	1
Endrin	0.0075	U	0.048	0.0075	ug/L		09/20/17 11:16	09/21/17 17:52	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 17:52	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 17:52	1
Heptachlor	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 17:52	1
Heptachlor epoxide	0.0071	U	0.048	0.0071	ug/L		09/20/17 11:16	09/21/17 17:52	1
Kepone	0.33	U	0.95	0.33	ug/L		09/20/17 11:16	09/21/17 17:52	1
Methoxychlor	0.012	U	0.095	0.012	ug/L		09/20/17 11:16	09/21/17 17:52	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 17:52	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 17:52	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		34 - 122	09/20/17 11:16	09/21/17 17:52	1
Tetrachloro-m-xylene	45		28 - 115	09/20/17 11:16	09/21/17 17:52	1

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 18:10	1
4,4'-DDE	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 18:10	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 18:10	1
Aldrin	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 18:10	1
alpha-BHC	0.0051	U	0.048	0.0051	ug/L		09/20/17 11:16	09/21/17 18:10	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 18:10	1
delta-BHC	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 18:10	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 18:10	1
Endosulfan I	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 18:10	1
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 18:10	1
Endosulfan sulfate	0.0054	U	0.048	0.0054	ug/L		09/20/17 11:16	09/21/17 18:10	1
Endrin	0.0075	U	0.048	0.0075	ug/L		09/20/17 11:16	09/21/17 18:10	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 18:10	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 18:10	1
Heptachlor	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 18:10	1
Heptachlor epoxide	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 18:10	1
Kepone	0.33	U	0.95	0.33	ug/L		09/20/17 11:16	09/21/17 18:10	1
Methoxychlor	0.012	U	0.095	0.012	ug/L		09/20/17 11:16	09/21/17 18:10	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 18:10	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39		34 - 122	09/20/17 11:16	09/21/17 18:10	1
Tetrachloro-m-xylene	55		28 - 115	09/20/17 11:16	09/21/17 18:10	1

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 18:28	1
4,4'-DDE	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 18:28	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 18:28	1
Aldrin	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 18:28	1
alpha-BHC	0.0051	U	0.048	0.0051	ug/L		09/20/17 11:16	09/21/17 18:28	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 18:28	1
delta-BHC	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 18:28	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 18:28	1
Endosulfan I	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 18:28	1
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 18:28	1
Endosulfan sulfate	0.0054	U	0.048	0.0054	ug/L		09/20/17 11:16	09/21/17 18:28	1
Endrin	0.0075	U	0.048	0.0075	ug/L		09/20/17 11:16	09/21/17 18:28	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 18:28	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 18:28	1
Heptachlor	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 18:28	1
Heptachlor epoxide	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 18:28	1
Kepone	0.33	U	0.95	0.33	ug/L		09/20/17 11:16	09/21/17 18:28	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.012	U	0.095	0.012	ug/L		09/20/17 11:16	09/21/17 18:28	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 18:28	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*34 - 122*	*09/20/17 11:16*	*09/21/17 18:28*	*1*
Tetrachloro-m-xylene	*56*		*28 - 115*	*09/20/17 11:16*	*09/21/17 18:28*	*1*

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.048	0.0074	ug/L		09/20/17 11:16	09/21/17 18:46	1
4,4'-DDE	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 18:46	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 18:46	1
Aldrin	0.0057	U	0.048	0.0057	ug/L		09/20/17 11:16	09/21/17 18:46	1
alpha-BHC	0.0051	U	0.048	0.0051	ug/L		09/20/17 11:16	09/21/17 18:46	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 18:46	1
delta-BHC	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 18:46	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 18:46	1
Endosulfan I	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 18:46	1
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 18:46	1
Endosulfan sulfate	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 18:46	1
Endrin	0.0076	U	0.048	0.0076	ug/L		09/20/17 11:16	09/21/17 18:46	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 18:46	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 18:46	1
Heptachlor	0.0074	U	0.048	0.0074	ug/L		09/20/17 11:16	09/21/17 18:46	1
Heptachlor epoxide	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 18:46	1
Kepone	0.33	U	0.96	0.33	ug/L		09/20/17 11:16	09/21/17 18:46	1
Methoxychlor	0.012	U	0.096	0.012	ug/L		09/20/17 11:16	09/21/17 18:46	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 18:46	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*34 - 122*	*09/20/17 11:16*	*09/21/17 18:46*	*1*
Tetrachloro-m-xylene	*40*		*28 - 115*	*09/20/17 11:16*	*09/21/17 18:46*	*1*

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 19:04	1
4,4'-DDE	0.0071	U	0.048	0.0071	ug/L		09/20/17 11:16	09/21/17 19:04	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 19:04	1
Aldrin	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 19:04	1
alpha-BHC	0.0050	U	0.048	0.0050	ug/L		09/20/17 11:16	09/21/17 19:04	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 19:04	1
delta-BHC	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 19:04	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 19:04	1
Endosulfan I	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 19:04	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 19:04	1
Endosulfan sulfate	0.0054	U	0.048	0.0054	ug/L		09/20/17 11:16	09/21/17 19:04	1
Endrin	0.0075	U	0.048	0.0075	ug/L		09/20/17 11:16	09/21/17 19:04	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 19:04	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 19:04	1
Heptachlor	0.0073	U	0.048	0.0073	ug/L		09/20/17 11:16	09/21/17 19:04	1
Heptachlor epoxide	0.0071	U	0.048	0.0071	ug/L		09/20/17 11:16	09/21/17 19:04	1
Kepone	0.33	U	0.95	0.33	ug/L		09/20/17 11:16	09/21/17 19:04	1
Methoxychlor	0.012	U	0.095	0.012	ug/L		09/20/17 11:16	09/21/17 19:04	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 19:04	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*34 - 122*	*09/20/17 11:16*	*09/21/17 19:04*	*1*
Tetrachloro-m-xylene	*48*		*28 - 115*	*09/20/17 11:16*	*09/21/17 19:04*	*1*

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.048	0.0074	ug/L		09/20/17 11:16	09/21/17 19:22	1
4,4'-DDE	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 19:22	1
4,4'-DDT	0.014	U	0.048	0.014	ug/L		09/20/17 11:16	09/21/17 19:22	1
Aldrin	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 19:22	1
alpha-BHC	0.0051	U	0.048	0.0051	ug/L		09/20/17 11:16	09/21/17 19:22	1
beta-BHC	0.0083	U	0.048	0.0083	ug/L		09/20/17 11:16	09/21/17 19:22	1
delta-BHC	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 19:22	1
Dieldrin	0.0060	U	0.048	0.0060	ug/L		09/20/17 11:16	09/21/17 19:22	1
Endosulfan I	0.0056	U	0.048	0.0056	ug/L		09/20/17 11:16	09/21/17 19:22	1
Endosulfan II	0.0067	U	0.048	0.0067	ug/L		09/20/17 11:16	09/21/17 19:22	1
Endosulfan sulfate	0.0055	U	0.048	0.0055	ug/L		09/20/17 11:16	09/21/17 19:22	1
Endrin	0.0076	U	0.048	0.0076	ug/L		09/20/17 11:16	09/21/17 19:22	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/20/17 11:16	09/21/17 19:22	1
gamma-BHC (Lindane)	0.0066	U	0.048	0.0066	ug/L		09/20/17 11:16	09/21/17 19:22	1
Heptachlor	0.0074	U	0.048	0.0074	ug/L		09/20/17 11:16	09/21/17 19:22	1
Heptachlor epoxide	0.0072	U	0.048	0.0072	ug/L		09/20/17 11:16	09/21/17 19:22	1
Kepone	0.33	U	0.96	0.33	ug/L		09/20/17 11:16	09/21/17 19:22	1
Methoxychlor	0.012	U	0.096	0.012	ug/L		09/20/17 11:16	09/21/17 19:22	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/20/17 11:16	09/21/17 19:22	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/20/17 11:16	09/21/17 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*34 - 122*	*09/20/17 11:16*	*09/21/17 19:22*	*1*
Tetrachloro-m-xylene	*59*		*28 - 115*	*09/20/17 11:16*	*09/21/17 19:22*	*1*

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.049	0.0076	ug/L		09/20/17 11:16	09/21/17 19:40	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0074	U	0.049	0.0074	ug/L		09/20/17 11:16	09/21/17 19:40	1
4,4'-DDT	0.015	U	0.049	0.015	ug/L		09/20/17 11:16	09/21/17 19:40	1
Aldrin	0.0058	U	0.049	0.0058	ug/L		09/20/17 11:16	09/21/17 19:40	1
alpha-BHC	0.0052	U	0.049	0.0052	ug/L		09/20/17 11:16	09/21/17 19:40	1
beta-BHC	0.0086	U	0.049	0.0086	ug/L		09/20/17 11:16	09/21/17 19:40	1
delta-BHC	0.0057	U	0.049	0.0057	ug/L		09/20/17 11:16	09/21/17 19:40	1
Dieldrin	0.0062	U	0.049	0.0062	ug/L		09/20/17 11:16	09/21/17 19:40	1
Endosulfan I	0.0057	U	0.049	0.0057	ug/L		09/20/17 11:16	09/21/17 19:40	1
Endosulfan II	0.0069	U	0.049	0.0069	ug/L		09/20/17 11:16	09/21/17 19:40	1
Endosulfan sulfate	0.0056	U	0.049	0.0056	ug/L		09/20/17 11:16	09/21/17 19:40	1
Endrin	0.0078	U	0.049	0.0078	ug/L		09/20/17 11:16	09/21/17 19:40	1
Endrin aldehyde	0.0087	U	0.049	0.0087	ug/L		09/20/17 11:16	09/21/17 19:40	1
gamma-BHC (Lindane)	0.0068	U	0.049	0.0068	ug/L		09/20/17 11:16	09/21/17 19:40	1
Heptachlor	0.0076	U	0.049	0.0076	ug/L		09/20/17 11:16	09/21/17 19:40	1
Heptachlor epoxide	0.0074	U	0.049	0.0074	ug/L		09/20/17 11:16	09/21/17 19:40	1
Kepone	0.34	U	0.99	0.34	ug/L		09/20/17 11:16	09/21/17 19:40	1
Methoxychlor	0.013	U	0.099	0.013	ug/L		09/20/17 11:16	09/21/17 19:40	1
Toxaphene	0.36	U	2.0	0.36	ug/L		09/20/17 11:16	09/21/17 19:40	1
Technical Chlordane	0.14	U	0.49	0.14	ug/L		09/20/17 11:16	09/21/17 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*34 - 122*	*09/20/17 11:16*	*09/21/17 19:40*	*1*
Tetrachloro-m-xylene	*49*		*28 - 115*	*09/20/17 11:16*	*09/21/17 19:40*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.95	0.12	ug/L		09/20/17 11:16	09/21/17 14:53	1
Aroclor 1221	0.20	U	0.95	0.20	ug/L		09/20/17 11:16	09/21/17 14:53	1
Aroclor 1232	0.16	U	0.95	0.16	ug/L		09/20/17 11:16	09/21/17 14:53	1
Aroclor 1242	0.099	U	0.95	0.099	ug/L		09/20/17 11:16	09/21/17 14:53	1
Aroclor 1248	0.087	U	0.95	0.087	ug/L		09/20/17 11:16	09/21/17 14:53	1
Aroclor 1254	0.11	U	0.95	0.11	ug/L		09/20/17 11:16	09/21/17 14:53	1
Aroclor 1260	0.15	U	0.95	0.15	ug/L		09/20/17 11:16	09/21/17 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*30 - 136*	*09/20/17 11:16*	*09/21/17 14:53*	*1*
Tetrachloro-m-xylene	*57*		*25 - 120*	*09/20/17 11:16*	*09/21/17 14:53*	*1*

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.95	0.12	ug/L		09/20/17 11:16	09/21/17 15:14	1
Aroclor 1221	0.20	U	0.95	0.20	ug/L		09/20/17 11:16	09/21/17 15:14	1
Aroclor 1232	0.16	U	0.95	0.16	ug/L		09/20/17 11:16	09/21/17 15:14	1
Aroclor 1242	0.099	U	0.95	0.099	ug/L		09/20/17 11:16	09/21/17 15:14	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.087	U	0.95	0.087	ug/L		09/20/17 11:16	09/21/17 15:14	1
Aroclor 1254	0.11	U	0.95	0.11	ug/L		09/20/17 11:16	09/21/17 15:14	1
Aroclor 1260	0.15	U	0.95	0.15	ug/L		09/20/17 11:16	09/21/17 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*30 - 136*	*09/20/17 11:16*	*09/21/17 15:14*	*1*
Tetrachloro-m-xylene	*68*		*25 - 120*	*09/20/17 11:16*	*09/21/17 15:14*	*1*

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.95	0.12	ug/L		09/20/17 11:16	09/21/17 15:36	1
Aroclor 1221	0.20	U	0.95	0.20	ug/L		09/20/17 11:16	09/21/17 15:36	1
Aroclor 1232	0.16	U	0.95	0.16	ug/L		09/20/17 11:16	09/21/17 15:36	1
Aroclor 1242	0.099	U	0.95	0.099	ug/L		09/20/17 11:16	09/21/17 15:36	1
Aroclor 1248	0.087	U	0.95	0.087	ug/L		09/20/17 11:16	09/21/17 15:36	1
Aroclor 1254	0.11	U	0.95	0.11	ug/L		09/20/17 11:16	09/21/17 15:36	1
Aroclor 1260	0.15	U	0.95	0.15	ug/L		09/20/17 11:16	09/21/17 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*30 - 136*	*09/20/17 11:16*	*09/21/17 15:36*	*1*
Tetrachloro-m-xylene	*71*		*25 - 120*	*09/20/17 11:16*	*09/21/17 15:36*	*1*

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.95	0.12	ug/L		09/20/17 11:16	09/21/17 15:58	1
Aroclor 1221	0.20	U	0.95	0.20	ug/L		09/20/17 11:16	09/21/17 15:58	1
Aroclor 1232	0.16	U	0.95	0.16	ug/L		09/20/17 11:16	09/21/17 15:58	1
Aroclor 1242	0.099	U	0.95	0.099	ug/L		09/20/17 11:16	09/21/17 15:58	1
Aroclor 1248	0.087	U	0.95	0.087	ug/L		09/20/17 11:16	09/21/17 15:58	1
Aroclor 1254	0.11	U	0.95	0.11	ug/L		09/20/17 11:16	09/21/17 15:58	1
Aroclor 1260	0.15	U	0.95	0.15	ug/L		09/20/17 11:16	09/21/17 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*30 - 136*	*09/20/17 11:16*	*09/21/17 15:58*	*1*
Tetrachloro-m-xylene	*83*		*25 - 120*	*09/20/17 11:16*	*09/21/17 15:58*	*1*

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.96	0.12	ug/L		09/20/17 11:16	09/21/17 16:20	1
Aroclor 1221	0.21	U	0.96	0.21	ug/L		09/20/17 11:16	09/21/17 16:20	1
Aroclor 1232	0.16	U	0.96	0.16	ug/L		09/20/17 11:16	09/21/17 16:20	1
Aroclor 1242	0.10	U	0.96	0.10	ug/L		09/20/17 11:16	09/21/17 16:20	1
Aroclor 1248	0.088	U	0.96	0.088	ug/L		09/20/17 11:16	09/21/17 16:20	1
Aroclor 1254	0.11	U	0.96	0.11	ug/L		09/20/17 11:16	09/21/17 16:20	1
Aroclor 1260	0.15	U	0.96	0.15	ug/L		09/20/17 11:16	09/21/17 16:20	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		30 - 136	09/20/17 11:16	09/21/17 16:20	1
Tetrachloro-m-xylene	55		25 - 120	09/20/17 11:16	09/21/17 16:20	1

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.95	0.12	ug/L		09/20/17 11:16	09/21/17 16:42	1
Aroclor 1221	0.20	U	0.95	0.20	ug/L		09/20/17 11:16	09/21/17 16:42	1
Aroclor 1232	0.16	U	0.95	0.16	ug/L		09/20/17 11:16	09/21/17 16:42	1
Aroclor 1242	0.099	U	0.95	0.099	ug/L		09/20/17 11:16	09/21/17 16:42	1
Aroclor 1248	0.087	U	0.95	0.087	ug/L		09/20/17 11:16	09/21/17 16:42	1
Aroclor 1254	0.11	U	0.95	0.11	ug/L		09/20/17 11:16	09/21/17 16:42	1
Aroclor 1260	0.15	U	0.95	0.15	ug/L		09/20/17 11:16	09/21/17 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		30 - 136	09/20/17 11:16	09/21/17 16:42	1
Tetrachloro-m-xylene	69		25 - 120	09/20/17 11:16	09/21/17 16:42	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.96	0.12	ug/L		09/20/17 11:16	09/21/17 17:04	1
Aroclor 1221	0.20	U	0.96	0.20	ug/L		09/20/17 11:16	09/21/17 17:04	1
Aroclor 1232	0.16	U	0.96	0.16	ug/L		09/20/17 11:16	09/21/17 17:04	1
Aroclor 1242	0.10	U	0.96	0.10	ug/L		09/20/17 11:16	09/21/17 17:04	1
Aroclor 1248	0.088	U	0.96	0.088	ug/L		09/20/17 11:16	09/21/17 17:04	1
Aroclor 1254	0.11	U	0.96	0.11	ug/L		09/20/17 11:16	09/21/17 17:04	1
Aroclor 1260	0.15	U	0.96	0.15	ug/L		09/20/17 11:16	09/21/17 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		30 - 136	09/20/17 11:16	09/21/17 17:04	1
Tetrachloro-m-xylene	72		25 - 120	09/20/17 11:16	09/21/17 17:04	1

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.99	0.12	ug/L		09/20/17 11:16	09/21/17 17:25	1
Aroclor 1221	0.21	U	0.99	0.21	ug/L		09/20/17 11:16	09/21/17 17:25	1
Aroclor 1232	0.16	U	0.99	0.16	ug/L		09/20/17 11:16	09/21/17 17:25	1
Aroclor 1242	0.10	U	0.99	0.10	ug/L		09/20/17 11:16	09/21/17 17:25	1
Aroclor 1248	0.090	U	0.99	0.090	ug/L		09/20/17 11:16	09/21/17 17:25	1
Aroclor 1254	0.11	U	0.99	0.11	ug/L		09/20/17 11:16	09/21/17 17:25	1
Aroclor 1260	0.16	U	0.99	0.16	ug/L		09/20/17 11:16	09/21/17 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		30 - 136	09/20/17 11:16	09/21/17 17:25	1
Tetrachloro-m-xylene	65		25 - 120	09/20/17 11:16	09/21/17 17:25	1

Method: 8151A - Herbicides (GC)

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 02:10	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 02:10	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*39 - 135*	*09/19/17 13:12*	*09/21/17 02:10*	*1*

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 02:37	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 02:37	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*93*		*39 - 135*	*09/19/17 13:12*	*09/21/17 02:37*	*1*

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 03:05	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 03:05	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*76*		*39 - 135*	*09/19/17 13:12*	*09/21/17 03:05*	*1*

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 03:32	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 03:32	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*39 - 135*	*09/19/17 13:12*	*09/21/17 03:32*	*1*

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 03:59	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 03:59	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*39 - 135*	*09/19/17 13:12*	*09/21/17 03:59*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 04:26	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 04:26	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*39 - 135*	*09/19/17 13:12*	*09/21/17 04:26*	*1*

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/19/17 13:12	09/21/17 04:53	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/19/17 13:12	09/21/17 04:53	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/19/17 13:12	09/21/17 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*39 - 135*	*09/19/17 13:12*	*09/21/17 04:53*	*1*

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.9	0.20	ug/L		09/19/17 13:12	09/21/17 05:21	1
2,4,5-T	0.19	U	0.98	0.19	ug/L		09/19/17 13:12	09/21/17 05:21	1
2,4,5-TP (Silvex)	0.17	U	0.98	0.17	ug/L		09/19/17 13:12	09/21/17 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*39 - 135*	*09/19/17 13:12*	*09/21/17 05:21*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**6.0**	**I**	10	0.82	ug/L		09/19/17 07:35	09/19/17 21:29	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:29	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:29	1
Chromium	**3.5**	**I**	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:29	1
Copper	**6.3**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:29	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:29	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:29	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:14	1
Iron	**130**		100	22	ug/L		09/19/17 07:35	09/19/17 21:29	1
Vanadium	**1.8**	**I**	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:29	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:14	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:29	1
Sodium	**4.3**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:29	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:29	1

Client Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**16**		10	0.82	ug/L		09/19/17 07:35	09/19/17 21:39	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:39	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:39	1
Chromium	**1.0**	**I**	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:39	1
Copper	**6.5**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:39	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:39	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:39	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:24	1
Iron	**190**		100	22	ug/L		09/19/17 07:35	09/19/17 21:39	1
Vanadium	1.1	U	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:39	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:24	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:39	1
Sodium	**15**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:39	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:39	1

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**18**		10	0.82	ug/L		09/19/17 07:35	09/19/17 21:41	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:41	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:41	1
Chromium	**3.7**	**I**	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:41	1
Copper	**7.0**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:41	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:41	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:41	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:37	1
Iron	**330**		100	22	ug/L		09/19/17 07:35	09/19/17 21:41	1
Vanadium	**2.8**	**I**	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:41	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:37	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:41	1
Sodium	**8.6**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:41	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:41	1

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**10**		10	0.82	ug/L		09/19/17 07:35	09/19/17 21:44	1
Cadmium	**0.50**	**I**	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:44	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:44	1
Chromium	0.66	U	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:44	1
Copper	**8.1**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:44	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:44	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:44	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:40	1
Iron	**95**	**I**	100	22	ug/L		09/19/17 07:35	09/19/17 21:44	1
Vanadium	**1.5**	**I**	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:44	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:40	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:44	1

Method: 6010B - Metals (ICP) - Total Recoverable (Continued)

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**14**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:44	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:44	1

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**14**		10	0.82	ug/L		09/19/17 07:35	09/19/17 21:47	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:47	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:47	1
Chromium	**1.0**	**I**	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:47	1
Copper	**5.2**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:47	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:47	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:47	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:42	1
Iron	**130**		100	22	ug/L		09/19/17 07:35	09/19/17 21:47	1
Vanadium	**1.2**	**I**	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:47	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:42	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:47	1
Sodium	**5.0**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:47	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:47	1

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**270**		10	0.82	ug/L		09/19/17 07:35	09/19/17 21:49	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:49	1
Cobalt	**2.3**	**I**	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:49	1
Chromium	**5.0**	**I**	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:49	1
Copper	**6.8**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:49	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:49	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:49	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:45	1
Iron	**45**	**I**	100	22	ug/L		09/19/17 07:35	09/19/17 21:49	1
Vanadium	1.1	U	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:49	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:45	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:49	1
Sodium	**6.7**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:49	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:49	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**22**		10	0.82	ug/L		09/19/17 07:35	09/19/17 21:52	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:52	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:52	1
Chromium	**3.9**	**I**	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:52	1
Copper	**6.8**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:52	1

Method: 6010B - Metals (ICP) - Total Recoverable (Continued)

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:52	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:52	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:47	1
Iron	**510**		100	22	ug/L		09/19/17 07:35	09/19/17 21:52	1
Vanadium	**2.4**	**I**	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:52	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:47	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:52	1
Sodium	**3.1**		1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:52	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:52	1

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.82	U	10	0.82	ug/L		09/19/17 07:35	09/19/17 22:05	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 22:05	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 22:05	1
Chromium	0.66	U	10	0.66	ug/L		09/19/17 07:35	09/19/17 22:05	1
Copper	**5.6**	**I V**	15	4.2	ug/L		09/19/17 07:35	09/19/17 22:05	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 22:05	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 22:05	1
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:50	1
Iron	22	U	100	22	ug/L		09/19/17 07:35	09/19/17 22:05	1
Vanadium	1.1	U	10	1.1	ug/L		09/19/17 07:35	09/19/17 22:05	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:50	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 22:05	1
Sodium	**0.12**	**I V**	1.0	0.12	mg/L		09/19/17 07:35	09/19/17 22:05	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 22:05	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:12	1
Arsenic	**0.40**	**I**	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:12	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:12	1
Thallium	0.050	U	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:12	1

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:16	1
Arsenic	**1.7**	**I**	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:16	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:16	1
Thallium	**0.089**	**I**	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:16	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:42	1
Arsenic	**0.69**	**I**	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:42	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:42	1
Thallium	**0.41**	**I**	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:42	1

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.67**	**I**	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:46	1
Arsenic	**8.9**		5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:46	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:46	1
Thallium	**0.10**	**I**	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:46	1

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:50	1
Arsenic	**1.0**	**I**	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:50	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:50	1
Thallium	**0.091**	**I**	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:50	1

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:54	1
Arsenic	0.33	U	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:54	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:54	1
Thallium	**0.087**	**I**	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:54	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:57	1
Arsenic	0.33	U	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:57	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:57	1
Thallium	**0.064**	**I**	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:57	1

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 16:01	1
Arsenic	0.33	U	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 16:01	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 16:01	1
Thallium	0.050	U	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 16:01	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:26	1

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:28	1

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:31	1

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:33	1

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 18:13	1

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:35	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:37	1

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:39	1

General Chemistry

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.4**		3.0	0.25	mg/L			09/15/17 19:05	1

General Chemistry (Continued)

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.70**		0.50	0.042	mg/L			09/15/17 19:05	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:34	1
Ammonia as N	**0.033**	**I**	0.10	0.022	mg/L			09/17/17 17:34	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**110**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		3.0	0.25	mg/L			09/15/17 20:12	1
Nitrate as N	0.042	U	0.50	0.042	mg/L			09/15/17 20:12	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:36	1
Ammonia as N	**0.086**	**I**	0.10	0.022	mg/L			09/17/17 17:36	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**260**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10**		3.0	0.25	mg/L			09/15/17 20:29	1
Nitrate as N	**13**		1.0	0.084	mg/L			09/16/17 07:04	2
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:37	1
Ammonia as N	**0.028**	**I**	0.10	0.022	mg/L			09/17/17 17:38	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**230**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		3.0	0.25	mg/L			09/15/17 20:46	1
Nitrate as N	0.042	U	0.50	0.042	mg/L			09/15/17 20:46	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:42	1
Ammonia as N	**0.10**		0.10	0.022	mg/L			09/17/17 17:40	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**260**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.2**		3.0	0.25	mg/L			09/16/17 14:19	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:51	1
Ammonia as N	0.022	U	0.10	0.022	mg/L			09/17/17 17:42	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**100**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

General Chemistry

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.9**		3.0	0.25	mg/L			09/15/17 21:03	1
Nitrate as N	**0.45**	**I**	0.50	0.042	mg/L			09/15/17 21:03	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:52	1
Ammonia as N	0.022	U	0.10	0.022	mg/L			09/17/17 17:44	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**80**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample ID: MW-15A — **Lab Sample ID: 280-101239-7**
Date Collected: 09/14/17 11:24 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.022	U	0.10	0.022	mg/L			09/17/17 17:46	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.5**		3.0	0.25	mg/L			09/15/17 21:19	1
Nitrate as N	**3.9**		0.50	0.042	mg/L			09/15/17 21:19	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:54	1
Ammonia as N	0.022	U	0.10	0.022	mg/L			09/17/17 18:02	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	**87**		10	4.7	mg/L			09/19/17 12:02	1

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	3.0	0.25	mg/L			09/15/17 22:10	1
Nitrate as N	0.042	U	0.50	0.042	mg/L			09/15/17 22:10	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:55	1
Ammonia as N	**0.022**	**I**	0.10	0.022	mg/L			09/17/17 18:04	1
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1
Total Dissolved Solids	4.7	U	10	4.7	mg/L			09/19/17 12:02	1

Method: Field Sampling - Field Sampling

Client Sample ID: MW-9A — **Lab Sample ID: 280-101239-1**
Date Collected: 09/14/17 08:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.40**				SU			09/14/17 06:30	1
Field Conductivity	**148**				umhos/cm			09/14/17 06:30	1
Field Temperature	**24.4**				Degrees C			09/14/17 06:30	1
Field Turbidity	**2.51**				NTU			09/14/17 06:30	1
Field Dissolved Oxygen	**2.0**				mg/L			09/14/17 06:30	1
Field Color	**None**				No Unit			09/14/17 06:30	1

Method: Field Sampling - Field Sampling

Client Sample ID: MW-9B — **Lab Sample ID: 280-101239-2**
Date Collected: 09/14/17 07:20 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.37				SU			09/14/17 05:20	1
Field Conductivity	410				umhos/cm			09/14/17 05:20	1
Field Temperature	23.7				Degrees C			09/14/17 05:20	1
Field Turbidity	4.33				NTU			09/14/17 05:20	1
Field Dissolved Oxygen	0.1				mg/L			09/14/17 05:20	1
Field Color	None				No Unit			09/14/17 05:20	1

Client Sample ID: MW-11A — **Lab Sample ID: 280-101239-3**
Date Collected: 09/14/17 10:40 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.62				SU			09/14/17 08:40	1
Field Conductivity	390				umhos/cm			09/14/17 08:40	1
Field Temperature	24.3				Degrees C			09/14/17 08:40	1
Field Turbidity	15.98				NTU			09/14/17 08:40	1
Field Dissolved Oxygen	2.8				mg/L			09/14/17 08:40	1
Field Color	None				No Unit			09/14/17 08:40	1

Client Sample ID: MW-11B — **Lab Sample ID: 280-101239-4**
Date Collected: 09/14/17 09:35 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.58				SU			09/14/17 07:35	1
Field Conductivity	438				umhos/cm			09/14/17 07:35	1
Field Temperature	24.7				Degrees C			09/14/17 07:35	1
Field Turbidity	7.99				NTU			09/14/17 07:35	1
Field Dissolved Oxygen	0.2				mg/L			09/14/17 07:35	1
Field Color	None				No Unit			09/14/17 07:35	1

Client Sample ID: MW-14A — **Lab Sample ID: 280-101239-5**
Date Collected: 09/14/17 08:39 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.23				SU			09/14/17 06:39	1
Field Conductivity	132				umhos/cm			09/14/17 06:39	1
Field Temperature	25.3				Degrees C			09/14/17 06:39	1
Field Turbidity	9.69				NTU			09/14/17 06:39	1
Field Dissolved Oxygen	2.1				mg/L			09/14/17 06:39	1
Field Color	Very Lt. Tan				No Unit			09/14/17 06:39	1

Client Sample ID: MW-14B — **Lab Sample ID: 280-101239-6**
Date Collected: 09/14/17 07:52 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.70				SU			09/14/17 05:52	1
Field Conductivity	175				umhos/cm			09/14/17 05:52	1
Field Temperature	24.2				Degrees C			09/14/17 05:52	1
Field Turbidity	2.78				NTU			09/14/17 05:52	1
Field Dissolved Oxygen	0.2				mg/L			09/14/17 05:52	1
Field Color	None				No Unit			09/14/17 05:52	1

Client Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-15A — **Lab Sample ID: 280-101239-7**
Date Collected: 09/14/17 11:24 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.49				SU			09/14/17 09:24	1
Field Conductivity	59				umhos/cm			09/14/17 09:24	1
Field Temperature	25.6				Degrees C			09/14/17 09:24	1
Field Turbidity	4.33				NTU			09/14/17 09:24	1
Field Dissolved Oxygen	3.1				mg/L			09/14/17 09:24	1
Field Color	None				No Unit			09/14/17 09:24	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101239-8**
Date Collected: 09/14/17 10:22 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.81				SU			09/14/17 08:22	1
Field Conductivity	117				umhos/cm			09/14/17 08:22	1
Field Temperature	26.2				Degrees C			09/14/17 08:22	1
Field Turbidity	9.17				NTU			09/14/17 08:22	1
Field Dissolved Oxygen	2.3				mg/L			09/14/17 08:22	1
Field Color	None				No Unit			09/14/17 08:22	1

Client Sample ID: Field Blank — **Lab Sample ID: 280-101239-9**
Date Collected: 09/14/17 12:30 — **Matrix: Water**
Date Received: 09/15/17 10:00

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.81				SU			09/14/17 10:30	1
Field Conductivity	7				umhos/cm			09/14/17 10:30	1
Field Temperature	25.7				Degrees C			09/14/17 10:30	1
Field Turbidity	0.00				NTU			09/14/17 10:30	1
Field Dissolved Oxygen	0.6				mg/L			09/14/17 10:30	1
Field Color	None				No Unit			09/14/17 10:30	1

Surrogate Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-127)	(78-120)	(77-120)	(80-125)
280-101239-1	MW-9A	106	100	109	102
280-101239-2	MW-9B	108	104	108	105
280-101239-3	MW-11A	104	100	107	101
280-101239-6	MW-14B	107	101	107	104
280-101305-T-6 MS	Matrix Spike	108	105	110	110
280-101305-T-6 MSD	Matrix Spike Duplicate	109	102	110	104
LCS 280-389081/11	Lab Control Sample	109	105	110	91
LCS 280-389081/4	Lab Control Sample	108	102	109	101
LCSD 280-389081/12	Lab Control Sample Dup	105	101	107	101
LCSD 280-389081/5	Lab Control Sample Dup	114	100	112	103
MB 280-389081/6	Method Blank	109	105	111	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(48-135)	(48-135)	(41-135)	(42-135)	(46-135)	(20-135)
280-101239-1	MW-9A	75	73	74	74	73	92
280-101239-2	MW-9B	78	75	77	77	76	87
280-101239-3	MW-11A	74	76	78	76	79	75
280-101239-4	MW-11B	75	74	75	77	75	59
280-101239-5	MW-14A	86	75	78	72	78	79
280-101239-6	MW-14B	75	68	69	70	67	90
280-101239-8	MW-15B	75	77	81	80	81	70
280-101239-9	Field Blank	79	84	86	85	85	95
LCS 280-387901/2-A	Lab Control Sample	86	78	78	78	79	88
LCS 280-387901/4-A	Lab Control Sample	88	81	80	80	79	90
LCS 280-388079/2-A	Lab Control Sample	91	83	81	77	82	86
LCS 280-388079/4-A	Lab Control Sample	77	71	74	67	72	79
LCSD 280-387901/3-A	Lab Control Sample Dup	92	86	83	86	82	92
LCSD 280-387901/5-A	Lab Control Sample Dup	82	78	79	79	80	85
LCSD 280-388079/3-A	Lab Control Sample Dup	88	78	75	72	77	82
LCSD 280-388079/5-A	Lab Control Sample Dup	94	85	85	79	86	90
MB 280-387901/1-A	Method Blank	82	80	81	82	81	88
MB 280-388079/1-A	Method Blank	83	86	83	78	81	97

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14

Surrogate Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	12DBP1 (70-130)						
280-101239-1	MW-9A	106						
280-101239-2	MW-9B	111						
280-101239-3	MW-11A	114						
280-101239-6	MW-14B	114						
LCS 280-389141/3-A	Lab Control Sample	118						
LCSD 280-389141/4-A	Lab Control Sample Dup	116						
MB 280-389141/2-A	Method Blank	146 J1						

Surrogate Legend

12DBP = 1,2-Dibromopropane

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	DCB1 (34-122)	TCX1 (28-115)					
280-101239-1	MW-9A	65	45					
280-101239-2	MW-9B	50	45					
280-101239-3	MW-11A	39	55					
280-101239-4	MW-11B	72	56					
280-101239-5	MW-14A	44	40					
280-101239-6	MW-14B	74	48					
280-101239-8	MW-15B	46	59					
280-101239-9	Field Blank	89	49					
LCS 280-388270/2-A	Lab Control Sample	84	51					
LCSD 280-388270/3-A	Lab Control Sample Dup	88	50					
MB 280-388270/1-A	Method Blank	80	70					

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	DCB2 (30-136)	TCX2 (25-120)					
280-101239-1	MW-9A	73	57					
280-101239-2	MW-9B	64	68					
280-101239-3	MW-11A	44	71					
280-101239-4	MW-11B	90	83					
280-101239-5	MW-14A	55	55					
280-101239-6	MW-14B	87	69					
280-101239-8	MW-15B	52	72					
280-101239-9	Field Blank	97	65					
280-101378-J-1-A MSD	Matrix Spike Duplicate	106	99					
280-101378-U-1-A MS	Matrix Spike	105	97					
LCS 280-388270/4-A	Lab Control Sample	90	51					

Surrogate Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(30-136)	(25-120)
LCS 280-388378/5-A	Lab Control Sample	94	85
LCSD 280-388270/5-A	Lab Control Sample Dup	97	78
MB 280-388270/1-A	Method Blank	90	88
MB 280-388378/1-A	Method Blank	105	87

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPA1
Lab Sample ID	Client Sample ID	(39-135)
280-101239-1	MW-9A	81
280-101239-2	MW-9B	93
280-101239-3	MW-11A	76
280-101239-4	MW-11B	89
280-101239-5	MW-14A	81
280-101239-6	MW-14B	87
280-101239-8	MW-15B	82
280-101239-9	Field Blank	78
LCS 280-388153/2-A	Lab Control Sample	87
LCSD 280-388153/3-A	Lab Control Sample Dup	83
MB 280-388153/1-A	Method Blank	82

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 280-389081/6
Matrix: Water
Analysis Batch: 389081

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	0.21	U	1.0	0.21	ug/L			09/27/17 10:38	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			09/27/17 10:38	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			09/27/17 10:38	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			09/27/17 10:38	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			09/27/17 10:38	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/27/17 10:38	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			09/27/17 10:38	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			09/27/17 10:38	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			09/27/17 10:38	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 10:38	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			09/27/17 10:38	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			09/27/17 10:38	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/27/17 10:38	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			09/27/17 10:38	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			09/27/17 10:38	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			09/27/17 10:38	1
Acetone	1.9	U	20	1.9	ug/L			09/27/17 10:38	1
Acetonitrile	9.6	U	30	9.6	ug/L			09/27/17 10:38	1
Acrolein	2.8	U	20	2.8	ug/L			09/27/17 10:38	1
Acrylonitrile	1.4	U	20	1.4	ug/L			09/27/17 10:38	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			09/27/17 10:38	1
Benzene	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			09/27/17 10:38	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 10:38	1
Bromoform	0.19	U	1.0	0.19	ug/L			09/27/17 10:38	1
Bromomethane	0.21	U	2.0	0.21	ug/L			09/27/17 10:38	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			09/27/17 10:38	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			09/27/17 10:38	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			09/27/17 10:38	1
Chloroethane	0.41	U	2.0	0.41	ug/L			09/27/17 10:38	1
Chloroform	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
Chloromethane	0.30	U	2.0	0.30	ug/L			09/27/17 10:38	1
Chloroprene	0.21	U	1.0	0.21	ug/L			09/27/17 10:38	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 10:38	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			09/27/17 10:38	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			09/27/17 10:38	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			09/27/17 10:38	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			09/27/17 10:38	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
Iodomethane	0.23	U	1.0	0.23	ug/L			09/27/17 10:38	1
Isobutyl alcohol	37	U	110	37	ug/L			09/27/17 10:38	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			09/27/17 10:38	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			09/27/17 10:38	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			09/27/17 10:38	1
Propionitrile	3.7	U	20	3.7	ug/L			09/27/17 10:38	1

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

Lab Sample ID: MB 280-389081/6
Matrix: Water
Analysis Batch: 389081

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.17	U	1.0	0.17	ug/L			09/27/17 10:38	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			09/27/17 10:38	1
Toluene	0.17	U	1.0	0.17	ug/L			09/27/17 10:38	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			09/27/17 10:38	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			09/27/17 10:38	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			09/27/17 10:38	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			09/27/17 10:38	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			09/27/17 10:38	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			09/27/17 10:38	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			09/27/17 10:38	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			09/27/17 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 127*		*09/27/17 10:38*	*1*
4-Bromofluorobenzene (Surr)	*105*		*78 - 120*		*09/27/17 10:38*	*1*
Dibromofluoromethane (Surr)	*111*		*77 - 120*		*09/27/17 10:38*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*09/27/17 10:38*	*1*

Lab Sample ID: LCS 280-389081/11
Matrix: Water
Analysis Batch: 389081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetonitrile	50.0	52.9		ug/L		106	50 - 150
Chloroprene	5.00	4.14		ug/L		83	50 - 150
Methacrylonitrile	50.0	60.3		ug/L		121	50 - 150
Methyl methacrylate	10.0	12.1		ug/L		121	50 - 150
Propionitrile	50.0	61.9		ug/L		124	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 127*
4-Bromofluorobenzene (Surr)	*105*		*78 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 125*

Lab Sample ID: LCS 280-389081/4
Matrix: Water
Analysis Batch: 389081

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	5.00	4.72		ug/L		94	65 - 135
1,1,1-Trichloroethane	5.00	5.41		ug/L		108	65 - 135
1,1,2,2-Tetrachloroethane	5.00	4.61		ug/L		92	58 - 135
1,1,2-Trichloroethane	5.00	5.99		ug/L		120	64 - 135
1,1-Dichloroethane	5.00	4.99		ug/L		100	65 - 135
1,1-Dichloroethene	5.00	5.21		ug/L		104	65 - 136
1,1-Dichloropropene	5.00	5.72		ug/L		114	65 - 135
1,2,3-Trichloropropane	5.00	4.66		ug/L		93	65 - 135

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

Lab Sample ID: LCS 280-389081/4
Matrix: Water
Analysis Batch: 389081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	5.00	4.70		ug/L		94	65 - 135
1,2-Dichloroethane	5.00	4.84		ug/L		97	65 - 135
1,2-Dichloropropane	5.00	5.14		ug/L		103	64 - 135
1,3-Dichlorobenzene	5.00	4.78		ug/L		96	65 - 135
1,3-Dichloropropane	5.00	4.45		ug/L		89	64 - 135
1,4-Dichlorobenzene	5.00	4.85		ug/L		97	65 - 135
2,2-Dichloropropane	5.00	5.30		ug/L		106	65 - 135
2-Butanone (MEK)	20.0	20.3		ug/L		101	44 - 177
2-Hexanone	20.0	19.6		ug/L		98	57 - 139
4-Methyl-2-pentanone (MIBK)	20.0	22.6		ug/L		113	60 - 150
Acetone	20.0	19.4	I	ug/L		97	39 - 156
Acrolein	50.0	50.6		ug/L		101	36 - 147
Acrylonitrile	50.0	45.3		ug/L		91	56 - 135
Allyl chloride	5.00	4.99		ug/L		100	50 - 135
Benzene	5.00	5.28		ug/L		106	65 - 135
Bromochloromethane	5.00	5.21		ug/L		104	65 - 135
Bromodichloromethane	5.00	5.29		ug/L		106	65 - 135
Bromoform	5.00	4.36		ug/L		87	62 - 135
Bromomethane	5.00	4.86		ug/L		97	45 - 135
Carbon disulfide	5.00	5.10		ug/L		102	55 - 143
Carbon tetrachloride	5.00	5.57		ug/L		111	65 - 135
Chlorobenzene	5.00	4.81		ug/L		96	65 - 135
Chloroethane	5.00	5.06		ug/L		101	46 - 136
Chloroform	5.00	4.98		ug/L		100	65 - 135
Chloromethane	5.00	4.93		ug/L		99	34 - 145
cis-1,2-Dichloroethene	5.00	5.12		ug/L		102	65 - 135
cis-1,3-Dichloropropene	5.00	4.31		ug/L		86	65 - 135
Dibromochloromethane	5.00	4.38		ug/L		88	65 - 135
Dibromomethane	5.00	5.02		ug/L		100	65 - 135
Dichlorodifluoromethane	5.00	6.21		ug/L		124	43 - 142
Ethyl methacrylate	5.00	4.45		ug/L		89	50 - 135
Ethylbenzene	5.00	5.02		ug/L		100	65 - 135
Iodomethane	5.00	5.13		ug/L		103	65 - 142
Isobutyl alcohol	125	121		ug/L		96	55 - 135
Methylene Chloride	5.00	4.62		ug/L		92	54 - 141
Styrene	5.00	4.73		ug/L		95	65 - 135
Tetrachloroethene	5.00	5.28		ug/L		106	65 - 135
Toluene	5.00	6.27		ug/L		125	65 - 135
trans-1,2-Dichloroethene	5.00	5.50		ug/L		110	65 - 135
trans-1,3-Dichloropropene	5.00	5.87		ug/L		117	65 - 135
trans-1,4-Dichloro-2-butene	5.00	4.74		ug/L		95	53 - 135
Trichloroethene	5.00	5.63		ug/L		113	65 - 135
Trichlorofluoromethane	5.00	5.80		ug/L		116	53 - 137
Vinyl acetate	10.0	8.75		ug/L		88	11 - 187
Vinyl chloride	5.00	5.42		ug/L		108	40 - 137
Xylenes (total)	10.0	9.92		ug/L		99	65 - 135

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

Lab Sample ID: LCS 280-389081/4
Matrix: Water
Analysis Batch: 389081

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 127*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*
Dibromofluoromethane (Surr)	*109*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 125*

Lab Sample ID: LCSD 280-389081/12
Matrix: Water
Analysis Batch: 389081

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
Acetonitrile	50.0	60.0		ug/L		120	50 - 150	13	30
Chloroprene	5.00	4.23		ug/L		85	50 - 150	2	30
Methacrylonitrile	50.0	64.8		ug/L		130	50 - 150	7	30
Methyl methacrylate	10.0	12.1		ug/L		121	50 - 150	0	30
Propionitrile	50.0	66.6		ug/L		133	50 - 150	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 125*

Lab Sample ID: LCSD 280-389081/5
Matrix: Water
Analysis Batch: 389081

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	5.00	4.81		ug/L		96	65 - 135	2	20
1,1,1-Trichloroethane	5.00	5.64		ug/L		113	65 - 135	4	20
1,1,2,2-Tetrachloroethane	5.00	4.40		ug/L		88	58 - 135	5	20
1,1,2-Trichloroethane	5.00	5.19		ug/L		104	64 - 135	14	27
1,1-Dichloroethane	5.00	5.15		ug/L		103	65 - 135	3	21
1,1-Dichloroethene	5.00	5.33		ug/L		107	65 - 136	2	20
1,1-Dichloropropene	5.00	5.70		ug/L		114	65 - 135	0	21
1,2,3-Trichloropropane	5.00	4.47		ug/L		89	65 - 135	4	23
1,2-Dichlorobenzene	5.00	4.67		ug/L		93	65 - 135	0	20
1,2-Dichloroethane	5.00	5.03		ug/L		101	65 - 135	4	20
1,2-Dichloropropane	5.00	5.11		ug/L		102	64 - 135	1	20
1,3-Dichlorobenzene	5.00	4.75		ug/L		95	65 - 135	1	20
1,3-Dichloropropane	5.00	4.45		ug/L		89	64 - 135	0	20
1,4-Dichlorobenzene	5.00	4.81		ug/L		96	65 - 135	1	23
2,2-Dichloropropane	5.00	5.61		ug/L		112	65 - 135	6	20
2-Butanone (MEK)	20.0	19.7		ug/L		99	44 - 177	3	32
2-Hexanone	20.0	17.1		ug/L		86	57 - 139	14	25
4-Methyl-2-pentanone (MIBK)	20.0	19.1		ug/L		96	60 - 150	17	22
Acetone	20.0	18.2	I	ug/L		91	39 - 156	6	23
Acrolein	50.0	57.0		ug/L		114	36 - 147	12	30
Acrylonitrile	50.0	47.3		ug/L		95	56 - 135	4	30

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

Lab Sample ID: LCSD 280-389081/5
Matrix: Water
Analysis Batch: 389081

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
Allyl chloride	5.00	5.21		ug/L		104	50 - 135	4	30
Benzene	5.00	5.35		ug/L		107	65 - 135	1	20
Bromochloromethane	5.00	5.14		ug/L		103	65 - 135	1	29
Bromodichloromethane	5.00	5.27		ug/L		105	65 - 135	0	20
Bromoform	5.00	4.46		ug/L		89	62 - 135	2	27
Bromomethane	5.00	4.34		ug/L		87	45 - 135	11	33
Carbon disulfide	5.00	5.12		ug/L		102	55 - 143	0	20
Carbon tetrachloride	5.00	5.76		ug/L		115	65 - 135	3	21
Chlorobenzene	5.00	4.87		ug/L		97	65 - 135	1	20
Chloroethane	5.00	4.52		ug/L		90	46 - 136	11	25
Chloroform	5.00	5.09		ug/L		102	65 - 135	2	20
Chloromethane	5.00	4.27		ug/L		85	34 - 145	14	24
cis-1,2-Dichloroethene	5.00	5.18		ug/L		104	65 - 135	1	20
cis-1,3-Dichloropropene	5.00	4.54		ug/L		91	65 - 135	5	26
Dibromochloromethane	5.00	4.44		ug/L		89	65 - 135	1	20
Dibromomethane	5.00	4.88		ug/L		98	65 - 135	3	26
Dichlorodifluoromethane	5.00	5.99		ug/L		120	43 - 142	4	30
Ethyl methacrylate	5.00	4.28		ug/L		86	50 - 135	4	30
Ethylbenzene	5.00	5.00		ug/L		100	65 - 135	1	20
Iodomethane	5.00	5.19		ug/L		104	65 - 142	1	25
Isobutyl alcohol	125	118		ug/L		95	55 - 135	2	30
Methylene Chloride	5.00	4.70		ug/L		94	54 - 141	2	26
Styrene	5.00	4.71		ug/L		94	65 - 135	0	26
Tetrachloroethene	5.00	5.27		ug/L		105	65 - 135	0	20
Toluene	5.00	5.57		ug/L		111	65 - 135	12	20
trans-1,2-Dichloroethene	5.00	5.59		ug/L		112	65 - 135	2	24
trans-1,3-Dichloropropene	5.00	5.26		ug/L		105	65 - 135	11	26
trans-1,4-Dichloro-2-butene	5.00	4.61		ug/L		92	53 - 135	3	25
Trichloroethene	5.00	5.71		ug/L		114	65 - 135	1	20
Trichlorofluoromethane	5.00	5.28		ug/L		106	53 - 137	9	27
Vinyl acetate	10.0	9.95		ug/L		100	11 - 187	13	24
Vinyl chloride	5.00	4.99		ug/L		100	40 - 137	8	24
Xylenes (total)	10.0	10.0		ug/L		100	65 - 135	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 127*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*
Dibromofluoromethane (Surr)	*112*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 125*

Lab Sample ID: 280-101305-T-6 MS
Matrix: Water
Analysis Batch: 389081

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	0.21	U	5.00	4.72		ug/L		94	65 - 135
1,1,1-Trichloroethane	0.16	U	5.00	5.56		ug/L		111	65 - 135
1,1,2,2-Tetrachloroethane	0.21	U	5.00	4.60		ug/L		92	58 - 135

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

Lab Sample ID: 280-101305-T-6 MS
Matrix: Water
Analysis Batch: 389081

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
1,1,2-Trichloroethane	0.27	U	5.00	4.98		ug/L		100	64 - 135
1,1-Dichloroethane	0.22	U	5.00	5.23		ug/L		105	65 - 135
1,1-Dichloroethene	0.23	U	5.00	5.53		ug/L		111	65 - 136
1,1-Dichloropropene	0.19	U	5.00	5.85		ug/L		117	65 - 135
1,2,3-Trichloropropane	0.33	U	5.00	4.66		ug/L		93	65 - 135
1,2-Dichlorobenzene	0.15	U	5.00	4.74		ug/L		95	65 - 135
1,2-Dichloroethane	0.13	U	5.00	4.88		ug/L		98	65 - 135
1,2-Dichloropropane	0.18	U	5.00	5.15		ug/L		103	64 - 135
1,3-Dichlorobenzene	0.13	U	5.00	4.54		ug/L		91	65 - 135
1,3-Dichloropropane	0.22	U	5.00	4.59		ug/L		92	64 - 135
1,4-Dichlorobenzene	0.16	U	5.00	4.80		ug/L		96	65 - 135
2,2-Dichloropropane	0.18	U	5.00	5.57		ug/L		111	65 - 135
2-Butanone (MEK)	2.0	U	20.0	18.6		ug/L		93	44 - 177
2-Hexanone	1.7	U	20.0	17.1		ug/L		86	57 - 139
4-Methyl-2-pentanone (MIBK)	0.98	U	20.0	18.3		ug/L		92	60 - 150
Acetone	5.5	I	20.0	18.5	I	ug/L		65	39 - 156
Acrolein	2.8	U	50.0	49.5		ug/L		99	36 - 147
Acrylonitrile	1.4	U	50.0	47.1		ug/L		94	56 - 135
Allyl chloride	0.17	U	5.00	5.48		ug/L		110	50 - 135
Benzene	0.16	U	5.00	5.44		ug/L		109	65 - 135
Bromochloromethane	0.10	U	5.00	4.94		ug/L		99	65 - 135
Bromodichloromethane	0.17	U	5.00	5.06		ug/L		101	65 - 135
Bromoform	0.19	U	5.00	4.24		ug/L		85	62 - 135
Bromomethane	0.21	U	5.00	3.71		ug/L		74	45 - 135
Carbon disulfide	0.45	U	5.00	5.29		ug/L		106	55 - 143
Carbon tetrachloride	0.19	U	5.00	5.60		ug/L		112	65 - 135
Chlorobenzene	0.17	U	5.00	4.69		ug/L		94	65 - 135
Chloroethane	0.41	U	5.00	3.94		ug/L		79	46 - 136
Chloroform	0.16	U	5.00	5.12		ug/L		102	65 - 135
Chloromethane	0.30	U	5.00	3.77		ug/L		75	34 - 145
cis-1,2-Dichloroethene	0.15	U	5.00	5.13		ug/L		103	65 - 135
cis-1,3-Dichloropropene	0.16	U	5.00	4.78		ug/L		96	65 - 135
Dibromochloromethane	0.17	U	5.00	4.43		ug/L		89	65 - 135
Dibromomethane	0.17	U	5.00	4.72		ug/L		94	65 - 135
Dichlorodifluoromethane	0.31	U	5.00	4.82		ug/L		96	43 - 142
Ethyl methacrylate	0.86	U	5.00	4.34		ug/L		87	50 - 135
Ethylbenzene	0.16	U	5.00	4.99		ug/L		100	65 - 135
Iodomethane	0.23	U	5.00	5.06		ug/L		101	65 - 142
Isobutyl alcohol	37	U	125	129		ug/L		103	55 - 135
Methylene Chloride	0.32	U	5.00	4.39		ug/L		88	54 - 141
Styrene	0.17	U	5.00	4.88		ug/L		98	65 - 135
Tetrachloroethene	0.20	U	5.00	5.53		ug/L		111	65 - 135
Toluene	0.17	U	5.00	5.49		ug/L		110	65 - 135
trans-1,2-Dichloroethene	0.15	U	5.00	5.51		ug/L		110	65 - 135
trans-1,3-Dichloropropene	0.19	U	5.00	5.03		ug/L		101	65 - 135
trans-1,4-Dichloro-2-butene	0.80	U	5.00	4.69		ug/L		94	53 - 135
Trichloroethene	0.16	U	5.00	5.51		ug/L		110	65 - 135
Trichlorofluoromethane	0.29	U	5.00	4.91		ug/L		98	53 - 137

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

Lab Sample ID: 280-101305-T-6 MS
Matrix: Water
Analysis Batch: 389081

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
Vinyl acetate	0.94	U	10.0	8.57		ug/L		86	11 - 187
Vinyl chloride	0.10	U	5.00	4.17		ug/L		83	40 - 137
Xylenes (total)	0.19	U	10.0	10.2		ug/L		102	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 127*
4-Bromofluorobenzene (Surr)	*105*		*78 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 120*
Toluene-d8 (Surr)	*110*		*80 - 125*

Lab Sample ID: 280-101305-T-6 MSD
Matrix: Water
Analysis Batch: 389081

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	0.21	U	5.00	4.72		ug/L		94	65 - 135	0	20
1,1,1-Trichloroethane	0.16	U	5.00	5.51		ug/L		110	65 - 135	1	20
1,1,2,2-Tetrachloroethane	0.21	U	5.00	4.61		ug/L		92	58 - 135	0	20
1,1,2-Trichloroethane	0.27	U	5.00	5.13		ug/L		103	64 - 135	3	27
1,1-Dichloroethane	0.22	U	5.00	5.29		ug/L		106	65 - 135	1	21
1,1-Dichloroethene	0.23	U	5.00	5.33		ug/L		107	65 - 136	4	20
1,1-Dichloropropene	0.19	U	5.00	5.80		ug/L		116	65 - 135	1	21
1,2,3-Trichloropropane	0.33	U	5.00	4.45		ug/L		89	65 - 135	5	23
1,2-Dichlorobenzene	0.15	U	5.00	4.59		ug/L		92	65 - 135	3	20
1,2-Dichloroethane	0.13	U	5.00	4.96		ug/L		99	65 - 135	2	20
1,2-Dichloropropane	0.18	U	5.00	5.21		ug/L		104	64 - 135	1	20
1,3-Dichlorobenzene	0.13	U	5.00	4.70		ug/L		94	65 - 135	4	20
1,3-Dichloropropane	0.22	U	5.00	4.41		ug/L		88	64 - 135	4	20
1,4-Dichlorobenzene	0.16	U	5.00	4.71		ug/L		94	65 - 135	2	23
2,2-Dichloropropane	0.18	U	5.00	5.55		ug/L		111	65 - 135	0	20
2-Butanone (MEK)	2.0	U	20.0	20.8		ug/L		104	44 - 177	11	32
2-Hexanone	1.7	U	20.0	18.5		ug/L		92	57 - 139	7	25
4-Methyl-2-pentanone (MIBK)	0.98	U	20.0	20.9		ug/L		104	60 - 150	13	22
Acetone	5.5	I	20.0	23.0		ug/L		87	39 - 156	22	23
Acrolein	2.8	U	50.0	53.4		ug/L		107	36 - 147	8	30
Acrylonitrile	1.4	U	50.0	48.2		ug/L		96	56 - 135	2	30
Allyl chloride	0.17	U	5.00	5.37		ug/L		107	50 - 135	2	30
Benzene	0.16	U	5.00	5.41		ug/L		108	65 - 135	1	20
Bromochloromethane	0.10	U	5.00	5.09		ug/L		102	65 - 135	3	29
Bromodichloromethane	0.17	U	5.00	5.16		ug/L		103	65 - 135	2	20
Bromoform	0.19	U	5.00	4.19		ug/L		84	62 - 135	1	27
Bromomethane	0.21	U	5.00	4.07		ug/L		81	45 - 135	9	33
Carbon disulfide	0.45	U	5.00	5.24		ug/L		105	55 - 143	1	20
Carbon tetrachloride	0.19	U	5.00	5.64		ug/L		113	65 - 135	1	21
Chlorobenzene	0.17	U	5.00	4.77		ug/L		95	65 - 135	2	20
Chloroethane	0.41	U	5.00	4.32		ug/L		86	46 - 136	9	25
Chloroform	0.16	U	5.00	5.17		ug/L		103	65 - 135	1	20
Chloromethane	0.30	U	5.00	4.34		ug/L		87	34 - 145	14	24

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

Lab Sample ID: 280-101305-T-6 MSD
Matrix: Water
Analysis Batch: 389081

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
cis-1,2-Dichloroethene	0.15	U	5.00	5.13		ug/L		103	65 - 135	0	20
cis-1,3-Dichloropropene	0.16	U	5.00	4.58		ug/L		92	65 - 135	4	26
Dibromochloromethane	0.17	U	5.00	4.23		ug/L		85	65 - 135	5	20
Dibromomethane	0.17	U	5.00	4.82		ug/L		96	65 - 135	2	26
Dichlorodifluoromethane	0.31	U	5.00	6.21		ug/L		124	43 - 142	25	30
Ethyl methacrylate	0.86	U	5.00	4.19		ug/L		84	50 - 135	4	30
Ethylbenzene	0.16	U	5.00	4.97		ug/L		99	65 - 135	1	20
Iodomethane	0.23	U	5.00	5.15		ug/L		103	65 - 142	2	25
Isobutyl alcohol	37	U	125	126		ug/L		101	55 - 135	2	30
Methylene Chloride	0.32	U	5.00	4.47		ug/L		89	54 - 141	2	26
Styrene	0.17	U	5.00	4.63		ug/L		93	65 - 135	5	26
Tetrachloroethene	0.20	U	5.00	5.18		ug/L		104	65 - 135	7	20
Toluene	0.17	U	5.00	5.48		ug/L		110	65 - 135	0	20
trans-1,2-Dichloroethene	0.15	U	5.00	5.59		ug/L		112	65 - 135	2	24
trans-1,3-Dichloropropene	0.19	U	5.00	5.01		ug/L		100	65 - 135	0	26
trans-1,4-Dichloro-2-butene	0.80	U	5.00	4.48		ug/L		90	53 - 135	5	25
Trichloroethene	0.16	U	5.00	5.47		ug/L		109	65 - 135	1	20
Trichlorofluoromethane	0.29	U	5.00	5.23		ug/L		105	53 - 137	6	27
Vinyl acetate	0.94	U	10.0	9.03		ug/L		90	11 - 187	5	24
Vinyl chloride	0.10	U	5.00	4.76		ug/L		95	40 - 137	13	24
Xylenes (total)	0.19	U	10.0	9.84		ug/L		98	65 - 135	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 127*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 125*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-387901/1-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	10	1.7	ug/L		09/17/17 08:37	09/20/17 16:24	1
1,2,4-Trichlorobenzene	0.28	U	4.0	0.28	ug/L		09/17/17 08:37	09/20/17 16:24	1
1,3,5-Trinitrobenzene	4.0	U	50	4.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
1,3-Dinitrobenzene	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
1,4-Naphthoquinone	14	U	50	14	ug/L		09/17/17 08:37	09/20/17 16:24	1
1-Naphthylamine	3.1	U	10	3.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,2'-oxybis(1-chloropropane)	0.28	U	10	0.28	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,3,4,6-Tetrachlorophenol	2.0	U	50	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,4,5-Trichlorophenol	0.45	U	10	0.45	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,4,6-Trichlorophenol	0.29	U	10	0.29	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,4-Dichlorophenol	0.64	U	10	0.64	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,4-Dimethylphenol	0.58	U	10	0.58	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,4-Dinitrophenol	10	U	30	10	ug/L		09/17/17 08:37	09/20/17 16:24	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-387901/1-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	1.7	U	10	1.7	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,6-Dichlorophenol	1.4	U	10	1.4	ug/L		09/17/17 08:37	09/20/17 16:24	1
2,6-Dinitrotoluene	1.9	U	10	1.9	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Acetylaminofluorene	7.0	U	100	7.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Chloronaphthalene	0.26	U	4.0	0.26	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Chlorophenol	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Methylnaphthalene	0.29	U	4.0	0.29	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Methylphenol	0.98	U	10	0.98	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Naphthylamine	3.1	U	10	3.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Nitroaniline	1.7	U	10	1.7	ug/L		09/17/17 08:37	09/20/17 16:24	1
2-Nitrophenol	0.39	U	10	0.39	ug/L		09/17/17 08:37	09/20/17 16:24	1
3,3'-Dichlorobenzidine	2.0	U	50	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
3,3'-Dimethylbenzidine	4.0	U	20	4.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
3-Methylcholanthrene	1.7	U	20	1.7	ug/L		09/17/17 08:37	09/20/17 16:24	1
3-Methylphenol & 4-Methylphenol	0.25	U	10	0.25	ug/L		09/17/17 08:37	09/20/17 16:24	1
3-Nitroaniline	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
4,6-Dinitro-2-methylphenol	4.0	U	50	4.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Aminobiphenyl	4.5	U	50	4.5	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Bromophenyl phenyl ether	0.43	U	10	0.43	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Chloro-3-methylphenol	2.4	U	10	2.4	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Chloroaniline	2.1	U	10	2.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Chlorophenyl phenyl ether	1.7	U	10	1.7	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Dimethylaminoazobenzene	2.0	U	20	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Nitroaniline	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Nitrophenol	1.2	U	10	1.2	ug/L		09/17/17 08:37	09/20/17 16:24	1
4-Phenylenediamine	5.0	U	100	5.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
5-Nitro-o-toluidine	1.4	U	20	1.4	ug/L		09/17/17 08:37	09/20/17 16:24	1
7,12-Dimethylbenz(a)anthracene	1.6	U	20	1.6	ug/L		09/17/17 08:37	09/20/17 16:24	1
Acenaphthene	0.28	U	4.0	0.28	ug/L		09/17/17 08:37	09/20/17 16:24	1
Acenaphthylene	0.49	U	4.0	0.49	ug/L		09/17/17 08:37	09/20/17 16:24	1
Acetophenone	0.24	U	10	0.24	ug/L		09/17/17 08:37	09/20/17 16:24	1
Anthracene	0.42	U	4.0	0.42	ug/L		09/17/17 08:37	09/20/17 16:24	1
Benzo(a)anthracene	0.35	U	4.0	0.35	ug/L		09/17/17 08:37	09/20/17 16:24	1
Benzo(a)pyrene	0.31	U	4.0	0.31	ug/L		09/17/17 08:37	09/20/17 16:24	1
Benzo(b)fluoranthene	0.53	U	4.0	0.53	ug/L		09/17/17 08:37	09/20/17 16:24	1
Benzo(ghi)perylene	0.50	U	4.0	0.50	ug/L		09/17/17 08:37	09/20/17 16:24	1
Benzo(k)fluoranthene	0.46	U	4.0	0.46	ug/L		09/17/17 08:37	09/20/17 16:24	1
Benzyl alcohol	0.23	U	10	0.23	ug/L		09/17/17 08:37	09/20/17 16:24	1
Bis(2-chloroethoxy)methane	0.97	U	10	0.97	ug/L		09/17/17 08:37	09/20/17 16:24	1
bis(2-Chloroethyl) ether	0.41	U	10	0.41	ug/L		09/17/17 08:37	09/20/17 16:24	1
Bis(2-ethylhexyl) phthalate	0.56	U	10	0.56	ug/L		09/17/17 08:37	09/20/17 16:24	1
Butyl benzyl phthalate	1.0	U	4.0	1.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Chlorobenzilate	0.66	U	10	0.66	ug/L		09/17/17 08:37	09/20/17 16:24	1
Chrysene	0.54	U	4.0	0.54	ug/L		09/17/17 08:37	09/20/17 16:24	1
Diallate	0.56	U	5.6	0.56	ug/L		09/17/17 08:37	09/20/17 16:24	1
Dibenz(a,h)anthracene	0.51	U	4.0	0.51	ug/L		09/17/17 08:37	09/20/17 16:24	1
Dibenzofuran	0.29	U	4.0	0.29	ug/L		09/17/17 08:37	09/20/17 16:24	1
Diethyl phthalate	0.38	U	4.0	0.38	ug/L		09/17/17 08:37	09/20/17 16:24	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-387901/1-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	1.1	U	20	1.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
Dimethyl phthalate	0.21	U	4.0	0.21	ug/L		09/17/17 08:37	09/20/17 16:24	1
Di-n-butyl phthalate	1.2	U	4.0	1.2	ug/L		09/17/17 08:37	09/20/17 16:24	1
Di-n-octyl phthalate	0.35	U	4.0	0.35	ug/L		09/17/17 08:37	09/20/17 16:24	1
Dinoseb	4.0	U	20	4.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Diphenylamine	1.1	U	10	1.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
Disulfoton	1.1	U	50	1.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
Ethyl methanesulfonate	0.94	U	10	0.94	ug/L		09/17/17 08:37	09/20/17 16:24	1
Famphur	1.5	U	100	1.5	ug/L		09/17/17 08:37	09/20/17 16:24	1
Fluoranthene	0.20	U	4.0	0.20	ug/L		09/17/17 08:37	09/20/17 16:24	1
Fluorene	0.31	U	4.0	0.31	ug/L		09/17/17 08:37	09/20/17 16:24	1
Hexachlorobenzene	0.66	U	10	0.66	ug/L		09/17/17 08:37	09/20/17 16:24	1
Hexachlorobutadiene	3.3	U	10	3.3	ug/L		09/17/17 08:37	09/20/17 16:24	1
Hexachlorocyclopentadiene	10	U	50	10	ug/L		09/17/17 08:37	09/20/17 16:24	1
Hexachloroethane	2.1	U	10	2.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
Hexachloropropene	2.0	U	100	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Indeno(1,2,3-cd)pyrene	0.65	U	4.0	0.65	ug/L		09/17/17 08:37	09/20/17 16:24	1
Isodrin	1.8	U	10	1.8	ug/L		09/17/17 08:37	09/20/17 16:24	1
Isophorone	0.21	U	10	0.21	ug/L		09/17/17 08:37	09/20/17 16:24	1
Isosafrole	1.0	U	3.5	1.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Methapyrilene	20	U	50	20	ug/L		09/17/17 08:37	09/20/17 16:24	1
Methyl methanesulfonate	1.0	U	10	1.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Methyl parathion	3.2	U	50	3.2	ug/L		09/17/17 08:37	09/20/17 16:24	1
Naphthalene	0.29	U	4.0	0.29	ug/L		09/17/17 08:37	09/20/17 16:24	1
Nitrobenzene	0.81	U	10	0.81	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosodiethylamine	1.7	U	10	1.7	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosodimethylamine	0.29	U	10	0.29	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosodi-n-butylamine	1.2	U	10	1.2	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosodi-n-propylamine	0.35	U	10	0.35	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosodiphenylamine	0.44	U	10	0.44	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosomethylethylamine	1.8	U	10	1.8	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosopiperidine	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
N-Nitrosopyrrolidine	0.80	U	10	0.80	ug/L		09/17/17 08:37	09/20/17 16:24	1
O,O,O-Triethyl phosphorothioate	2.0	U	50	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
o-Toluidine	1.4	U	10	1.4	ug/L		09/17/17 08:37	09/20/17 16:24	1
Parathion	2.0	U	50	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Pentachlorobenzene	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Pentachloronitrobenzene	2.0	U	50	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Pentachlorophenol	20	U	50	20	ug/L		09/17/17 08:37	09/20/17 16:24	1
Phenacetin	1.1	U	20	1.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
Phenanthrene	0.26	U	4.0	0.26	ug/L		09/17/17 08:37	09/20/17 16:24	1
Phenol	2.0	U	10	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Phorate	2.0	U	50	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Pronamide	2.0	U	20	2.0	ug/L		09/17/17 08:37	09/20/17 16:24	1
Pyrene	0.37	U	10	0.37	ug/L		09/17/17 08:37	09/20/17 16:24	1
Safrole	1.1	U	20	1.1	ug/L		09/17/17 08:37	09/20/17 16:24	1
Thionazin	0.86	U	50	0.86	ug/L		09/17/17 08:37	09/20/17 16:24	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-387901/1-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 387901

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*48 - 135*	*09/17/17 08:37*	*09/20/17 16:24*	*1*
2-Fluorobiphenyl	*80*		*48 - 135*	*09/17/17 08:37*	*09/20/17 16:24*	*1*
2-Fluorophenol	*81*		*41 - 135*	*09/17/17 08:37*	*09/20/17 16:24*	*1*
Nitrobenzene-d5	*82*		*42 - 135*	*09/17/17 08:37*	*09/20/17 16:24*	*1*
Phenol-d5	*81*		*46 - 135*	*09/17/17 08:37*	*09/20/17 16:24*	*1*
Terphenyl-d14	*88*		*20 - 135*	*09/17/17 08:37*	*09/20/17 16:24*	*1*

Lab Sample ID: LCS 280-387901/2-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	80.0	57.5		ug/L		72	52 - 135
1,2,4-Trichlorobenzene	80.0	48.6		ug/L		61	44 - 135
1,3-Dinitrobenzene	80.0	75.1		ug/L		94	65 - 135
1,4-Dichlorobenzene	80.0	47.6		ug/L		60	40 - 135
2,2'-oxybis(1-chloropropane)	80.0	61.8		ug/L		77	55 - 135
2,3,4,6-Tetrachlorophenol	80.0	73.7		ug/L		92	64 - 135
2,4,5-Trichlorophenol	80.0	69.3		ug/L		87	64 - 135
2,4,6-Trichlorophenol	80.0	73.9		ug/L		92	62 - 135
2,4-Dichlorophenol	80.0	66.6		ug/L		83	62 - 135
2,4-Dimethylphenol	80.0	46.0		ug/L		58	44 - 135
2,4-Dinitrophenol	160	136		ug/L		85	50 - 135
2,4-Dinitrotoluene	80.0	72.5		ug/L		91	65 - 135
2,6-Dichlorophenol	80.0	67.4		ug/L		84	50 - 150
2,6-Dinitrotoluene	80.0	71.5		ug/L		89	65 - 135
2-Chloronaphthalene	80.0	59.5		ug/L		74	59 - 135
2-Chlorophenol	80.0	65.2		ug/L		82	58 - 135
2-Methylnaphthalene	80.0	54.1		ug/L		68	56 - 135
2-Methylphenol	80.0	64.3		ug/L		80	62 - 135
2-Nitroaniline	80.0	71.0		ug/L		89	65 - 135
2-Nitrophenol	80.0	68.1		ug/L		85	65 - 135
3,3'-Dichlorobenzidine	160	119		ug/L		75	18 - 135
3-Methylphenol & 4-Methylphenol	80.0	60.3		ug/L		75	65 - 135
3-Nitroaniline	80.0	56.4		ug/L		70	38 - 135
4,6-Dinitro-2-methylphenol	160	145		ug/L		91	63 - 135
4-Bromophenyl phenyl ether	80.0	69.9		ug/L		87	65 - 135
4-Chloro-3-methylphenol	80.0	67.5		ug/L		84	65 - 135
4-Chloroaniline	80.0	52.8		ug/L		66	30 - 135
4-Chlorophenyl phenyl ether	80.0	65.1		ug/L		81	65 - 135
4-Nitroaniline	80.0	64.8		ug/L		81	65 - 135
4-Nitrophenol	160	140		ug/L		88	56 - 135
Acenaphthene	80.0	63.1		ug/L		79	61 - 135
Acenaphthylene	80.0	61.3		ug/L		77	63 - 135
Acetophenone	80.0	62.0		ug/L		78	65 - 135
Anthracene	80.0	68.5		ug/L		86	65 - 135
Benzo(a)anthracene	80.0	70.1		ug/L		88	65 - 135
Benzo(a)pyrene	80.0	65.7		ug/L		82	65 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-387901/2-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo(b)fluoranthene	80.0	71.7		ug/L		90	65 - 135
Benzo(ghi)perylene	80.0	68.9		ug/L		86	65 - 135
Benzo(k)fluoranthene	80.0	73.4		ug/L		92	65 - 135
Benzyl alcohol	80.0	64.9		ug/L		81	65 - 135
Bis(2-chloroethoxy)methane	80.0	66.3		ug/L		83	65 - 135
bis(2-Chloroethyl) ether	80.0	65.2		ug/L		82	65 - 135
Bis(2-ethylhexyl) phthalate	80.0	73.0		ug/L		91	65 - 135
Butyl benzyl phthalate	80.0	73.3		ug/L		92	65 - 135
Chrysene	80.0	71.8		ug/L		90	65 - 135
Dibenz(a,h)anthracene	80.0	69.0		ug/L		86	63 - 135
Dibenzofuran	80.0	64.2		ug/L		80	64 - 135
Diethyl phthalate	80.0	70.3		ug/L		88	65 - 135
Dimethyl phthalate	80.0	70.4		ug/L		88	65 - 135
Di-n-butyl phthalate	80.0	72.0		ug/L		90	65 - 135
Di-n-octyl phthalate	80.0	70.3		ug/L		88	65 - 135
Diphenylamine	68.0	55.9		ug/L		82	50 - 150
Fluoranthene	80.0	68.9		ug/L		86	65 - 135
Fluorene	80.0	64.3		ug/L		80	65 - 135
Hexachlorobenzene	80.0	69.4		ug/L		87	65 - 135
Hexachlorobutadiene	80.0	45.9		ug/L		57	35 - 135
Hexachlorocyclopentadiene	158	12.7	I J3	ug/L		8	10 - 135
Hexachloroethane	80.0	45.3		ug/L		57	32 - 135
Indeno(1,2,3-cd)pyrene	80.0	61.4		ug/L		77	65 - 135
Isophorone	80.0	63.2		ug/L		79	65 - 135
Naphthalene	80.0	53.9		ug/L		67	56 - 135
Nitrobenzene	80.0	66.0		ug/L		82	65 - 135
N-Nitrosodimethylamine	80.0	63.4		ug/L		79	62 - 150
N-Nitrosodi-n-propylamine	80.0	62.3		ug/L		78	65 - 135
N-Nitrosodiphenylamine	80.0	67.7		ug/L		85	65 - 135
Pentachlorophenol	160	134		ug/L		84	52 - 135
Phenanthrene	80.0	68.6		ug/L		86	65 - 135
Phenol	80.0	65.2		ug/L		81	61 - 135
Pyrene	80.0	71.8		ug/L		90	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*86*		*48 - 135*
2-Fluorobiphenyl	*78*		*48 - 135*
2-Fluorophenol	*78*		*41 - 135*
Nitrobenzene-d5	*78*		*42 - 135*
Phenol-d5	*79*		*46 - 135*
Terphenyl-d14	*88*		*20 - 135*

Lab Sample ID: LCS 280-387901/4-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	80.0	68.4		ug/L		85	50 - 150

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-387901/4-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Naphthoquinone	80.0	67.5		ug/L		84	50 - 150
1-Naphthylamine	80.0	65.1		ug/L		81	50 - 150
2-Acetylaminofluorene	80.0	76.1	I	ug/L		95	50 - 150
2-Naphthylamine	80.0	65.5		ug/L		82	50 - 150
3,3'-Dimethylbenzidine	80.0	53.0		ug/L		66	50 - 150
3-Methylcholanthrene	80.0	53.7		ug/L		67	50 - 150
4-Aminobiphenyl	80.0	64.7		ug/L		81	50 - 150
4-Dimethylaminoazobenzene	80.0	76.0		ug/L		95	50 - 150
4-Phenylenediamine	80.0	19.2	I J3	ug/L		24	50 - 150
5-Nitro-o-toluidine	80.0	67.5		ug/L		84	50 - 150
7,12-Dimethylbenz(a)anthracene	80.0	60.9		ug/L		76	50 - 150
Chlorobenzilate	80.0	77.2		ug/L		97	50 - 150
Diallate	80.0	73.3		ug/L		92	50 - 150
Dimethoate	80.0	83.4		ug/L		104	50 - 150
Dinoseb	80.0	70.1		ug/L		88	50 - 150
Disulfoton	80.0	71.7		ug/L		90	50 - 150
Ethyl methanesulfonate	80.0	66.4		ug/L		83	50 - 150
Hexachloropropene	80.0	52.9	I	ug/L		66	50 - 150
Isodrin	80.0	71.9		ug/L		90	50 - 150
Isosafrole	80.0	62.5		ug/L		78	50 - 150
Methapyrilene	80.0	51.8		ug/L		65	50 - 150
Methyl methanesulfonate	80.0	64.0		ug/L		80	50 - 150
Methyl parathion	80.0	84.5		ug/L		106	50 - 150
N-Nitrosodiethylamine	80.0	67.1		ug/L		84	50 - 150
N-Nitrosodi-n-butylamine	80.0	69.1		ug/L		86	50 - 150
N-Nitrosomethylethylamine	80.0	68.4		ug/L		86	50 - 150
N-Nitrosopiperidine	80.0	66.9		ug/L		84	50 - 150
N-Nitrosopyrrolidine	80.0	66.2		ug/L		83	50 - 150
O,O,O-Triethyl phosphorothioate	80.0	65.7		ug/L		82	50 - 150
o-Toluidine	80.0	63.4		ug/L		79	50 - 150
Parathion	80.0	76.4		ug/L		96	50 - 150
Pentachlorobenzene	80.0	66.6		ug/L		83	50 - 150
Pentachloronitrobenzene	80.0	73.7		ug/L		92	50 - 150
Phenacetin	80.0	73.6		ug/L		92	50 - 150
Phorate	80.0	73.4		ug/L		92	50 - 150
Pronamide	80.0	75.7		ug/L		95	50 - 150
Safrole	80.0	63.4		ug/L		79	50 - 150
Thionazin	80.0	74.1		ug/L		93	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*88*		*48 - 135*
2-Fluorobiphenyl	*81*		*48 - 135*
2-Fluorophenol	*80*		*41 - 135*
Nitrobenzene-d5	*80*		*42 - 135*
Phenol-d5	*79*		*46 - 135*
Terphenyl-d14	*90*		*20 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-387901/3-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	80.0	63.9		ug/L		80	52 - 135	11	30
1,2,4-Trichlorobenzene	80.0	52.7		ug/L		66	44 - 135	8	42
1,3-Dinitrobenzene	80.0	79.5		ug/L		99	65 - 135	6	30
1,4-Dichlorobenzene	80.0	52.2		ug/L		65	40 - 135	9	50
2,2'-oxybis(1-chloropropane)	80.0	67.1		ug/L		84	55 - 135	8	37
2,3,4,6-Tetrachlorophenol	80.0	76.6		ug/L		96	64 - 135	4	30
2,4,5-Trichlorophenol	80.0	75.8		ug/L		95	64 - 135	9	30
2,4,6-Trichlorophenol	80.0	79.1		ug/L		99	62 - 135	7	30
2,4-Dichlorophenol	80.0	72.9		ug/L		91	62 - 135	9	30
2,4-Dimethylphenol	80.0	49.1		ug/L		61	44 - 135	7	30
2,4-Dinitrophenol	160	144		ug/L		90	50 - 135	6	30
2,4-Dinitrotoluene	80.0	75.9		ug/L		95	65 - 135	4	32
2,6-Dichlorophenol	80.0	71.9		ug/L		90	50 - 150	7	50
2,6-Dinitrotoluene	80.0	74.9		ug/L		94	65 - 135	5	30
2-Chloronaphthalene	80.0	66.4		ug/L		83	59 - 135	11	30
2-Chlorophenol	80.0	70.9		ug/L		89	58 - 135	8	46
2-Methylnaphthalene	80.0	60.7		ug/L		76	56 - 135	11	32
2-Methylphenol	80.0	69.1		ug/L		86	62 - 135	7	40
2-Nitroaniline	80.0	76.5		ug/L		96	65 - 135	7	30
2-Nitrophenol	80.0	74.0		ug/L		92	65 - 135	8	38
3,3'-Dichlorobenzidine	160	125		ug/L		78	18 - 135	4	50
3-Methylphenol & 4-Methylphenol	80.0	64.3		ug/L		80	65 - 135	6	36
3-Nitroaniline	80.0	57.3		ug/L		72	38 - 135	2	30
4,6-Dinitro-2-methylphenol	160	152		ug/L		95	63 - 135	5	30
4-Bromophenyl phenyl ether	80.0	73.7		ug/L		92	65 - 135	5	30
4-Chloro-3-methylphenol	80.0	71.1		ug/L		89	65 - 135	5	30
4-Chloroaniline	80.0	54.8		ug/L		69	30 - 135	4	38
4-Chlorophenyl phenyl ether	80.0	68.5		ug/L		86	65 - 135	5	30
4-Nitroaniline	80.0	66.6		ug/L		83	65 - 135	3	34
4-Nitrophenol	160	143		ug/L		89	56 - 135	2	50
Acenaphthene	80.0	68.5		ug/L		86	61 - 135	8	30
Acenaphthylene	80.0	66.6		ug/L		83	63 - 135	8	30
Acetophenone	80.0	66.2		ug/L		83	65 - 135	7	35
Anthracene	80.0	70.9		ug/L		89	65 - 135	4	30
Benzo(a)anthracene	80.0	73.0		ug/L		91	65 - 135	4	30
Benzo(a)pyrene	80.0	70.8		ug/L		88	65 - 135	7	30
Benzo(b)fluoranthene	80.0	76.1		ug/L		95	65 - 135	6	30
Benzo(ghi)perylene	80.0	73.5		ug/L		92	65 - 135	7	30
Benzo(k)fluoranthene	80.0	78.8		ug/L		99	65 - 135	7	30
Benzyl alcohol	80.0	71.3		ug/L		89	65 - 135	9	37
Bis(2-chloroethoxy)methane	80.0	72.3		ug/L		90	65 - 135	9	30
bis(2-Chloroethyl) ether	80.0	71.0		ug/L		89	65 - 135	9	41
Bis(2-ethylhexyl) phthalate	80.0	76.9		ug/L		96	65 - 135	5	30
Butyl benzyl phthalate	80.0	76.1		ug/L		95	65 - 135	4	30
Chrysene	80.0	74.9		ug/L		94	65 - 135	4	30
Dibenz(a,h)anthracene	80.0	74.3		ug/L		93	63 - 135	7	30
Dibenzofuran	80.0	69.4		ug/L		87	64 - 135	8	30
Diethyl phthalate	80.0	73.7		ug/L		92	65 - 135	5	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-387901/3-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dimethyl phthalate	80.0	73.9		ug/L		92	65 - 135	5	30
Di-n-butyl phthalate	80.0	74.9		ug/L		94	65 - 135	4	30
Di-n-octyl phthalate	80.0	74.1		ug/L		93	65 - 135	5	30
Diphenylamine	68.0	57.8		ug/L		85	50 - 150	3	50
Fluoranthene	80.0	71.5		ug/L		89	65 - 135	4	30
Fluorene	80.0	67.4		ug/L		84	65 - 135	5	30
Hexachlorobenzene	80.0	72.4		ug/L		91	65 - 135	4	30
Hexachlorobutadiene	80.0	47.8		ug/L		60	35 - 135	4	47
Hexachlorocyclopentadiene	158	14.9	I J3	ug/L		9	10 - 135	16	66
Hexachloroethane	80.0	47.8		ug/L		60	32 - 135	5	53
Indeno(1,2,3-cd)pyrene	80.0	66.8		ug/L		83	65 - 135	8	30
Isophorone	80.0	68.1		ug/L		85	65 - 135	7	30
Naphthalene	80.0	58.5		ug/L		73	56 - 135	8	40
Nitrobenzene	80.0	72.8		ug/L		91	65 - 135	10	39
N-Nitrosodimethylamine	80.0	70.0		ug/L		87	62 - 150	10	36
N-Nitrosodi-n-propylamine	80.0	66.8		ug/L		83	65 - 135	7	30
N-Nitrosodiphenylamine	80.0	69.3		ug/L		87	65 - 135	2	30
Pentachlorophenol	160	140		ug/L		88	52 - 135	4	30
Phenanthrene	80.0	71.7		ug/L		90	65 - 135	4	30
Phenol	80.0	68.0		ug/L		85	61 - 135	4	37
Pyrene	80.0	74.7		ug/L		93	65 - 135	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*92*		*48 - 135*
2-Fluorobiphenyl	*86*		*48 - 135*
2-Fluorophenol	*83*		*41 - 135*
Nitrobenzene-d5	*86*		*42 - 135*
Phenol-d5	*82*		*46 - 135*
Terphenyl-d14	*92*		*20 - 135*

Lab Sample ID: LCSD 280-387901/5-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	80.0	66.8		ug/L		84	50 - 150	2	50
1,4-Naphthoquinone	80.0	65.0		ug/L		81	50 - 150	4	50
1-Naphthylamine	80.0	59.3		ug/L		74	50 - 150	9	50
2-Acetylaminofluorene	80.0	73.6	I	ug/L		92	50 - 150	3	50
2-Naphthylamine	80.0	57.3		ug/L		72	50 - 150	13	50
3,3'-Dimethylbenzidine	80.0	45.2		ug/L		57	50 - 150	16	50
3-Methylcholanthrene	80.0	54.5		ug/L		68	50 - 150	1	50
4-Aminobiphenyl	80.0	57.8		ug/L		72	50 - 150	11	50
4-Dimethylaminoazobenzene	80.0	73.7		ug/L		92	50 - 150	3	50
4-Phenylenediamine	80.0	31.0	I J3	ug/L		39	50 - 150	47	50
5-Nitro-o-toluidine	80.0	63.3		ug/L		79	50 - 150	6	50
7,12-Dimethylbenz(a)anthracene	80.0	59.5		ug/L		74	50 - 150	2	50
Chlorobenzilate	80.0	75.2		ug/L		94	50 - 150	3	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-387901/5-A
Matrix: Water
Analysis Batch: 388312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 387901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diallate	80.0	73.4		ug/L		92	50 - 150	0	50
Dimethoate	80.0	81.1		ug/L		101	50 - 150	3	50
Dinoseb	80.0	67.5		ug/L		84	50 - 150	4	50
Disulfoton	80.0	71.3		ug/L		89	50 - 150	1	50
Ethyl methanesulfonate	80.0	67.8		ug/L		85	50 - 150	2	50
Hexachloropropene	80.0	61.0	I	ug/L		76	50 - 150	14	50
Isodrin	80.0	71.5		ug/L		89	50 - 150	1	50
Isosafrole	80.0	62.7		ug/L		78	50 - 150	0	50
Methapyrilene	80.0	52.8		ug/L		66	50 - 150	2	50
Methyl methanesulfonate	80.0	66.8		ug/L		84	50 - 150	4	50
Methyl parathion	80.0	82.6		ug/L		103	50 - 150	2	50
N-Nitrosodiethylamine	80.0	68.2		ug/L		85	50 - 150	2	50
N-Nitrosodi-n-butylamine	80.0	69.1		ug/L		86	50 - 150	0	50
N-Nitrosomethylethylamine	80.0	68.0		ug/L		85	50 - 150	1	50
N-Nitrosopiperidine	80.0	68.1		ug/L		85	50 - 150	2	50
N-Nitrosopyrrolidine	80.0	66.6		ug/L		83	50 - 150	1	50
O,O,O-Triethyl phosphorothioate	80.0	67.4		ug/L		84	50 - 150	3	50
o-Toluidine	80.0	61.5		ug/L		77	50 - 150	3	50
Parathion	80.0	74.7		ug/L		93	50 - 150	2	50
Pentachlorobenzene	80.0	65.8		ug/L		82	50 - 150	1	50
Pentachloronitrobenzene	80.0	73.3		ug/L		92	50 - 150	1	50
Phenacetin	80.0	72.5		ug/L		91	50 - 150	1	50
Phorate	80.0	72.6		ug/L		91	50 - 150	1	50
Pronamide	80.0	74.5		ug/L		93	50 - 150	2	50
Safrole	80.0	65.6		ug/L		82	50 - 150	3	50
Thionazin	80.0	73.2		ug/L		91	50 - 150	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*82*		*48 - 135*
2-Fluorobiphenyl	*78*		*48 - 135*
2-Fluorophenol	*79*		*41 - 135*
Nitrobenzene-d5	*79*		*42 - 135*
Phenol-d5	*80*		*46 - 135*
Terphenyl-d14	*85*		*20 - 135*

Lab Sample ID: MB 280-388079/1-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	10	1.7	ug/L		09/19/17 13:13	09/25/17 17:13	1
1,2,4-Trichlorobenzene	0.28	U	4.0	0.28	ug/L		09/19/17 13:13	09/25/17 17:13	1
1,3,5-Trinitrobenzene	4.0	U	50	4.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
1,3-Dinitrobenzene	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
1,4-Naphthoquinone	14	U	50	14	ug/L		09/19/17 13:13	09/25/17 17:13	1
1-Naphthylamine	3.1	U	10	3.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,2'-oxybis(1-chloropropane)	0.28	U	10	0.28	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,3,4,6-Tetrachlorophenol	2.0	U	50	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-388079/1-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.45	U	10	0.45	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,4,6-Trichlorophenol	0.29	U	10	0.29	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,4-Dichlorophenol	0.64	U	10	0.64	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,4-Dimethylphenol	0.58	U	10	0.58	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,4-Dinitrophenol	10	U	30	10	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,4-Dinitrotoluene	1.7	U	10	1.7	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,6-Dichlorophenol	1.4	U	10	1.4	ug/L		09/19/17 13:13	09/25/17 17:13	1
2,6-Dinitrotoluene	1.9	U	10	1.9	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Acetylaminofluorene	7.0	U	100	7.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Chloronaphthalene	0.26	U	4.0	0.26	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Chlorophenol	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Methylnaphthalene	0.29	U	4.0	0.29	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Methylphenol	0.98	U	10	0.98	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Naphthylamine	3.1	U	10	3.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Nitroaniline	1.7	U	10	1.7	ug/L		09/19/17 13:13	09/25/17 17:13	1
2-Nitrophenol	0.39	U	10	0.39	ug/L		09/19/17 13:13	09/25/17 17:13	1
3,3'-Dichlorobenzidine	2.0	U	50	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
3,3'-Dimethylbenzidine	4.0	U	20	4.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
3-Methylcholanthrene	1.7	U	20	1.7	ug/L		09/19/17 13:13	09/25/17 17:13	1
3-Methylphenol & 4-Methylphenol	0.25	U	10	0.25	ug/L		09/19/17 13:13	09/25/17 17:13	1
3-Nitroaniline	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
4,6-Dinitro-2-methylphenol	4.0	U	50	4.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Aminobiphenyl	4.5	U	50	4.5	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Bromophenyl phenyl ether	0.43	U	10	0.43	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Chloro-3-methylphenol	2.4	U	10	2.4	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Chloroaniline	2.1	U	10	2.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Chlorophenyl phenyl ether	1.7	U	10	1.7	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Dimethylaminoazobenzene	2.0	U	20	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Nitroaniline	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Nitrophenol	1.2	U	10	1.2	ug/L		09/19/17 13:13	09/25/17 17:13	1
4-Phenylenediamine	5.0	U	100	5.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
5-Nitro-o-toluidine	1.4	U	20	1.4	ug/L		09/19/17 13:13	09/25/17 17:13	1
7,12-Dimethylbenz(a)anthracene	1.6	U	20	1.6	ug/L		09/19/17 13:13	09/25/17 17:13	1
Acenaphthene	0.28	U	4.0	0.28	ug/L		09/19/17 13:13	09/25/17 17:13	1
Acenaphthylene	0.49	U	4.0	0.49	ug/L		09/19/17 13:13	09/25/17 17:13	1
Acetophenone	0.24	U	10	0.24	ug/L		09/19/17 13:13	09/25/17 17:13	1
Anthracene	0.42	U	4.0	0.42	ug/L		09/19/17 13:13	09/25/17 17:13	1
Benzo(a)anthracene	0.35	U	4.0	0.35	ug/L		09/19/17 13:13	09/25/17 17:13	1
Benzo(a)pyrene	0.31	U	4.0	0.31	ug/L		09/19/17 13:13	09/25/17 17:13	1
Benzo(b)fluoranthene	0.53	U	4.0	0.53	ug/L		09/19/17 13:13	09/25/17 17:13	1
Benzo(ghi)perylene	0.50	U	4.0	0.50	ug/L		09/19/17 13:13	09/25/17 17:13	1
Benzo(k)fluoranthene	0.46	U	4.0	0.46	ug/L		09/19/17 13:13	09/25/17 17:13	1
Benzyl alcohol	0.23	U	10	0.23	ug/L		09/19/17 13:13	09/25/17 17:13	1
Bis(2-chloroethoxy)methane	0.97	U	10	0.97	ug/L		09/19/17 13:13	09/25/17 17:13	1
bis(2-Chloroethyl) ether	0.41	U	10	0.41	ug/L		09/19/17 13:13	09/25/17 17:13	1
Bis(2-ethylhexyl) phthalate	0.56	U	10	0.56	ug/L		09/19/17 13:13	09/25/17 17:13	1
Butyl benzyl phthalate	1.0	U	4.0	1.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Chlorobenzilate	0.66	U	10	0.66	ug/L		09/19/17 13:13	09/25/17 17:13	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-388079/1-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	0.54	U	4.0	0.54	ug/L		09/19/17 13:13	09/25/17 17:13	1
Diallate	0.56	U	5.6	0.56	ug/L		09/19/17 13:13	09/25/17 17:13	1
Dibenz(a,h)anthracene	0.51	U	4.0	0.51	ug/L		09/19/17 13:13	09/25/17 17:13	1
Dibenzofuran	0.29	U	4.0	0.29	ug/L		09/19/17 13:13	09/25/17 17:13	1
Diethyl phthalate	0.38	U	4.0	0.38	ug/L		09/19/17 13:13	09/25/17 17:13	1
Dimethoate	1.1	U	20	1.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
Dimethyl phthalate	0.21	U	4.0	0.21	ug/L		09/19/17 13:13	09/25/17 17:13	1
Di-n-butyl phthalate	1.2	U	4.0	1.2	ug/L		09/19/17 13:13	09/25/17 17:13	1
Di-n-octyl phthalate	0.35	U	4.0	0.35	ug/L		09/19/17 13:13	09/25/17 17:13	1
Dinoseb	4.0	U	20	4.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Diphenylamine	1.1	U	10	1.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
Disulfoton	1.1	U	50	1.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
Ethyl methanesulfonate	0.94	U	10	0.94	ug/L		09/19/17 13:13	09/25/17 17:13	1
Famphur	1.5	U	100	1.5	ug/L		09/19/17 13:13	09/25/17 17:13	1
Fluoranthene	0.20	U	4.0	0.20	ug/L		09/19/17 13:13	09/25/17 17:13	1
Fluorene	0.31	U	4.0	0.31	ug/L		09/19/17 13:13	09/25/17 17:13	1
Hexachlorobenzene	0.66	U	10	0.66	ug/L		09/19/17 13:13	09/25/17 17:13	1
Hexachlorobutadiene	3.3	U	10	3.3	ug/L		09/19/17 13:13	09/25/17 17:13	1
Hexachlorocyclopentadiene	10	U	50	10	ug/L		09/19/17 13:13	09/25/17 17:13	1
Hexachloroethane	2.1	U	10	2.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
Hexachloropropene	2.0	U	100	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Indeno(1,2,3-cd)pyrene	0.65	U	4.0	0.65	ug/L		09/19/17 13:13	09/25/17 17:13	1
Isodrin	1.8	U	10	1.8	ug/L		09/19/17 13:13	09/25/17 17:13	1
Isophorone	0.21	U	10	0.21	ug/L		09/19/17 13:13	09/25/17 17:13	1
Isosafrole	1.0	U	3.5	1.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Methapyrilene	20	U	50	20	ug/L		09/19/17 13:13	09/25/17 17:13	1
Methyl methanesulfonate	1.0	U	10	1.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Methyl parathion	3.2	U	50	3.2	ug/L		09/19/17 13:13	09/25/17 17:13	1
Naphthalene	0.29	U	4.0	0.29	ug/L		09/19/17 13:13	09/25/17 17:13	1
Nitrobenzene	0.81	U	10	0.81	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosodiethylamine	1.7	U	10	1.7	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosodimethylamine	0.29	U	10	0.29	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosodi-n-butylamine	1.2	U	10	1.2	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosodi-n-propylamine	0.35	U	10	0.35	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosodiphenylamine	0.44	U	10	0.44	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosomethylethylamine	1.8	U	10	1.8	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosopiperidine	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
N-Nitrosopyrrolidine	0.80	U	10	0.80	ug/L		09/19/17 13:13	09/25/17 17:13	1
O,O,O-Triethyl phosphorothioate	2.0	U	50	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
o-Toluidine	1.4	U	10	1.4	ug/L		09/19/17 13:13	09/25/17 17:13	1
Parathion	2.0	U	50	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Pentachlorobenzene	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Pentachloronitrobenzene	2.0	U	50	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Pentachlorophenol	20	U	50	20	ug/L		09/19/17 13:13	09/25/17 17:13	1
Phenacetin	1.1	U	20	1.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
Phenanthrene	0.26	U	4.0	0.26	ug/L		09/19/17 13:13	09/25/17 17:13	1
Phenol	2.0	U	10	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Phorate	2.0	U	50	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-388079/1-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pronamide	2.0	U	20	2.0	ug/L		09/19/17 13:13	09/25/17 17:13	1
Pyrene	0.37	U	10	0.37	ug/L		09/19/17 13:13	09/25/17 17:13	1
Safrole	1.1	U	20	1.1	ug/L		09/19/17 13:13	09/25/17 17:13	1
Thionazin	0.86	U	50	0.86	ug/L		09/19/17 13:13	09/25/17 17:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*48 - 135*	*09/19/17 13:13*	*09/25/17 17:13*	*1*
2-Fluorobiphenyl	*86*		*48 - 135*	*09/19/17 13:13*	*09/25/17 17:13*	*1*
2-Fluorophenol	*83*		*41 - 135*	*09/19/17 13:13*	*09/25/17 17:13*	*1*
Nitrobenzene-d5	*78*		*42 - 135*	*09/19/17 13:13*	*09/25/17 17:13*	*1*
Phenol-d5	*81*		*46 - 135*	*09/19/17 13:13*	*09/25/17 17:13*	*1*
Terphenyl-d14	*97*		*20 - 135*	*09/19/17 13:13*	*09/25/17 17:13*	*1*

Lab Sample ID: LCS 280-388079/2-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	80.0	65.8		ug/L		82	52 - 135
1,2,4-Trichlorobenzene	80.0	64.3		ug/L		80	44 - 135
1,3-Dinitrobenzene	80.0	72.9		ug/L		91	65 - 135
1,4-Dichlorobenzene	80.0	58.0		ug/L		72	40 - 135
2,2'-oxybis(1-chloropropane)	80.0	62.3		ug/L		78	55 - 135
2,3,4,6-Tetrachlorophenol	80.0	69.4		ug/L		87	64 - 135
2,4,5-Trichlorophenol	80.0	70.6		ug/L		88	64 - 135
2,4,6-Trichlorophenol	80.0	71.3		ug/L		89	62 - 135
2,4-Dichlorophenol	80.0	70.1		ug/L		88	62 - 135
2,4-Dimethylphenol	80.0	48.5		ug/L		61	44 - 135
2,4-Dinitrophenol	160	124		ug/L		78	50 - 135
2,4-Dinitrotoluene	80.0	72.0		ug/L		90	65 - 135
2,6-Dichlorophenol	80.0	70.7		ug/L		88	50 - 150
2,6-Dinitrotoluene	80.0	71.1		ug/L		89	65 - 135
2-Chloronaphthalene	80.0	67.1		ug/L		84	59 - 135
2-Chlorophenol	80.0	67.2		ug/L		84	58 - 135
2-Methylnaphthalene	80.0	66.5		ug/L		83	56 - 135
2-Methylphenol	80.0	67.2		ug/L		84	62 - 135
2-Nitroaniline	80.0	66.5		ug/L		83	65 - 135
2-Nitrophenol	80.0	68.1		ug/L		85	65 - 135
3,3'-Dichlorobenzidine	160	126		ug/L		79	18 - 135
3-Methylphenol & 4-Methylphenol	80.0	67.7		ug/L		85	65 - 135
3-Nitroaniline	80.0	57.4		ug/L		72	38 - 135
4,6-Dinitro-2-methylphenol	160	139		ug/L		87	63 - 135
4-Bromophenyl phenyl ether	80.0	67.7		ug/L		85	65 - 135
4-Chloro-3-methylphenol	80.0	67.5		ug/L		84	65 - 135
4-Chloroaniline	80.0	59.4		ug/L		74	30 - 135
4-Chlorophenyl phenyl ether	80.0	67.8		ug/L		85	65 - 135
4-Nitroaniline	80.0	69.7		ug/L		87	65 - 135
4-Nitrophenol	160	135		ug/L		85	56 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-388079/2-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	67.8		ug/L		85	61 - 135
Acenaphthylene	80.0	66.6		ug/L		83	63 - 135
Acetophenone	80.0	65.8		ug/L		82	65 - 135
Anthracene	80.0	68.3		ug/L		85	65 - 135
Benzo(a)anthracene	80.0	67.3		ug/L		84	65 - 135
Benzo(a)pyrene	80.0	63.6		ug/L		80	65 - 135
Benzo(b)fluoranthene	80.0	68.4		ug/L		85	65 - 135
Benzo(ghi)perylene	80.0	68.4		ug/L		85	65 - 135
Benzo(k)fluoranthene	80.0	70.5		ug/L		88	65 - 135
Benzyl alcohol	80.0	65.9		ug/L		82	65 - 135
Bis(2-chloroethoxy)methane	80.0	67.7		ug/L		85	65 - 135
bis(2-Chloroethyl) ether	80.0	67.9		ug/L		85	65 - 135
Bis(2-ethylhexyl) phthalate	80.0	64.6		ug/L		81	65 - 135
Butyl benzyl phthalate	80.0	64.9		ug/L		81	65 - 135
Chrysene	80.0	70.1		ug/L		88	65 - 135
Dibenz(a,h)anthracene	80.0	67.5		ug/L		84	63 - 135
Dibenzofuran	80.0	68.8		ug/L		86	64 - 135
Diethyl phthalate	80.0	68.9		ug/L		86	65 - 135
Dimethyl phthalate	80.0	70.5		ug/L		88	65 - 135
Di-n-butyl phthalate	80.0	67.3		ug/L		84	65 - 135
Di-n-octyl phthalate	80.0	61.2		ug/L		76	65 - 135
Diphenylamine	68.0	57.2		ug/L		84	50 - 150
Fluoranthene	80.0	69.1		ug/L		86	65 - 135
Fluorene	80.0	67.5		ug/L		84	65 - 135
Hexachlorobenzene	80.0	68.7		ug/L		86	65 - 135
Hexachlorobutadiene	80.0	59.7		ug/L		75	35 - 135
Hexachlorocyclopentadiene	158	39.1	I	ug/L		25	10 - 135
Hexachloroethane	80.0	51.5		ug/L		64	32 - 135
Indeno(1,2,3-cd)pyrene	80.0	62.2		ug/L		78	65 - 135
Isophorone	80.0	64.0		ug/L		80	65 - 135
Naphthalene	80.0	65.6		ug/L		82	56 - 135
Nitrobenzene	80.0	66.2		ug/L		83	65 - 135
N-Nitrosodimethylamine	80.0	66.5		ug/L		83	62 - 150
N-Nitrosodi-n-propylamine	80.0	63.5		ug/L		79	65 - 135
N-Nitrosodiphenylamine	80.0	67.0		ug/L		84	65 - 135
Pentachlorophenol	160	120		ug/L		75	52 - 135
Phenanthrene	80.0	70.4		ug/L		88	65 - 135
Phenol	80.0	67.4		ug/L		84	61 - 135
Pyrene	80.0	68.7		ug/L		86	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*48 - 135*
2-Fluorobiphenyl	*83*		*48 - 135*
2-Fluorophenol	*81*		*41 - 135*
Nitrobenzene-d5	*77*		*42 - 135*
Phenol-d5	*82*		*46 - 135*
Terphenyl-d14	*86*		*20 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-388079/4-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	80.0	59.3		ug/L		74	50 - 150
1,4-Naphthoquinone	80.0	56.7		ug/L		71	50 - 150
1-Naphthylamine	80.0	48.6		ug/L		61	50 - 150
2-Acetylaminofluorene	80.0	65.4	I	ug/L		82	50 - 150
2-Naphthylamine	80.0	47.1		ug/L		59	50 - 150
3,3'-Dimethylbenzidine	80.0	40.1		ug/L		50	50 - 150
3-Methylcholanthrene	80.0	46.1		ug/L		58	50 - 150
4-Aminobiphenyl	80.0	49.1	I	ug/L		61	50 - 150
4-Dimethylaminoazobenzene	80.0	59.5		ug/L		74	50 - 150
4-Phenylenediamine	80.0	38.6	I J3	ug/L		48	50 - 150
5-Nitro-o-toluidine	80.0	51.0		ug/L		64	50 - 150
7,12-Dimethylbenz(a)anthracene	80.0	48.1		ug/L		60	50 - 150
Chlorobenzilate	80.0	61.7		ug/L		77	50 - 150
Diallate	80.0	59.7		ug/L		75	50 - 150
Dimethoate	80.0	66.0		ug/L		82	50 - 150
Dinoseb	80.0	59.0		ug/L		74	50 - 150
Disulfoton	80.0	57.8		ug/L		72	50 - 150
Ethyl methanesulfonate	80.0	59.5		ug/L		74	50 - 150
Hexachloropropene	80.0	47.1	I	ug/L		59	50 - 150
Isodrin	80.0	61.6		ug/L		77	50 - 150
Isosafrole	80.0	50.0		ug/L		63	50 - 150
Methapyrilene	80.0	53.2		ug/L		67	50 - 150
Methyl methanesulfonate	80.0	53.9		ug/L		67	50 - 150
Methyl parathion	80.0	65.8		ug/L		82	50 - 150
N-Nitrosodiethylamine	80.0	61.8		ug/L		77	50 - 150
N-Nitrosodi-n-butylamine	80.0	61.9		ug/L		77	50 - 150
N-Nitrosomethylethylamine	80.0	62.0		ug/L		77	50 - 150
N-Nitrosopiperidine	80.0	62.8		ug/L		78	50 - 150
N-Nitrosopyrrolidine	80.0	62.0		ug/L		78	50 - 150
O,O,O-Triethyl phosphorothioate	80.0	61.0		ug/L		76	50 - 150
o-Toluidine	80.0	59.7		ug/L		75	50 - 150
Parathion	80.0	61.7		ug/L		77	50 - 150
Pentachlorobenzene	80.0	58.4		ug/L		73	50 - 150
Pentachloronitrobenzene	80.0	61.3		ug/L		77	50 - 150
Phenacetin	80.0	64.5		ug/L		81	50 - 150
Phorate	80.0	59.6		ug/L		74	50 - 150
Pronamide	80.0	64.8		ug/L		81	50 - 150
Safrole	80.0	59.6		ug/L		74	50 - 150
Thionazin	80.0	61.5		ug/L		77	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*77*		*48 - 135*
2-Fluorobiphenyl	*71*		*48 - 135*
2-Fluorophenol	*74*		*41 - 135*
Nitrobenzene-d5	*67*		*42 - 135*
Phenol-d5	*72*		*46 - 135*
Terphenyl-d14	*79*		*20 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-388079/3-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	80.0	60.1		ug/L		75	52 - 135	9	30
1,2,4-Trichlorobenzene	80.0	57.9		ug/L		72	44 - 135	10	42
1,3-Dinitrobenzene	80.0	73.0		ug/L		91	65 - 135	0	30
1,4-Dichlorobenzene	80.0	53.8		ug/L		67	40 - 135	7	50
2,2'-oxybis(1-chloropropane)	80.0	59.2		ug/L		74	55 - 135	5	37
2,3,4,6-Tetrachlorophenol	80.0	66.7		ug/L		83	64 - 135	4	30
2,4,5-Trichlorophenol	80.0	68.5		ug/L		86	64 - 135	3	30
2,4,6-Trichlorophenol	80.0	67.8		ug/L		85	62 - 135	5	30
2,4-Dichlorophenol	80.0	65.3		ug/L		82	62 - 135	7	30
2,4-Dimethylphenol	80.0	47.4		ug/L		59	44 - 135	2	30
2,4-Dinitrophenol	160	126		ug/L		78	50 - 135	1	30
2,4-Dinitrotoluene	80.0	69.4		ug/L		87	65 - 135	4	32
2,6-Dichlorophenol	80.0	66.2		ug/L		83	50 - 150	7	50
2,6-Dinitrotoluene	80.0	67.8		ug/L		85	65 - 135	5	30
2-Chloronaphthalene	80.0	62.2		ug/L		78	59 - 135	8	30
2-Chlorophenol	80.0	64.2		ug/L		80	58 - 135	5	46
2-Methylnaphthalene	80.0	60.3		ug/L		75	56 - 135	10	32
2-Methylphenol	80.0	64.8		ug/L		81	62 - 135	4	40
2-Nitroaniline	80.0	64.2		ug/L		80	65 - 135	3	30
2-Nitrophenol	80.0	65.1		ug/L		81	65 - 135	5	38
3,3'-Dichlorobenzidine	160	121		ug/L		76	18 - 135	4	50
3-Methylphenol & 4-Methylphenol	80.0	63.9		ug/L		80	65 - 135	6	36
3-Nitroaniline	80.0	55.5		ug/L		69	38 - 135	3	30
4,6-Dinitro-2-methylphenol	160	136		ug/L		85	63 - 135	2	30
4-Bromophenyl phenyl ether	80.0	65.3		ug/L		82	65 - 135	4	30
4-Chloro-3-methylphenol	80.0	64.7		ug/L		81	65 - 135	4	30
4-Chloroaniline	80.0	55.3		ug/L		69	30 - 135	7	38
4-Chlorophenyl phenyl ether	80.0	63.7		ug/L		80	65 - 135	6	30
4-Nitroaniline	80.0	66.4		ug/L		83	65 - 135	5	34
4-Nitrophenol	160	133		ug/L		83	56 - 135	2	50
Acenaphthene	80.0	63.5		ug/L		79	61 - 135	6	30
Acenaphthylene	80.0	63.3		ug/L		79	63 - 135	5	30
Acetophenone	80.0	63.4		ug/L		79	65 - 135	4	35
Anthracene	80.0	64.6		ug/L		81	65 - 135	6	30
Benzo(a)anthracene	80.0	64.2		ug/L		80	65 - 135	5	30
Benzo(a)pyrene	80.0	61.1		ug/L		76	65 - 135	4	30
Benzo(b)fluoranthene	80.0	63.6		ug/L		79	65 - 135	7	30
Benzo(ghi)perylene	80.0	65.9		ug/L		82	65 - 135	4	30
Benzo(k)fluoranthene	80.0	68.9		ug/L		86	65 - 135	2	30
Benzyl alcohol	80.0	63.4		ug/L		79	65 - 135	4	37
Bis(2-chloroethoxy)methane	80.0	63.5		ug/L		79	65 - 135	7	30
bis(2-Chloroethyl) ether	80.0	64.1		ug/L		80	65 - 135	6	41
Bis(2-ethylhexyl) phthalate	80.0	61.9		ug/L		77	65 - 135	4	30
Butyl benzyl phthalate	80.0	60.7		ug/L		76	65 - 135	7	30
Chrysene	80.0	66.5		ug/L		83	65 - 135	5	30
Dibenz(a,h)anthracene	80.0	64.4		ug/L		80	63 - 135	5	30
Dibenzofuran	80.0	64.7		ug/L		81	64 - 135	6	30
Diethyl phthalate	80.0	66.6		ug/L		83	65 - 135	3	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-388079/3-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dimethyl phthalate	80.0	69.3		ug/L		87	65 - 135	2	30
Di-n-butyl phthalate	80.0	64.5		ug/L		81	65 - 135	4	30
Di-n-octyl phthalate	80.0	58.1		ug/L		73	65 - 135	5	30
Diphenylamine	68.0	55.2		ug/L		81	50 - 150	4	50
Fluoranthene	80.0	65.4		ug/L		82	65 - 135	6	30
Fluorene	80.0	64.2		ug/L		80	65 - 135	5	30
Hexachlorobenzene	80.0	64.6		ug/L		81	65 - 135	6	30
Hexachlorobutadiene	80.0	53.2		ug/L		66	35 - 135	12	47
Hexachlorocyclopentadiene	158	40.9	I	ug/L		26	10 - 135	4	66
Hexachloroethane	80.0	48.4		ug/L		61	32 - 135	6	53
Indeno(1,2,3-cd)pyrene	80.0	58.7		ug/L		73	65 - 135	6	30
Isophorone	80.0	60.2		ug/L		75	65 - 135	6	30
Naphthalene	80.0	60.1		ug/L		75	56 - 135	9	40
Nitrobenzene	80.0	62.1		ug/L		78	65 - 135	6	39
N-Nitrosodimethylamine	80.0	62.9		ug/L		79	62 - 150	6	36
N-Nitrosodi-n-propylamine	80.0	61.9		ug/L		77	65 - 135	3	30
N-Nitrosodiphenylamine	80.0	64.6		ug/L		81	65 - 135	4	30
Pentachlorophenol	160	116		ug/L		72	52 - 135	4	30
Phenanthrene	80.0	66.4		ug/L		83	65 - 135	6	30
Phenol	80.0	62.5		ug/L		78	61 - 135	8	37
Pyrene	80.0	64.8		ug/L		81	65 - 135	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*88*		*48 - 135*
2-Fluorobiphenyl	*78*		*48 - 135*
2-Fluorophenol	*75*		*41 - 135*
Nitrobenzene-d5	*72*		*42 - 135*
Phenol-d5	*77*		*46 - 135*
Terphenyl-d14	*82*		*20 - 135*

Lab Sample ID: LCSD 280-388079/5-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	80.0	74.3		ug/L		93	50 - 150	22	50
1,4-Naphthoquinone	80.0	72.3		ug/L		90	50 - 150	24	50
1-Naphthylamine	80.0	55.4		ug/L		69	50 - 150	13	50
2-Acetylaminofluorene	80.0	81.2	I	ug/L		102	50 - 150	22	50
2-Naphthylamine	80.0	56.9		ug/L		71	50 - 150	19	50
3,3'-Dimethylbenzidine	80.0	36.5	J3	ug/L		46	50 - 150	9	50
3-Methylcholanthrene	80.0	58.0		ug/L		72	50 - 150	23	50
4-Aminobiphenyl	80.0	59.2		ug/L		74	50 - 150	19	50
4-Dimethylaminoazobenzene	80.0	74.0		ug/L		93	50 - 150	22	50
4-Phenylenediamine	80.0	31.3	I J3	ug/L		39	50 - 150	21	50
5-Nitro-o-toluidine	80.0	61.6		ug/L		77	50 - 150	19	50
7,12-Dimethylbenz(a)anthracene	80.0	60.4		ug/L		75	50 - 150	23	50
Chlorobenzilate	80.0	74.7		ug/L		93	50 - 150	19	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-388079/5-A
Matrix: Water
Analysis Batch: 388812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 388079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diallate	80.0	73.2		ug/L		92	50 - 150	20	50
Dimethoate	80.0	79.7		ug/L		100	50 - 150	19	50
Dinoseb	80.0	76.3		ug/L		95	50 - 150	26	50
Disulfoton	80.0	70.9		ug/L		89	50 - 150	20	50
Ethyl methanesulfonate	80.0	71.3		ug/L		89	50 - 150	18	50
Hexachloropropene	80.0	57.0	I	ug/L		71	50 - 150	19	50
Isodrin	80.0	75.0		ug/L		94	50 - 150	20	50
Isosafrole	80.0	63.5		ug/L		79	50 - 150	24	50
Methapyrilene	80.0	55.2		ug/L		69	50 - 150	4	50
Methyl methanesulfonate	80.0	65.3		ug/L		82	50 - 150	19	50
Methyl parathion	80.0	80.7		ug/L		101	50 - 150	20	50
N-Nitrosodiethylamine	80.0	72.0		ug/L		90	50 - 150	15	50
N-Nitrosodi-n-butylamine	80.0	73.9		ug/L		92	50 - 150	18	50
N-Nitrosomethylethylamine	80.0	74.0		ug/L		93	50 - 150	18	50
N-Nitrosopiperidine	80.0	75.6		ug/L		95	50 - 150	19	50
N-Nitrosopyrrolidine	80.0	75.0		ug/L		94	50 - 150	19	50
O,O,O-Triethyl phosphorothioate	80.0	72.6		ug/L		91	50 - 150	17	50
o-Toluidine	80.0	59.3		ug/L		74	50 - 150	1	50
Parathion	80.0	76.0		ug/L		95	50 - 150	21	50
Pentachlorobenzene	80.0	73.9		ug/L		92	50 - 150	23	50
Pentachloronitrobenzene	80.0	75.4		ug/L		94	50 - 150	21	50
Phenacetin	80.0	77.4		ug/L		97	50 - 150	18	50
Phorate	80.0	72.9		ug/L		91	50 - 150	20	50
Pronamide	80.0	77.1		ug/L		96	50 - 150	17	50
Safrole	80.0	72.7		ug/L		91	50 - 150	20	50
Thionazin	80.0	76.3		ug/L		95	50 - 150	21	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*94*		*48 - 135*
2-Fluorobiphenyl	*85*		*48 - 135*
2-Fluorophenol	*85*		*41 - 135*
Nitrobenzene-d5	*79*		*42 - 135*
Phenol-d5	*86*		*46 - 135*
Terphenyl-d14	*90*		*20 - 135*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 280-389141/2-A
Matrix: Water
Analysis Batch: 389172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0037	U	0.020	0.0037	ug/L		09/27/17 11:59	09/28/17 06:50	1
1,2-Dibromo-3-Chloropropane	0.0068	U	0.020	0.0068	ug/L		09/27/17 11:59	09/28/17 06:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*146*	*J1*	*70 - 130*	*09/27/17 11:59*	*09/28/17 06:50*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCS 280-389141/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389172 — **Prep Batch: 389141**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.250	0.260		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	0.250	0.280		ug/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*118*		*70 - 130*

Lab Sample ID: LCSD 280-389141/4-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389172 — **Prep Batch: 389141**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.250	0.253		ug/L		101	70 - 130	3	10
1,2-Dibromo-3-Chloropropane	0.250	0.273		ug/L		109	70 - 130	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*116*		*70 - 130*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-388270/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388463 — **Prep Batch: 388270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.050	0.0077	ug/L		09/20/17 11:16	09/21/17 16:40	1
4,4'-DDE	0.0075	U	0.050	0.0075	ug/L		09/20/17 11:16	09/21/17 16:40	1
4,4'-DDT	0.015	U	0.050	0.015	ug/L		09/20/17 11:16	09/21/17 16:40	1
Aldrin	0.0059	U	0.050	0.0059	ug/L		09/20/17 11:16	09/21/17 16:40	1
alpha-BHC	0.0053	U	0.050	0.0053	ug/L		09/20/17 11:16	09/21/17 16:40	1
beta-BHC	0.0087	U	0.050	0.0087	ug/L		09/20/17 11:16	09/21/17 16:40	1
delta-BHC	0.0058	U	0.050	0.0058	ug/L		09/20/17 11:16	09/21/17 16:40	1
Dieldrin	0.0063	U	0.050	0.0063	ug/L		09/20/17 11:16	09/21/17 16:40	1
Endosulfan I	0.0058	U	0.050	0.0058	ug/L		09/20/17 11:16	09/21/17 16:40	1
Endosulfan II	0.0070	U	0.050	0.0070	ug/L		09/20/17 11:16	09/21/17 16:40	1
Endosulfan sulfate	0.0057	U	0.050	0.0057	ug/L		09/20/17 11:16	09/21/17 16:40	1
Endrin	0.0079	U	0.050	0.0079	ug/L		09/20/17 11:16	09/21/17 16:40	1
Endrin aldehyde	0.0088	U	0.050	0.0088	ug/L		09/20/17 11:16	09/21/17 16:40	1
gamma-BHC (Lindane)	0.0069	U	0.050	0.0069	ug/L		09/20/17 11:16	09/21/17 16:40	1
Heptachlor	0.0077	U	0.050	0.0077	ug/L		09/20/17 11:16	09/21/17 16:40	1
Heptachlor epoxide	0.0075	U	0.050	0.0075	ug/L		09/20/17 11:16	09/21/17 16:40	1
Kepone	0.35	U	1.0	0.35	ug/L		09/20/17 11:16	09/21/17 16:40	1
Methoxychlor	0.013	U	0.10	0.013	ug/L		09/20/17 11:16	09/21/17 16:40	1
Toxaphene	0.37	U	2.0	0.37	ug/L		09/20/17 11:16	09/21/17 16:40	1
Technical Chlordane	0.14	U	0.50	0.14	ug/L		09/20/17 11:16	09/21/17 16:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*34 - 122*	*09/20/17 11:16*	*09/21/17 16:40*	*1*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 280-388270/1-A
Matrix: Water
Analysis Batch: 388463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388270

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		28 - 115	09/20/17 11:16	09/21/17 16:40	1

Lab Sample ID: LCS 280-388270/2-A
Matrix: Water
Analysis Batch: 388463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.500	0.454		ug/L		91	78 - 138
4,4'-DDE	0.500	0.381		ug/L		76	74 - 124
4,4'-DDT	0.500	0.442		ug/L		88	72 - 139
Aldrin	0.500	0.240		ug/L		48	44 - 127
alpha-BHC	0.500	0.419		ug/L		84	73 - 133
beta-BHC	0.500	0.407		ug/L		81	67 - 133
delta-BHC	0.500	0.428		ug/L		86	72 - 135
Dieldrin	0.500	0.446		ug/L		89	78 - 132
Endosulfan I	0.500	0.408		ug/L		82	73 - 128
Endosulfan II	0.500	0.418		ug/L		84	75 - 132
Endosulfan sulfate	0.500	0.467		ug/L		93	77 - 135
Endrin	0.500	0.444		ug/L		89	74 - 171
Endrin aldehyde	0.500	0.421		ug/L		84	59 - 136
Endrin ketone	0.500	0.437		ug/L		87	75 - 137
gamma-BHC (Lindane)	0.500	0.429		ug/L		86	71 - 132
Heptachlor	0.500	0.294		ug/L		59	52 - 129
Methoxychlor	0.500	0.434		ug/L		87	67 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	84		34 - 122
Tetrachloro-m-xylene	51		28 - 115

Lab Sample ID: LCSD 280-388270/3-A
Matrix: Water
Analysis Batch: 388463

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 388270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.500	0.498		ug/L		100	78 - 138	9	50
4,4'-DDE	0.500	0.418		ug/L		84	74 - 124	9	50
4,4'-DDT	0.500	0.484		ug/L		97	72 - 139	9	25
Aldrin	0.500	0.249		ug/L		50	44 - 127	3	33
alpha-BHC	0.500	0.475		ug/L		95	73 - 133	13	50
beta-BHC	0.500	0.468		ug/L		94	67 - 133	14	50
delta-BHC	0.500	0.489		ug/L		98	72 - 135	13	50
Dieldrin	0.500	0.491		ug/L		98	78 - 132	9	22
Endosulfan I	0.500	0.451		ug/L		90	73 - 128	10	50
Endosulfan II	0.500	0.457		ug/L		91	75 - 132	9	50
Endosulfan sulfate	0.500	0.501		ug/L		100	77 - 135	7	50
Endrin	0.500	0.485		ug/L		97	74 - 171	9	39
Endrin aldehyde	0.500	0.458		ug/L		92	59 - 136	8	50
Endrin ketone	0.500	0.472		ug/L		94	75 - 137	8	50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 280-388270/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388463 — **Prep Batch: 388270**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC (Lindane)	0.500	0.489		ug/L		98	71 - 132	13	26
Heptachlor	0.500	0.338		ug/L		68	52 - 129	14	27
Methoxychlor	0.500	0.463		ug/L		93	67 - 150	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*34 - 122*
Tetrachloro-m-xylene	*50*		*28 - 115*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 280-388270/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388439 — **Prep Batch: 388270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	1.0	0.12	ug/L		09/20/17 11:16	09/21/17 13:25	1
Aroclor 1221	0.21	U	1.0	0.21	ug/L		09/20/17 11:16	09/21/17 13:25	1
Aroclor 1232	0.17	U	1.0	0.17	ug/L		09/20/17 11:16	09/21/17 13:25	1
Aroclor 1242	0.10	U	1.0	0.10	ug/L		09/20/17 11:16	09/21/17 13:25	1
Aroclor 1248	0.092	U	1.0	0.092	ug/L		09/20/17 11:16	09/21/17 13:25	1
Aroclor 1254	0.11	U	1.0	0.11	ug/L		09/20/17 11:16	09/21/17 13:25	1
Aroclor 1260	0.16	U	1.0	0.16	ug/L		09/20/17 11:16	09/21/17 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*30 - 136*	*09/20/17 11:16*	*09/21/17 13:25*	*1*
Tetrachloro-m-xylene	*88*		*25 - 120*	*09/20/17 11:16*	*09/21/17 13:25*	*1*

Lab Sample ID: LCS 280-388270/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388439 — **Prep Batch: 388270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	2.00	1.57		ug/L		78	58 - 128
Aroclor 1260	2.00	1.88		ug/L		94	69 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*30 - 136*
Tetrachloro-m-xylene	*51*		*25 - 120*

Lab Sample ID: LCSD 280-388270/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388439 — **Prep Batch: 388270**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	2.00	1.87		ug/L		93	58 - 128	17	30
Aroclor 1260	2.00	2.14		ug/L		107	69 - 140	13	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 280-388270/5-A
Matrix: Water
Analysis Batch: 388439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 388270

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	97		30 - 136
Tetrachloro-m-xylene	78		25 - 120

Lab Sample ID: MB 280-388378/1-A
Matrix: Water
Analysis Batch: 388613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388378

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	1.0	0.12	ug/L		09/21/17 07:05	09/22/17 14:46	1
Aroclor 1221	0.21	U	1.0	0.21	ug/L		09/21/17 07:05	09/22/17 14:46	1
Aroclor 1232	0.17	U	1.0	0.17	ug/L		09/21/17 07:05	09/22/17 14:46	1
Aroclor 1242	0.10	U	1.0	0.10	ug/L		09/21/17 07:05	09/22/17 14:46	1
Aroclor 1248	0.092	U	1.0	0.092	ug/L		09/21/17 07:05	09/22/17 14:46	1
Aroclor 1254	0.11	U	1.0	0.11	ug/L		09/21/17 07:05	09/22/17 14:46	1
Aroclor 1260	0.16	U	1.0	0.16	ug/L		09/21/17 07:05	09/22/17 14:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		30 - 136	09/21/17 07:05	09/22/17 14:46	1
Tetrachloro-m-xylene	87		25 - 120	09/21/17 07:05	09/22/17 14:46	1

Lab Sample ID: LCS 280-388378/5-A
Matrix: Water
Analysis Batch: 388613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388378

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	2.00	2.02		ug/L		101	58 - 128
Aroclor 1260	2.00	2.13		ug/L		106	69 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	94		30 - 136
Tetrachloro-m-xylene	85		25 - 120

Lab Sample ID: 280-101378-J-1-A MSD
Matrix: Water
Analysis Batch: 388613

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 388378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.12	U	2.02	2.30		ug/L		114	58 - 128	3	30
Aroclor 1260	0.16	U	2.02	2.39		ug/L		118	69 - 140	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	106		30 - 136
Tetrachloro-m-xylene	99		25 - 120

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 280-101378-U-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388613 — **Prep Batch: 388378**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.12	U	2.07	2.37		ug/L		115	58 - 128
Aroclor 1260	0.16	U	2.07	2.45		ug/L		118	69 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*30 - 136*
Tetrachloro-m-xylene	*97*		*25 - 120*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-388153/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388319 — **Prep Batch: 388153**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.21	U	4.0	0.21	ug/L		09/19/17 13:12	09/21/17 00:48	1
2,4,5-T	0.19	U	1.0	0.19	ug/L		09/19/17 13:12	09/21/17 00:48	1
2,4,5-TP (Silvex)	0.17	U	1.0	0.17	ug/L		09/19/17 13:12	09/21/17 00:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*39 - 135*	*09/19/17 13:12*	*09/21/17 00:48*	*1*

Lab Sample ID: LCS 280-388153/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388319 — **Prep Batch: 388153**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	5.00	4.01		ug/L		80	46 - 126
2,4,5-T	5.00	4.23		ug/L		85	45 - 135
2,4,5-TP (Silvex)	5.00	4.35		ug/L		87	48 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*87*		*39 - 135*

Lab Sample ID: LCSD 280-388153/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388319 — **Prep Batch: 388153**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	5.00	3.80	I	ug/L		76	46 - 126	5	30
2,4,5-T	5.00	4.00		ug/L		80	45 - 135	5	30
2,4,5-TP (Silvex)	5.00	4.26		ug/L		85	48 - 127	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*39 - 135*

QC Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-388021/1-A
Matrix: Water
Analysis Batch: 388246

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.82	U	10	0.82	ug/L		09/19/17 07:35	09/19/17 21:14	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/19/17 07:35	09/19/17 21:14	1
Cobalt	1.2	U	10	1.2	ug/L		09/19/17 07:35	09/19/17 21:14	1
Chromium	0.66	U	10	0.66	ug/L		09/19/17 07:35	09/19/17 21:14	1
Copper	5.18	I	15	4.2	ug/L		09/19/17 07:35	09/19/17 21:14	1
Nickel	2.6	U	40	2.6	ug/L		09/19/17 07:35	09/19/17 21:14	1
Lead	2.7	U	9.0	2.7	ug/L		09/19/17 07:35	09/19/17 21:14	1
Iron	22	U	100	22	ug/L		09/19/17 07:35	09/19/17 21:14	1
Vanadium	1.1	U	10	1.1	ug/L		09/19/17 07:35	09/19/17 21:14	1
Silver	0.93	U	10	0.93	ug/L		09/19/17 07:35	09/19/17 21:14	1
Sodium	0.230	I	1.0	0.12	mg/L		09/19/17 07:35	09/19/17 21:14	1
Tin	5.8	U	100	5.8	ug/L		09/19/17 07:35	09/19/17 21:14	1

Lab Sample ID: MB 280-388021/1-A
Matrix: Water
Analysis Batch: 388432

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	6.3	U	20	6.3	ug/L		09/19/17 07:35	09/20/17 17:09	1
Zinc	4.5	U	20	4.5	ug/L		09/19/17 07:35	09/20/17 17:09	1

Lab Sample ID: LCS 280-388021/2-A
Matrix: Water
Analysis Batch: 388246

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	2060		ug/L		103	90 - 112
Cadmium	100	108		ug/L		108	88 - 111
Cobalt	500	519		ug/L		104	89 - 111
Chromium	200	204		ug/L		102	90 - 113
Copper	250	266		ug/L		106	86 - 112
Nickel	500	522		ug/L		104	89 - 111
Lead	500	528		ug/L		106	89 - 110
Iron	1000	1010		ug/L		101	89 - 115
Vanadium	500	535		ug/L		107	90 - 111
Silver	50.0	57.2		ug/L		114	86 - 115
Sodium	50.0	57.2		mg/L		114	90 - 115
Tin	2000	2030		ug/L		101	85 - 113

Lab Sample ID: LCS 280-388021/2-A
Matrix: Water
Analysis Batch: 388432

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	2000	2050		ug/L		103	85 - 112
Zinc	500	485		ug/L		97	85 - 111

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-101239-1 MS — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 388246 — **Prep Batch: 388021**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	6.0	I	2000	2070		ug/L		103	85 - 120
Cadmium	0.45	U	100	110		ug/L		110	82 - 119
Cobalt	1.2	U	500	527		ug/L		105	82 - 119
Chromium	3.5	I	200	212		ug/L		104	73 - 135
Copper	6.3	I V	250	271		ug/L		106	82 - 129
Nickel	2.6	U	500	530		ug/L		106	84 - 120
Lead	2.7	U	500	537		ug/L		107	89 - 121
Iron	130		1000	1150		ug/L		101	52 - 155
Vanadium	1.8	I	500	547		ug/L		109	85 - 120
Silver	0.93	U	50.0	58.1		ug/L		116	75 - 141
Sodium	4.3		50.0	61.9		mg/L		115	70 - 203
Tin	5.8	U	2000	2060		ug/L		103	77 - 126

Lab Sample ID: 280-101239-1 MS — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 388432 — **Prep Batch: 388021**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	6.3	U	2000	2090		ug/L		105	71 - 140
Zinc	4.5	U	500	494		ug/L		99	60 - 137

Lab Sample ID: 280-101239-1 MSD — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 388246 — **Prep Batch: 388021**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	6.0	I	2000	1990		ug/L		99	85 - 120	4	20
Cadmium	0.45	U	100	105		ug/L		105	82 - 119	5	20
Cobalt	1.2	U	500	501		ug/L		100	82 - 119	5	20
Chromium	3.5	I	200	201		ug/L		99	73 - 135	5	20
Copper	6.3	I V	250	258		ug/L		101	82 - 129	5	20
Nickel	2.6	U	500	504		ug/L		101	84 - 120	5	20
Lead	2.7	U	500	508		ug/L		102	89 - 121	6	20
Iron	130		1000	1110		ug/L		97	52 - 155	4	20
Vanadium	1.8	I	500	524		ug/L		104	85 - 120	4	20
Silver	0.93	U	50.0	55.4		ug/L		111	75 - 141	5	20
Sodium	4.3		50.0	59.6		mg/L		111	70 - 203	4	20
Tin	5.8	U	2000	1970		ug/L		98	77 - 126	5	20

Lab Sample ID: 280-101239-1 MSD — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 388432 — **Prep Batch: 388021**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Selenium	6.3	U	2000	2020		ug/L		101	71 - 140	4	20
Zinc	4.5	U	500	477		ug/L		95	60 - 137	4	20

QC Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 280-388029/1-A
Matrix: Water
Analysis Batch: 388239

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 388029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/19/17 07:35	09/19/17 15:04	1
Arsenic	0.33	U	5.0	0.33	ug/L		09/19/17 07:35	09/19/17 15:04	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/19/17 07:35	09/19/17 15:04	1
Thallium	0.050	U	1.0	0.050	ug/L		09/19/17 07:35	09/19/17 15:04	1

Lab Sample ID: LCS 280-388029/2-A
Matrix: Water
Analysis Batch: 388239

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 388029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	40.0	39.9		ug/L		100	85 - 115
Arsenic	40.0	38.2		ug/L		95	85 - 117
Beryllium	40.0	41.3		ug/L		103	80 - 125
Thallium	40.0	40.3		ug/L		101	85 - 118

Lab Sample ID: 280-101239-2 MS
Matrix: Water
Analysis Batch: 388239

Client Sample ID: MW-9B
Prep Type: Total Recoverable
Prep Batch: 388029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.40	U	40.0	39.6		ug/L		99	85 - 115
Arsenic	1.7	I	40.0	39.7		ug/L		95	85 - 117
Beryllium	0.080	U	40.0	41.7		ug/L		104	80 - 125
Thallium	0.089	I	40.0	40.4		ug/L		101	85 - 118

Lab Sample ID: 280-101239-2 MSD
Matrix: Water
Analysis Batch: 388239

Client Sample ID: MW-9B
Prep Type: Total Recoverable
Prep Batch: 388029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.40	U	40.0	41.1		ug/L		103	85 - 115	4	20
Arsenic	1.7	I	40.0	40.2		ug/L		96	85 - 117	1	20
Beryllium	0.080	U	40.0	41.7		ug/L		104	80 - 125	0	20
Thallium	0.089	I	40.0	41.1		ug/L		102	85 - 118	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-388113/1-A
Matrix: Water
Analysis Batch: 388229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/19/17 11:40	09/19/17 17:17	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 280-388113/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388229 — **Prep Batch: 388113**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.11		ug/L		102	84 - 120

Lab Sample ID: 280-101244-H-4-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388229 — **Prep Batch: 388113**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.027	U	5.00	4.84		ug/L		97	75 - 125

Lab Sample ID: 280-101244-H-4-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388229 — **Prep Batch: 388113**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.027	U	5.00	5.10		ug/L		102	75 - 125	5	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-387784/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.042	U	0.50	0.042	mg/L			09/15/17 12:07	1

Lab Sample ID: LCS 280-387784/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	5.00	5.03		mg/L		101	90 - 110

Lab Sample ID: LCSD 280-387784/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	5.00	5.03		mg/L		101	90 - 110	0	10

Lab Sample ID: MRL 280-387784/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.200	0.202	I	mg/L		101	50 - 150

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 280-101239-1 MS — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N	0.70		5.00	5.79		mg/L		102	80 - 120		

Lab Sample ID: 280-101239-1 MSD — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	0.70		5.00	5.85		mg/L		103	80 - 120	1	20

Lab Sample ID: 280-101239-1 DU — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387784

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate as N	0.70			0.703		mg/L				1	15

Lab Sample ID: MB 280-387785/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	3.0	0.25	mg/L			09/15/17 12:07	1

Lab Sample ID: LCS 280-387785/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	101		mg/L		101	90 - 110		

Lab Sample ID: LCSD 280-387785/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			100	101		mg/L		101	90 - 110	0	10

Lab Sample ID: MRL 280-387785/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			2.50	2.35	I	mg/L		94	50 - 150		

Lab Sample ID: 280-101239-1 MS — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	6.4		25.0	32.6		mg/L		105	80 - 120		

QC Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Lab Sample ID: 280-101239-1 MSD — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.4		25.0	32.9		mg/L		106	80 - 120	1	20

Lab Sample ID: 280-101239-1 DU — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387785

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	6.4			6.49		mg/L				1	15

Lab Sample ID: MB 280-387884/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	3.0	0.25	mg/L			09/16/17 10:25	1

Lab Sample ID: LCS 280-387884/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	100		mg/L		100	90 - 110		

Lab Sample ID: LCSD 280-387884/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			100	100		mg/L		100	90 - 110	0	10

Lab Sample ID: MRL 280-387884/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			2.50	2.38	I	mg/L		95	50 - 150		

Lab Sample ID: 280-101208-A-10 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	130		25.0	152		mg/L		100	80 - 120		

Lab Sample ID: 280-101208-A-10 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	130		25.0	152		mg/L		101	80 - 120	0	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 280-101208-A-10 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 387884

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	130			126		mg/L				0.4	15

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 280-389007/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389146 — **Prep Batch: 389007**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		09/26/17 15:45	09/27/17 10:10	1

Lab Sample ID: HLCS 280-389007/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389146 — **Prep Batch: 389007**

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.350	0.357		mg/L		102	90 - 110		

Lab Sample ID: LCS 280-389007/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389146 — **Prep Batch: 389007**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.105	0.107		mg/L		102	90 - 110		

Lab Sample ID: LLCS 280-389007/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389146 — **Prep Batch: 389007**

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.100	0.102		mg/L		102	44 - 167		

Lab Sample ID: 280-101239-3 MS — **Client Sample ID: MW-11A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389146 — **Prep Batch: 389007**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide	0.0020	U	0.105	0.107		mg/L		102	90 - 110		

Lab Sample ID: 280-101239-3 MSD — **Client Sample ID: MW-11A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389146 — **Prep Batch: 389007**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Cyanide	0.0020	U	0.105	0.106		mg/L		101	90 - 110	1	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-387925/20
Matrix: Water
Analysis Batch: 387925

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.022	U	0.10	0.022	mg/L			09/17/17 17:26	1

Lab Sample ID: LCS 280-387925/18
Matrix: Water
Analysis Batch: 387925

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	2.50	2.50		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-387925/19
Matrix: Water
Analysis Batch: 387925

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
Ammonia as N	2.50	2.49		mg/L		100	90 - 110	0	10

Lab Sample ID: 280-101236-C-1 MS
Matrix: Water
Analysis Batch: 387925

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
Ammonia as N	0.087	I	1.00	1.03		mg/L		94	90 - 110

Lab Sample ID: 280-101236-C-1 MSD
Matrix: Water
Analysis Batch: 387925

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
Ammonia as N	0.087	I	1.00	1.11		mg/L		103	90 - 110	8	10

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 280-388325/1-A
Matrix: Water
Analysis Batch: 388330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	0.79	U	4.0	0.79	mg/L		09/20/17 17:55	09/20/17 18:43	1

Lab Sample ID: LCS 280-388325/2-A
Matrix: Water
Analysis Batch: 388330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Sulfide	17.3	10.4		mg/L		60	50 - 106

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 280-101363-C-5-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388330 — **Prep Batch: 388325**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Sulfide	2.4	I	17.3	13.6		mg/L		65	50 - 106		

Lab Sample ID: 280-101363-C-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388330 — **Prep Batch: 388325**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Sulfide	2.4	I	17.3	12.0		mg/L		56	50 - 106	13	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-388150/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.7	U	10	4.7	mg/L			09/19/17 12:02	1

Lab Sample ID: LCS 280-388150/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388150

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			500	490		mg/L		98	86 - 110		

Lab Sample ID: LCSD 280-388150/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388150

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			500	507		mg/L		101	86 - 110	3	20

Lab Sample ID: 280-101239-1 DU — **Client Sample ID: MW-9A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388150

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	110			105		mg/L				3	10

QC Association Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

GC/MS VOA

Analysis Batch: 389081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8260B	
280-101239-2	MW-9B	Total/NA	Water	8260B	
280-101239-3	MW-11A	Total/NA	Water	8260B	
280-101239-6	MW-14B	Total/NA	Water	8260B	
MB 280-389081/6	Method Blank	Total/NA	Water	8260B	
LCS 280-389081/11	Lab Control Sample	Total/NA	Water	8260B	
LCS 280-389081/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 280-389081/12	Lab Control Sample Dup	Total/NA	Water	8260B	
LCSD 280-389081/5	Lab Control Sample Dup	Total/NA	Water	8260B	
280-101305-T-6 MS	Matrix Spike	Total/NA	Water	8260B	
280-101305-T-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 387901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	3520C	
280-101239-2	MW-9B	Total/NA	Water	3520C	
280-101239-3	MW-11A	Total/NA	Water	3520C	
280-101239-4	MW-11B	Total/NA	Water	3520C	
280-101239-6	MW-14B	Total/NA	Water	3520C	
280-101239-8	MW-15B	Total/NA	Water	3520C	
280-101239-9	Field Blank	Total/NA	Water	3520C	
MB 280-387901/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-387901/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 280-387901/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-387901/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 280-387901/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 388079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-5	MW-14A	Total/NA	Water	3520C	
MB 280-388079/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-388079/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 280-388079/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-388079/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 280-388079/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 388312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8270C	387901
280-101239-2	MW-9B	Total/NA	Water	8270C	387901
280-101239-3	MW-11A	Total/NA	Water	8270C	387901
280-101239-4	MW-11B	Total/NA	Water	8270C	387901
280-101239-6	MW-14B	Total/NA	Water	8270C	387901
280-101239-8	MW-15B	Total/NA	Water	8270C	387901
280-101239-9	Field Blank	Total/NA	Water	8270C	387901
MB 280-387901/1-A	Method Blank	Total/NA	Water	8270C	387901
LCS 280-387901/2-A	Lab Control Sample	Total/NA	Water	8270C	387901
LCS 280-387901/4-A	Lab Control Sample	Total/NA	Water	8270C	387901

GC/MS Semi VOA (Continued)

Analysis Batch: 388312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 280-387901/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	387901
LCSD 280-387901/5-A	Lab Control Sample Dup	Total/NA	Water	8270C	387901

Analysis Batch: 388812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-5	MW-14A	Total/NA	Water	8270C	388079
MB 280-388079/1-A	Method Blank	Total/NA	Water	8270C	388079
LCS 280-388079/2-A	Lab Control Sample	Total/NA	Water	8270C	388079
LCS 280-388079/4-A	Lab Control Sample	Total/NA	Water	8270C	388079
LCSD 280-388079/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	388079
LCSD 280-388079/5-A	Lab Control Sample Dup	Total/NA	Water	8270C	388079

GC Semi VOA

Prep Batch: 388153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8151A	
280-101239-2	MW-9B	Total/NA	Water	8151A	
280-101239-3	MW-11A	Total/NA	Water	8151A	
280-101239-4	MW-11B	Total/NA	Water	8151A	
280-101239-5	MW-14A	Total/NA	Water	8151A	
280-101239-6	MW-14B	Total/NA	Water	8151A	
280-101239-8	MW-15B	Total/NA	Water	8151A	
280-101239-9	Field Blank	Total/NA	Water	8151A	
MB 280-388153/1-A	Method Blank	Total/NA	Water	8151A	
LCS 280-388153/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 280-388153/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Prep Batch: 388270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	3510C	
280-101239-2	MW-9B	Total/NA	Water	3510C	
280-101239-3	MW-11A	Total/NA	Water	3510C	
280-101239-4	MW-11B	Total/NA	Water	3510C	
280-101239-5	MW-14A	Total/NA	Water	3510C	
280-101239-6	MW-14B	Total/NA	Water	3510C	
280-101239-8	MW-15B	Total/NA	Water	3510C	
280-101239-9	Field Blank	Total/NA	Water	3510C	
MB 280-388270/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-388270/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 280-388270/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-388270/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 280-388270/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 388319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8151A	388153
280-101239-2	MW-9B	Total/NA	Water	8151A	388153
280-101239-3	MW-11A	Total/NA	Water	8151A	388153
280-101239-4	MW-11B	Total/NA	Water	8151A	388153

GC Semi VOA (Continued)

Analysis Batch: 388319 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-5	MW-14A	Total/NA	Water	8151A	388153
280-101239-6	MW-14B	Total/NA	Water	8151A	388153
280-101239-8	MW-15B	Total/NA	Water	8151A	388153
280-101239-9	Field Blank	Total/NA	Water	8151A	388153
MB 280-388153/1-A	Method Blank	Total/NA	Water	8151A	388153
LCS 280-388153/2-A	Lab Control Sample	Total/NA	Water	8151A	388153
LCSD 280-388153/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	388153

Prep Batch: 388378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-388378/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-388378/5-A	Lab Control Sample	Total/NA	Water	3510C	
280-101378-J-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
280-101378-U-1-A MS	Matrix Spike	Total/NA	Water	3510C	

Analysis Batch: 388439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8082	388270
280-101239-2	MW-9B	Total/NA	Water	8082	388270
280-101239-3	MW-11A	Total/NA	Water	8082	388270
280-101239-4	MW-11B	Total/NA	Water	8082	388270
280-101239-5	MW-14A	Total/NA	Water	8082	388270
280-101239-6	MW-14B	Total/NA	Water	8082	388270
280-101239-8	MW-15B	Total/NA	Water	8082	388270
280-101239-9	Field Blank	Total/NA	Water	8082	388270
MB 280-388270/1-A	Method Blank	Total/NA	Water	8082	388270
LCS 280-388270/4-A	Lab Control Sample	Total/NA	Water	8082	388270
LCSD 280-388270/5-A	Lab Control Sample Dup	Total/NA	Water	8082	388270

Analysis Batch: 388463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8081A	388270
280-101239-2	MW-9B	Total/NA	Water	8081A	388270
280-101239-3	MW-11A	Total/NA	Water	8081A	388270
280-101239-4	MW-11B	Total/NA	Water	8081A	388270
280-101239-5	MW-14A	Total/NA	Water	8081A	388270
280-101239-6	MW-14B	Total/NA	Water	8081A	388270
280-101239-8	MW-15B	Total/NA	Water	8081A	388270
280-101239-9	Field Blank	Total/NA	Water	8081A	388270
MB 280-388270/1-A	Method Blank	Total/NA	Water	8081A	388270
LCS 280-388270/2-A	Lab Control Sample	Total/NA	Water	8081A	388270
LCSD 280-388270/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	388270

Analysis Batch: 388613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-388378/1-A	Method Blank	Total/NA	Water	8082	388378
LCS 280-388378/5-A	Lab Control Sample	Total/NA	Water	8082	388378
280-101378-J-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8082	388378
280-101378-U-1-A MS	Matrix Spike	Total/NA	Water	8082	388378

GC Semi VOA (Continued)

Prep Batch: 389141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8011	
280-101239-2	MW-9B	Total/NA	Water	8011	
280-101239-3	MW-11A	Total/NA	Water	8011	
280-101239-6	MW-14B	Total/NA	Water	8011	
MB 280-389141/2-A	Method Blank	Total/NA	Water	8011	
LCS 280-389141/3-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 280-389141/4-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 389172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	8011	389141
280-101239-2	MW-9B	Total/NA	Water	8011	389141
280-101239-3	MW-11A	Total/NA	Water	8011	389141
280-101239-6	MW-14B	Total/NA	Water	8011	389141
MB 280-389141/2-A	Method Blank	Total/NA	Water	8011	389141
LCS 280-389141/3-A	Lab Control Sample	Total/NA	Water	8011	389141
LCSD 280-389141/4-A	Lab Control Sample Dup	Total/NA	Water	8011	389141

Metals

Prep Batch: 388021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total Recoverable	Water	3005A	
280-101239-2	MW-9B	Total Recoverable	Water	3005A	
280-101239-3	MW-11A	Total Recoverable	Water	3005A	
280-101239-4	MW-11B	Total Recoverable	Water	3005A	
280-101239-5	MW-14A	Total Recoverable	Water	3005A	
280-101239-6	MW-14B	Total Recoverable	Water	3005A	
280-101239-8	MW-15B	Total Recoverable	Water	3005A	
280-101239-9	Field Blank	Total Recoverable	Water	3005A	
MB 280-388021/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-388021/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
280-101239-1 MS	MW-9A	Total Recoverable	Water	3005A	
280-101239-1 MSD	MW-9A	Total Recoverable	Water	3005A	

Prep Batch: 388029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total Recoverable	Water	3005A	
280-101239-2	MW-9B	Total Recoverable	Water	3005A	
280-101239-3	MW-11A	Total Recoverable	Water	3005A	
280-101239-4	MW-11B	Total Recoverable	Water	3005A	
280-101239-5	MW-14A	Total Recoverable	Water	3005A	
280-101239-6	MW-14B	Total Recoverable	Water	3005A	
280-101239-8	MW-15B	Total Recoverable	Water	3005A	
280-101239-9	Field Blank	Total Recoverable	Water	3005A	
MB 280-388029/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-388029/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
280-101239-2 MS	MW-9B	Total Recoverable	Water	3005A	
280-101239-2 MSD	MW-9B	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 388113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	7470A	
280-101239-2	MW-9B	Total/NA	Water	7470A	
280-101239-3	MW-11A	Total/NA	Water	7470A	
280-101239-4	MW-11B	Total/NA	Water	7470A	
280-101239-5	MW-14A	Total/NA	Water	7470A	
280-101239-6	MW-14B	Total/NA	Water	7470A	
280-101239-8	MW-15B	Total/NA	Water	7470A	
280-101239-9	Field Blank	Total/NA	Water	7470A	
MB 280-388113/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-388113/2-A	Lab Control Sample	Total/NA	Water	7470A	
280-101244-H-4-B MS	Matrix Spike	Total/NA	Water	7470A	
280-101244-H-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 388229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	7470A	388113
280-101239-2	MW-9B	Total/NA	Water	7470A	388113
280-101239-3	MW-11A	Total/NA	Water	7470A	388113
280-101239-4	MW-11B	Total/NA	Water	7470A	388113
280-101239-5	MW-14A	Total/NA	Water	7470A	388113
280-101239-6	MW-14B	Total/NA	Water	7470A	388113
280-101239-8	MW-15B	Total/NA	Water	7470A	388113
280-101239-9	Field Blank	Total/NA	Water	7470A	388113
MB 280-388113/1-A	Method Blank	Total/NA	Water	7470A	388113
LCS 280-388113/2-A	Lab Control Sample	Total/NA	Water	7470A	388113
280-101244-H-4-B MS	Matrix Spike	Total/NA	Water	7470A	388113
280-101244-H-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	388113

Analysis Batch: 388239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total Recoverable	Water	6020	388029
280-101239-2	MW-9B	Total Recoverable	Water	6020	388029
280-101239-3	MW-11A	Total Recoverable	Water	6020	388029
280-101239-4	MW-11B	Total Recoverable	Water	6020	388029
280-101239-5	MW-14A	Total Recoverable	Water	6020	388029
280-101239-6	MW-14B	Total Recoverable	Water	6020	388029
280-101239-8	MW-15B	Total Recoverable	Water	6020	388029
280-101239-9	Field Blank	Total Recoverable	Water	6020	388029
MB 280-388029/1-A	Method Blank	Total Recoverable	Water	6020	388029
LCS 280-388029/2-A	Lab Control Sample	Total Recoverable	Water	6020	388029
280-101239-2 MS	MW-9B	Total Recoverable	Water	6020	388029
280-101239-2 MSD	MW-9B	Total Recoverable	Water	6020	388029

Analysis Batch: 388246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total Recoverable	Water	6010B	388021
280-101239-2	MW-9B	Total Recoverable	Water	6010B	388021
280-101239-3	MW-11A	Total Recoverable	Water	6010B	388021
280-101239-4	MW-11B	Total Recoverable	Water	6010B	388021
280-101239-5	MW-14A	Total Recoverable	Water	6010B	388021
280-101239-6	MW-14B	Total Recoverable	Water	6010B	388021

Metals (Continued)

Analysis Batch: 388246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-8	MW-15B	Total Recoverable	Water	6010B	388021
280-101239-9	Field Blank	Total Recoverable	Water	6010B	388021
MB 280-388021/1-A	Method Blank	Total Recoverable	Water	6010B	388021
LCS 280-388021/2-A	Lab Control Sample	Total Recoverable	Water	6010B	388021
280-101239-1 MS	MW-9A	Total Recoverable	Water	6010B	388021
280-101239-1 MSD	MW-9A	Total Recoverable	Water	6010B	388021

Analysis Batch: 388432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total Recoverable	Water	6010B	388021
280-101239-2	MW-9B	Total Recoverable	Water	6010B	388021
280-101239-3	MW-11A	Total Recoverable	Water	6010B	388021
280-101239-4	MW-11B	Total Recoverable	Water	6010B	388021
280-101239-5	MW-14A	Total Recoverable	Water	6010B	388021
280-101239-6	MW-14B	Total Recoverable	Water	6010B	388021
280-101239-8	MW-15B	Total Recoverable	Water	6010B	388021
280-101239-9	Field Blank	Total Recoverable	Water	6010B	388021
MB 280-388021/1-A	Method Blank	Total Recoverable	Water	6010B	388021
LCS 280-388021/2-A	Lab Control Sample	Total Recoverable	Water	6010B	388021
280-101239-1 MS	MW-9A	Total Recoverable	Water	6010B	388021
280-101239-1 MSD	MW-9A	Total Recoverable	Water	6010B	388021

General Chemistry

Analysis Batch: 387784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	300.0	
280-101239-2	MW-9B	Total/NA	Water	300.0	
280-101239-3	MW-11A	Total/NA	Water	300.0	
280-101239-4	MW-11B	Total/NA	Water	300.0	
280-101239-6	MW-14B	Total/NA	Water	300.0	
280-101239-8	MW-15B	Total/NA	Water	300.0	
280-101239-9	Field Blank	Total/NA	Water	300.0	
MB 280-387784/6	Method Blank	Total/NA	Water	300.0	
LCS 280-387784/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-387784/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-387784/3	Lab Control Sample	Total/NA	Water	300.0	
280-101239-1 MS	MW-9A	Total/NA	Water	300.0	
280-101239-1 MSD	MW-9A	Total/NA	Water	300.0	
280-101239-1 DU	MW-9A	Total/NA	Water	300.0	

Analysis Batch: 387785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	300.0	
280-101239-2	MW-9B	Total/NA	Water	300.0	
280-101239-3	MW-11A	Total/NA	Water	300.0	
280-101239-4	MW-11B	Total/NA	Water	300.0	
280-101239-6	MW-14B	Total/NA	Water	300.0	
280-101239-8	MW-15B	Total/NA	Water	300.0	
280-101239-9	Field Blank	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 387785 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-387785/6	Method Blank	Total/NA	Water	300.0	
LCS 280-387785/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-387785/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-387785/3	Lab Control Sample	Total/NA	Water	300.0	
280-101239-1 MS	MW-9A	Total/NA	Water	300.0	
280-101239-1 MSD	MW-9A	Total/NA	Water	300.0	
280-101239-1 DU	MW-9A	Total/NA	Water	300.0	

Analysis Batch: 387884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-5	MW-14A	Total/NA	Water	300.0	
MB 280-387884/6	Method Blank	Total/NA	Water	300.0	
LCS 280-387884/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-387884/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-387884/3	Lab Control Sample	Total/NA	Water	300.0	
280-101208-A-10 MS	Matrix Spike	Total/NA	Water	300.0	
280-101208-A-10 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
280-101208-A-10 DU	Duplicate	Total/NA	Water	300.0	

Analysis Batch: 387925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	350.1	
280-101239-2	MW-9B	Total/NA	Water	350.1	
280-101239-3	MW-11A	Total/NA	Water	350.1	
280-101239-4	MW-11B	Total/NA	Water	350.1	
280-101239-5	MW-14A	Total/NA	Water	350.1	
280-101239-6	MW-14B	Total/NA	Water	350.1	
280-101239-7	MW-15A	Total/NA	Water	350.1	
280-101239-8	MW-15B	Total/NA	Water	350.1	
280-101239-9	Field Blank	Total/NA	Water	350.1	
MB 280-387925/20	Method Blank	Total/NA	Water	350.1	
LCS 280-387925/18	Lab Control Sample	Total/NA	Water	350.1	
LCSD 280-387925/19	Lab Control Sample Dup	Total/NA	Water	350.1	
280-101236-C-1 MS	Matrix Spike	Total/NA	Water	350.1	
280-101236-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	

Analysis Batch: 388150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	SM 2540C	
280-101239-2	MW-9B	Total/NA	Water	SM 2540C	
280-101239-3	MW-11A	Total/NA	Water	SM 2540C	
280-101239-4	MW-11B	Total/NA	Water	SM 2540C	
280-101239-5	MW-14A	Total/NA	Water	SM 2540C	
280-101239-6	MW-14B	Total/NA	Water	SM 2540C	
280-101239-8	MW-15B	Total/NA	Water	SM 2540C	
280-101239-9	Field Blank	Total/NA	Water	SM 2540C	
MB 280-388150/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-388150/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-388150/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
280-101239-1 DU	MW-9A	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Prep Batch: 388325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	9030B	
280-101239-2	MW-9B	Total/NA	Water	9030B	
280-101239-3	MW-11A	Total/NA	Water	9030B	
280-101239-4	MW-11B	Total/NA	Water	9030B	
280-101239-5	MW-14A	Total/NA	Water	9030B	
280-101239-6	MW-14B	Total/NA	Water	9030B	
280-101239-7	MW-15A	Total/NA	Water	9030B	
280-101239-8	MW-15B	Total/NA	Water	9030B	
280-101239-9	Field Blank	Total/NA	Water	9030B	
MB 280-388325/1-A	Method Blank	Total/NA	Water	9030B	
LCS 280-388325/2-A	Lab Control Sample	Total/NA	Water	9030B	
280-101363-C-5-B MS	Matrix Spike	Total/NA	Water	9030B	
280-101363-C-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	9030B	

Analysis Batch: 388330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	9034	388325
280-101239-2	MW-9B	Total/NA	Water	9034	388325
280-101239-3	MW-11A	Total/NA	Water	9034	388325
280-101239-4	MW-11B	Total/NA	Water	9034	388325
280-101239-5	MW-14A	Total/NA	Water	9034	388325
280-101239-6	MW-14B	Total/NA	Water	9034	388325
280-101239-7	MW-15A	Total/NA	Water	9034	388325
280-101239-8	MW-15B	Total/NA	Water	9034	388325
280-101239-9	Field Blank	Total/NA	Water	9034	388325
MB 280-388325/1-A	Method Blank	Total/NA	Water	9034	388325
LCS 280-388325/2-A	Lab Control Sample	Total/NA	Water	9034	388325
280-101363-C-5-B MS	Matrix Spike	Total/NA	Water	9034	388325
280-101363-C-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	9034	388325

Prep Batch: 389007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	Distill/CN	
280-101239-2	MW-9B	Total/NA	Water	Distill/CN	
280-101239-3	MW-11A	Total/NA	Water	Distill/CN	
280-101239-4	MW-11B	Total/NA	Water	Distill/CN	
280-101239-5	MW-14A	Total/NA	Water	Distill/CN	
280-101239-6	MW-14B	Total/NA	Water	Distill/CN	
280-101239-8	MW-15B	Total/NA	Water	Distill/CN	
280-101239-9	Field Blank	Total/NA	Water	Distill/CN	
MB 280-389007/4-A	Method Blank	Total/NA	Water	Distill/CN	
HLCS 280-389007/1-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCS 280-389007/3-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LLCS 280-389007/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
280-101239-3 MS	MW-11A	Total/NA	Water	Distill/CN	
280-101239-3 MSD	MW-11A	Total/NA	Water	Distill/CN	

Analysis Batch: 389146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	335.4	389007
280-101239-2	MW-9B	Total/NA	Water	335.4	389007

General Chemistry (Continued)

Analysis Batch: 389146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-3	MW-11A	Total/NA	Water	335.4	389007
280-101239-4	MW-11B	Total/NA	Water	335.4	389007
280-101239-5	MW-14A	Total/NA	Water	335.4	389007
280-101239-6	MW-14B	Total/NA	Water	335.4	389007
280-101239-8	MW-15B	Total/NA	Water	335.4	389007
280-101239-9	Field Blank	Total/NA	Water	335.4	389007
MB 280-389007/4-A	Method Blank	Total/NA	Water	335.4	389007
HLCS 280-389007/1-A	Lab Control Sample	Total/NA	Water	335.4	389007
LCS 280-389007/3-A	Lab Control Sample	Total/NA	Water	335.4	389007
LLCS 280-389007/2-A	Lab Control Sample	Total/NA	Water	335.4	389007
280-101239-3 MS	MW-11A	Total/NA	Water	335.4	389007
280-101239-3 MSD	MW-11A	Total/NA	Water	335.4	389007

Field Service / Mobile Lab

Analysis Batch: 388347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101239-1	MW-9A	Total/NA	Water	Field Sampling	
280-101239-2	MW-9B	Total/NA	Water	Field Sampling	
280-101239-3	MW-11A	Total/NA	Water	Field Sampling	
280-101239-4	MW-11B	Total/NA	Water	Field Sampling	
280-101239-5	MW-14A	Total/NA	Water	Field Sampling	
280-101239-6	MW-14B	Total/NA	Water	Field Sampling	
280-101239-7	MW-15A	Total/NA	Water	Field Sampling	
280-101239-8	MW-15B	Total/NA	Water	Field Sampling	
280-101239-9	Field Blank	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-9A
Date Collected: 09/14/17 08:30
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	389081	09/27/17 12:22	MD	TAL DEN
Total/NA	Prep	3520C			1047.9 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/20/17 21:40	AFH	TAL DEN
Total/NA	Prep	8011			34.5 mL	35 mL	389141	09/27/17 11:59	KRP	TAL DEN
Total/NA	Analysis	8011		1			389172	09/28/17 12:46	KRP	TAL DEN
Total/NA	Prep	3510C			1047.8 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 17:34	DAW	TAL DEN
Total/NA	Prep	3510C			1047.8 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 14:53	TDJ	TAL DEN
Total/NA	Prep	8151A			1051.2 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 02:10	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:29	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:14	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:12	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:26	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387784	09/15/17 19:05	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 19:05	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:34	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 17:34	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 06:30	CS	TAL DEN

Client Sample ID: MW-9B
Date Collected: 09/14/17 07:20
Date Received: 09/15/17 10:00

Lab Sample ID: 280-101239-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	389081	09/27/17 12:43	MD	TAL DEN
Total/NA	Prep	3520C			1047.8 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/20/17 22:07	AFH	TAL DEN
Total/NA	Prep	8011			34.1 mL	35 mL	389141	09/27/17 11:59	KRP	TAL DEN
Total/NA	Analysis	8011		1			389172	09/28/17 13:05	KRP	TAL DEN
Total/NA	Prep	3510C			1049.9 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 17:52	DAW	TAL DEN
Total/NA	Prep	3510C			1049.9 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 15:14	TDJ	TAL DEN

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			1049.2 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 02:37	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:39	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:24	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:16	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:28	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387784	09/15/17 20:12	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 20:12	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:36	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 17:36	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 05:20	CS	TAL DEN

Client Sample ID: MW-11A

Lab Sample ID: 280-101239-3

Date Collected: 09/14/17 10:40

Matrix: Water

Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	389081	09/27/17 13:45	MD	TAL DEN
Total/NA	Prep	3520C			1053.6 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/20/17 22:33	AFH	TAL DEN
Total/NA	Prep	8011			34.3 mL	35 mL	389141	09/27/17 11:59	KRP	TAL DEN
Total/NA	Analysis	8011		1			389172	09/28/17 13:24	KRP	TAL DEN
Total/NA	Prep	3510C			1047.9 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 18:10	DAW	TAL DEN
Total/NA	Prep	3510C			1047.9 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 15:36	TDJ	TAL DEN
Total/NA	Prep	8151A			1052 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 03:05	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:41	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:37	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:42	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:31	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 20:29	AFB	TAL DEN
Total/NA	Analysis	300.0		2	5 mL	5 mL	387784	09/16/17 07:04	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-11A

Lab Sample ID: 280-101239-3

Date Collected: 09/14/17 10:40
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:37	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 17:38	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 08:40	CS	TAL DEN

Client Sample ID: MW-11B

Lab Sample ID: 280-101239-4

Date Collected: 09/14/17 09:35
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1054.2 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/20/17 23:00	AFH	TAL DEN
Total/NA	Prep	3510C			1047.7 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 18:28	DAW	TAL DEN
Total/NA	Prep	3510C			1047.7 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 15:58	TDJ	TAL DEN
Total/NA	Prep	8151A			1047.4 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 03:32	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:44	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:40	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:46	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:33	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387784	09/15/17 20:46	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 20:46	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:42	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 17:40	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 07:35	CS	TAL DEN

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-14A

Lab Sample ID: 280-101239-5

Date Collected: 09/14/17 08:39
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1029.3 mL	1 mL	388079	09/19/17 13:13	JT	TAL DEN
Total/NA	Analysis	8270C		1			388812	09/25/17 23:43	AFH	TAL DEN
Total/NA	Prep	3510C			1042.8 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 18:46	DAW	TAL DEN
Total/NA	Prep	3510C			1042.8 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 16:20	TDJ	TAL DEN
Total/NA	Prep	8151A			1050.5 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 03:59	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:47	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:42	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:50	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 18:13	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387884	09/16/17 14:19	TLP	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:51	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 17:42	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 06:39	CS	TAL DEN

Client Sample ID: MW-14B

Lab Sample ID: 280-101239-6

Date Collected: 09/14/17 07:52
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	389081	09/27/17 14:06	MD	TAL DEN
Total/NA	Prep	3520C			1055.4 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/20/17 23:26	AFH	TAL DEN
Total/NA	Prep	8011			34.3 mL	35 mL	389141	09/27/17 11:59	KRP	TAL DEN
Total/NA	Analysis	8011		1			389172	09/28/17 13:43	KRP	TAL DEN
Total/NA	Prep	3510C			1050.3 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 19:04	DAW	TAL DEN
Total/NA	Prep	3510C			1050.3 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 16:42	TDJ	TAL DEN
Total/NA	Prep	8151A			1053.2 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 04:26	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:49	CML	TAL DEN

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Client Sample ID: MW-14B

Lab Sample ID: 280-101239-6
Date Collected: 09/14/17 07:52
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:45	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:54	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:35	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387784	09/15/17 21:03	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 21:03	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:52	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 17:44	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 05:52	CS	TAL DEN

Client Sample ID: MW-15A

Lab Sample ID: 280-101239-7
Date Collected: 09/14/17 11:24
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1			387925	09/17/17 17:46	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 09:24	CS	TAL DEN

Client Sample ID: MW-15B

Lab Sample ID: 280-101239-8
Date Collected: 09/14/17 10:22
Matrix: Water
Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1047.1 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/20/17 23:53	AFH	TAL DEN
Total/NA	Prep	3510C			1044.9 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 19:22	DAW	TAL DEN
Total/NA	Prep	3510C			1044.9 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 17:04	TDJ	TAL DEN
Total/NA	Prep	8151A			1050.3 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 04:53	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 21:52	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:47	CML	TAL DEN

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101239-1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 15:57	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:37	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387784	09/15/17 21:19	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 21:19	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:54	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 18:02	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 08:22	CS	TAL DEN

Client Sample ID: Field Blank

Lab Sample ID: 280-101239-9

Date Collected: 09/14/17 12:30

Matrix: Water

Date Received: 09/15/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1044 mL	1 mL	387901	09/17/17 08:37	JDW	TAL DEN
Total/NA	Analysis	8270C		1			388312	09/21/17 00:19	AFH	TAL DEN
Total/NA	Prep	3510C			1014.5 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8081A		1			388463	09/21/17 19:40	DAW	TAL DEN
Total/NA	Prep	3510C			1014.5 mL	10 mL	388270	09/20/17 11:16	KI	TAL DEN
Total/NA	Analysis	8082		1			388439	09/21/17 17:25	TDJ	TAL DEN
Total/NA	Prep	8151A			1024.8 mL	10 mL	388153	09/19/17 13:12	RPC	TAL DEN
Total/NA	Analysis	8151A		1			388319	09/21/17 05:21	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388246	09/19/17 22:05	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388021	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			388432	09/20/17 17:50	CML	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	388029	09/19/17 07:35	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			388239	09/19/17 16:01	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	388113	09/19/17 11:40	CDH	TAL DEN
Total/NA	Analysis	7470A		1			388229	09/19/17 17:39	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387784	09/15/17 22:10	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	387785	09/15/17 22:10	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	389007	09/26/17 15:45	ALS	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	389146	09/27/17 10:55	JML	TAL DEN
Total/NA	Analysis	350.1		1			387925	09/17/17 18:04	ALS	TAL DEN
Total/NA	Prep	9030B			50 mL	50 mL	388325	09/20/17 17:55	ALS	TAL DEN
Total/NA	Analysis	9034		1			388330	09/20/17 18:43	ALS	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	388150	09/19/17 12:02	JAP	TAL DEN
Total/NA	Analysis	Field Sampling		1			388347	09/14/17 10:30	CS	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/5/2017

Client Information	Sampler: DANNY ARMOUR	Lab PM: Harrington, Danielle M	Carrier Tracking No(s):	COC No: 280-67629-22867.1
Client Contact: Elizabeth Foeller	Phone: 225-907-4060	E-Mail: danielle.harrington@testamericainc.com		Page: Page 1 of 1
Company: Waste Management				Job #:
Address: 14415 CR 39	Due Date Requested:			
City: Duette	TAT Requested (days):			
State, Zip: FL, 34219				
Phone: 941-720-0564(Tel)	PO #: Purchase Order Requested			
Email: efoeller@wm.com	WO #:			
Project Name: FL26|Vista/FL26 Event Desc: New Well Background	Project #: 28002729			
Site: Florida	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:

Material Codes: AG=Amber Glass; CG=Clear Glass; PE=Polyethylene; PP=Polypropylene; S=Silicone; T=Teflon; O=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)	8260B -Appendix II (40mL - CG)	8011 - EDB/DBCP (40mL CG)	6010B, 6020, 7470A Total Metals (500ml - PE)	350.1 - Ammonia as N (500ml AG)	8081A - Pesticides (1 Liter - AG)	8151A - Herbicides (1 Liter - AG)	8082 - PCBs (1 Liter - AG)	8270C - Semivolatiles (1 Liter - AG)	2540C_Calcd - Total Dissolved Solids/ IC Chloride/ IC Nitrate (1 Liter - PE)	335.4 - Total Cyanide (500ml PE)	9034 - Total Sulfide (250ml PE)			Total Number of containers	
			Preservation Code:				A	B	D	S	N	N	N	N	N	N	OB				
TRIP BLANK				Water																	
MW-9A	9-14	0830	G	Water	N		3	3	1	1	2	2	2	2	1	1	1				Login: Shorthold includes Nitrate by IC
MW-9B	9-14	0720	G	Water	N		3	3	1	1	2	2	2	2	1	1	1				No TRIP
MW-11A	9-14	1090	G	Water	N		3	3	1	1	2	2	2	2	1	1	1				BLANKS
MW-11B	9-14	0935	G	Water	N		3	3	1	1	2	2	2	2	1	1	1				PROVIDED BY
MW-14A	9-14	0839	G	Water	N		3	3	1	1	2	2	2	2	1	1	1				TA
MW-14B	9-14	0752	G	Water	N		3	3	1	1	2	2	2	2	1	1	1				
MW-15A	9-14	1124	G	Water	N		3	[illegible]	[illegible]	1	2	2	2	2	1	1	1				
MW-15B	9-14	1022	G	Water	N		3	3	1	1	2	2	2	2	[illegible]	[illegible]	1				
FB	9-14	1230	G	Water	N				1	1	2	2	2	2	[illegible]	[illegible]	[illegible]				

280-101239 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]	9.14.17 / 1700	Pro-Tech	[signature]	9.15.17 1000	TAD
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 4.9 0.3, 3.6, 1.8 4.6, 1.2, 2.9, 2.1, 9.3, +0.1, ID
Transfered by AD 9.15.17

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW 9A	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 43.05 feet to 63.05 feet	STATIC DEPTH TO WATER (feet): 42.41	PURGE PUMP TYPE OR BAILER: ESP

WELL ELEVATION TOC (ft NGVD): NA | GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (63.05 feet – 42.41 feet) X 0.163 gallons/foot = 3.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 63.05 feet) + 0.05 gallons = 0.41 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 53.05	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 53.05	PURGING INITIATED AT: 0800	PURGING ENDED AT: 0830	TOTAL VOLUME PURGED (gallons): 6.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0820	4.00	4.00	0.20	43.04	7.41	24.4	149	2.1	2.73	171		
0823	0.60	4.60	0.20	43.04	7.40	24.4	149	2.0	2.69	171		
0826	0.60	5.20	0.20	43.04	7.40	24.4	149	2.0	2.57	172		
0829	0.60	5.80	0.20	43.04	7.40	24.4	148	2.0	2.51	172	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: PARATECH DAN ARMOUR, BLAINE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0830	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 53.05	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (D) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
X	SEE SAMPLE I.D.'S AND BOTTLE ORDER WORKSHEET								

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. *The above do not constitute all of the information required by Chapter 62-160, F.A.C.*
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW9B	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 79.30 feet to 89.30 feet	STATIC DEPTH TO WATER (feet): 42.60	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 89.30 feet) + 0.05 gallons = 0.48 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 84.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 84.30	PURGING INITIATED AT: 0700	PURGING ENDED AT: 0720	TOTAL VOLUME PURGED (gallons): 4.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0710	2.00	2.00	0.20	42.79	7.37	23.7	409	0.1	6.58	-106		
0713	0.60	2.60	0.20	42.79	7.37	23.7	410	0.1	5.20	-112		
0716	0.60	3.20	0.20	42.79	7.37	23.7	411	0.1	5.04	-114		SG
0719	0.60	3.80	0.20	42.79	7.37	23.7	410	0.1	4.33	-116	~~CLEAR~~ NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (GAL/FT.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: PAN-TECH DAN ARMOUR BLAINE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0720	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 84.30	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
*	SEE	SAMPLE	C-O-C	AND	BOTTLE	ORDER	WORKSHEET		

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW11A	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 37.50 feet to 57.50 feet	STATIC DEPTH TO WATER (feet): 39.76	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (57.50 feet – 39.76 feet) X 0.163 gallons/foot = 2.89 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 57.50 feet) + 0.05 gallons = 0.40 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 47.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47.50	PURGING INITIATED AT: 1015	PURGING ENDED AT: 1040		TOTAL VOLUME PURGED (gallons): 5.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1030	3.00	3.00	0.20	40.40	7.62	24.3	394	2.8	17.20	111		
1033	0.60	3.60	0.20	40.40	7.62	24.3	393	2.8	16.11	110		
1036	0.60	4.20	0.20	40.40	7.62	24.3	392	2.8	16.05	110		
1039	0.60	4.80	0.20	40.40	7.62	24.3	390	2.8	15.98	109	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: PARATECH DAN ARMOUR, BLAINE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 47.50	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (N) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL. ADDED IN FIELD (mL)	FINAL pH			
X	SEE	SAMPLE	C.O.C	AND	BOTTLE	ORDER	WORKSHEET		

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW11B	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 78.80 feet to 88.80 feet	STATIC DEPTH TO WATER (feet): 39.96	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 88.80 feet) + 0.05 gallons = 0.48 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 83.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 83.80	PURGING INITIATED AT: 0915	PURGING ENDED AT: 0935		TOTAL VOLUME PURGED (gallons): 4.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0925	2.00	2.00	0.20	50.42	7.50	24.7	444	0.2	9.61	48.8		
0928	0.60	2.60	0.20	50.42	7.53	24.7	444	0.2	9.02	48.2		
0931	0.60	3.20	0.20	50.42	7.57	24.7	439	0.2	8.44	47.5		
0934	0.60	3.80	0.20	50.42	7.58	24.7	438	0.2	7.99	47.0	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: PARATECH DAN ARMOUR BLAINE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0935	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 83.80	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (D) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
X	SEE SAMPLE C.O.C AND BOTTLE ORDER WORKSHEET								

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. *The above do not constitute all of the information required by Chapter 62-160, F.A.C.*
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW-14A	SAMPLE ID:		DATE: 9-19-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 38.15 feet to 58.15 feet	STATIC DEPTH TO WATER (feet): 36.91	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (58.15 feet – 36.91 feet) X 0.163 gallons/foot = 3.46 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 58.15 feet) + 0.05 gallons = 0.40 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 53.15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 53.15	PURGING INITIATED AT: 0812	PURGING ENDED AT: 0839	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0829	3.57	3.57	0.21	44.18	6.18	25.2	136	2.1	9.28	-29		
0832	0.63	4.20	0.21	44.19	6.23	25.2	134	2.0	10.11	-28		
0835	0.63	4.83	0.21	44.19	6.25	25.3	133	2.1	10.43	-27		
0838	0.63	5.46	0.21	44.19	6.23	25.3	132	2.1	9.69	-27	VERY LT. TAN	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./FT.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARNOLD BLAINE EMISSION	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0839	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 53.15	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
X	SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET								

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW-14B	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 90.6 feet to 100.6 feet	STATIC DEPTH TO WATER (feet): 43.30	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 100.60 feet) + 0.05 gallons = 0.51 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 95.60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 95.60	PURGING INITIATED AT: 0730	PURGING ENDED AT: 0752	TOTAL VOLUME PURGED (gallons): 4.84

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0742	2.64	2.64	0.22	43.68	7.78	24.2	173	0.2	3.26	-31		
0745	0.66	3.30	0.22	43.68	7.71	24.2	175	0.2	2.84	-31		
0748	0.66	3.96	0.22	43.68	7.74	24.2	174	0.2	2.86	-32		
0751	0.66	4.62	0.22	43.68	7.70	24.2	175	0.2	2.78	-33	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARNOLD BLAINE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0752	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 95.60	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
X	SEE SAMPLE C.O.C AND BOTTLE ORDER WORKSHEET								

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW-15A	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 49.3 feet to 69.3 feet	STATIC DEPTH TO WATER (feet): 40.40	PURGE PUMP TYPE OR BAILER: ESP

WELL ELEVATION TOC (ft NGVD): NA GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (69.30 feet – 40.40 feet) X 0.163 gallons/foot = 4.71 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 69.30 feet) + 0.05 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 64.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 64.30	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1124	TOTAL VOLUME PURGED (gallons): 7.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1114	4.75	4.75	0.25	41.58	6.45	25.8	59	3.1	6.87	-79		
1117	0.75	5.50	0.25	41.58	6.48	25.6	59	3.1	5.05	-79		
1120	0.75	6.25	0.25	41.58	6.49	25.6	59	3.1	4.32	-77		
1123	0.75	7.00	0.25	41.58	6.49	25.6	59	3.1	4.33	-76	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Pan-Tech DAN ARNOLD & BLAKE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1124	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 64.30	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N replaced	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
X	SEE SAMPLE C.O.C AND BOTTLE ORDER WORKSHEET								

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA FL	
WELL NO: MW-15B	SAMPLE ID:		DATE: 9-14-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 83.48 feet to 93.48 feet	STATIC DEPTH TO WATER (feet): 47.60	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA			GROUNDWATER ELEVATION (ft NGVD): NA	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + 0.0026 gallons/foot X 93.48 feet) + 0.05 gallons = 0.49 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 88.48	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 88.48	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1022	TOTAL VOLUME PURGED (gallons): 4.84

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1012	2.64	2.64	0.22	52.89	6.72	26.3	117	2.4	8.10	-80		
1015	0.66	3.30	0.22	52.90	6.80	26.2	117	2.4	9.10	-79		
1018	0.66	3.96	0.22	52.90	6.81	26.1	113	2.4	9.32	-80		
1021	0.66	4.62	0.22	52.91	6.81	26.2	113	2.3	9.17	-80	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARNOLD / BLAKE GRISSOM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1022	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 88.48	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
*	SEE	SAMPLE	L.O.C	AND	BOTTLE	ORDER	WORKSHEET		

REMARKS:
SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: FB	SAMPLE ID:		DATE: 9-14-19

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: – feet to – feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: NA

WELL ELEVATION TOC (ft NGVD): NA | GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: NA	PURGING ENDED AT: NA	TOTAL VOLUME PURGED (gallons): NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1230	NA	NA	NA	NA	6.81	25.7	7	0.6	0.00	14	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAN ARMOUR / PRO-TECH	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1230	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): NA	TUBING MATERIAL CODE: NA	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced)		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
(X) SEE SAMPLE C-O-C AND BOTTLE ORDER WORKSHEET									

REMARKS:
SHEEN: No FB - COMPLETED USING D.I. H2O PROVIDED BY TEST AMERICA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
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pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-101239-1

Login Number: 101239
List Number: 1
Creator: Gomez, Alyssa I

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Refer to job narrative for details
Cooler Temperature is acceptable.	False	Refer to job narrative for details
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 sample IDs on the containers 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.	False	Refer to job narrative for details
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-101567-1
Client Project/Site: FL26|Vista
Sampling Event: New Well Background

For:
Waste Management
14415 CR 39
Duette, Florida 34219

Attn: Elizabeth Foeller

Authorized for release by:
10/18/2017 2:12:29 PM

Danielle Harrington, Project Manager II
(303)736-0176
danielle.harrington@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 280-101567-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Waste Management

Project: FL26|Vista

Report Number: 280-101567-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

This submission may contain field data obtained by the sampler. The methods referenced in this submission for the field data results may not be the methods used to obtain the field data by the sampler.

RECEIPT
The samples were received on 9/26/2017; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the coolers at receipt time were 4.5º C and 4.8º C.

Please note, this is the resample event.

All other sample bottles were received in acceptable condition.

HOLDING TIMES
All Holding Times were met.

METHOD BLANKS
Low levels of Barium are present in the method blank associated with QC batch 280-389556. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary.

All other Method Blanks were within the acceptance limits.

LABORATORY CONTROL SAMPLES (LCS)
The LCS for method 8260B exhibited a percent recovery above the QC limits for Acrolein. This is an indicator that data may be biased high. As no detectable concentrations are present in the associated samples, corrective action is deemed unnecessary.

The LCS/LCSD exhibited percent recoveries outside the QC limits for p-Phenylene diamine, Methapyriline, and/or ,3'3-Dimethylbenzidine. A full analyte spike was performed. The constituents listed below are not standard control analytes. AP9 compounds are controlled with advisory LCS limits; therefore, corrective action is deemed unnecessary.

Duplicate Method 8081A and 8082 LCSs were prepared in this batch. Recoveries for one of the pair were below lower control limits for several compounds. Because the LCSD was within control limits, corrective action was not taken
All other Laboratory Control Samples were within the acceptance limits.

Job ID: 280-101567-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

MATRIX SPIKE (MS) and MATRIX SPIKE DUPLICATES (MSD)

Laboratory generated MS/MSD analysis data have been provided. The MS/MSD for method 8260B exhibited some spike compound recoveries outside the QC limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Laboratory generated MS/MSD analysis data have been provided. The MS/MSD for method 8260B exhibited spike compound recoveries outside the QC limits for Acrolein. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Laboratory generated MS/MSD analysis data have been provided. The MS/MSD for method 8270C exhibited spike compound recoveries outside the QC limits for N-Nitrosodimethylamine. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Laboratory generated MS/MSD analysis data have been provided. The MS/MSD for method 8011 exhibited spike compound recoveries outside the QC limits for 1,2-Dibromoethane and 1,2-Dibromopropane. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

The method 8151, 8081A, and 8082 required MS/MSD could not be performed, due to insufficient sample volume submitted. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

ORGANICS

Continuing Calibration Verification (CCV) standards associated with samples in batch 280- 390377 exhibited %D values out of range, biased high, for Acrolein. This is an indicator that data may be biased high. As no detectable concentrations of Acrolein are present in the associated samples, corrective action is deemed unnecessary.

The continuing calibration verification (CCVIS) associated with batch 280-390703 recovered below the lower control limit for the surrogate, Tetrachloro-m-xylene (-16%/-16%). The samples associated with this CCV had surrogate recoveries in control; therefore, corrective action is deemed unnecessary.

Sample MW-15A underwent the sulfuric acid and mercury cleanups in order to reduce matrix interferences for Method 8082.

Detection Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 280-101567-1

No Detections.

Client Sample ID: MW-11B — Lab Sample ID: 280-101567-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.41				SU	1		Field Sampling	Total/NA
Field Conductivity	393				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	24.8				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	4.71				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	0.2				mg/L	1		Field Sampling	Total/NA
Field Color	NONE				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.99	I	2.0	0.45	ug/L	1		8260B	Total/NA

Client Sample ID: MW-14A — Lab Sample ID: 280-101567-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.09				SU	1		Field Sampling	Total/NA
Field Conductivity	80				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	25.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	8.22				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.0				mg/L	1		Field Sampling	Total/NA
Field Color	NONE				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	1.8		0.50	0.042	mg/L	1		300.0	Total/NA

Client Sample ID: MW-15B — Lab Sample ID: 280-101567-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.83				SU	1		Field Sampling	Total/NA
Field Conductivity	87				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	26.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	3.11				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.1				mg/L	1		Field Sampling	Total/NA
Field Color	NONE				No Unit	1		Field Sampling	Total/NA

Client Sample ID: MW-15A — Lab Sample ID: 280-101567-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.25				SU	1		Field Sampling	Total/NA
Field Conductivity	50				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	26.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	5.23				NTU	1		Field Sampling	Total/NA
Field Dissolved Oxygen	2.9				mg/L	1		Field Sampling	Total/NA
Field Color	NONE				No Unit	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.21	I	1.0	0.16	ug/L	1		8260B	Total/NA
Barium	5.8	I V	10	0.82	ug/L	1		6010B	Total Recoverable
Chromium	1.7	I	10	0.66	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

Detection Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Client Sample ID: MW-15A (Continued) — Lab Sample ID: 280-101567-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	160		100	22	ug/L	1		6010B	Total Recoverable
Sodium	4.8		1.0	0.12	mg/L	1		6010B	Total Recoverable
Chloride	5.1		3.0	0.25	mg/L	1		300.0	Total/NA
Nitrate as N	1.4		0.50	0.042	mg/L	1		300.0	Total/NA
Total Dissolved Solids	24		10	4.7	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL DEN
8081A	Organochlorine Pesticides (GC)	SW846	TAL DEN
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6010B	Metals (ICP)	SW846	TAL DEN
6020	Metals (ICP/MS)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
300.0	Anions, Ion Chromatography	MCAWW	TAL DEN
335.4	Cyanide, Total	MCAWW	TAL DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL DEN
Field Sampling	Field Sampling	EPA	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-101567-1	TRIP BLANK	Water	09/25/17 00:00	09/26/17 08:50
280-101567-2	MW-11B	Water	09/25/17 09:37	09/26/17 08:50
280-101567-3	MW-14A	Water	09/25/17 08:51	09/26/17 08:50
280-101567-4	MW-15B	Water	09/25/17 10:22	09/26/17 08:50
280-101567-5	MW-15A	Water	09/25/17 11:20	09/26/17 08:50

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

Client Sample ID: TRIP BLANK
Date Collected: 09/25/17 00:00
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 19:40	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 19:40	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 19:40	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 19:40	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 19:40	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 19:40	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 19:40	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 19:40	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 19:40	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 19:40	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 19:40	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 19:40	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 19:40	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 19:40	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 19:40	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 19:40	1
Acetone	1.9	U	20	1.9	ug/L			10/06/17 19:40	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 19:40	1
Acrolein	2.8	U J3	20	2.8	ug/L			10/06/17 19:40	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 19:40	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 19:40	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 19:40	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 19:40	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 19:40	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 19:40	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			10/06/17 19:40	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 19:40	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 19:40	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 19:40	1
Chloroform	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 19:40	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 19:40	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 19:40	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 19:40	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 19:40	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 19:40	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 19:40	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 19:40	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 19:40	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 19:40	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 19:40	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 19:40	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 19:40	1
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 19:40	1

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

Client Sample ID: TRIP BLANK — **Lab Sample ID: 280-101567-1**
Date Collected: 09/25/17 00:00 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 19:40	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 19:40	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 19:40	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 19:40	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 19:40	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 19:40	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 19:40	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 19:40	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 19:40	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 127*		*10/06/17 19:40*	*1*
4-Bromofluorobenzene (Surr)	*107*		*78 - 120*		*10/06/17 19:40*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 120*		*10/06/17 19:40*	*1*
Toluene-d8 (Surr)	*109*		*80 - 125*		*10/06/17 19:40*	*1*

Client Sample ID: MW-11B — **Lab Sample ID: 280-101567-2**
Date Collected: 09/25/17 09:37 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 15:01	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 15:01	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 15:01	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 15:01	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 15:01	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 15:01	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 15:01	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 15:01	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 15:01	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 15:01	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 15:01	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 15:01	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 15:01	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 15:01	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 15:01	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 15:01	1
Acetone	1.9	U	20	1.9	ug/L			10/06/17 15:01	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 15:01	1
Acrolein	2.8	U J3	20	2.8	ug/L			10/06/17 15:01	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 15:01	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 15:01	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 15:01	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:01	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 15:01	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 15:01	1
Carbon disulfide	**0.99**	**I**	2.0	0.45	ug/L			10/06/17 15:01	1

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

Client Sample ID: MW-11B
Date Collected: 09/25/17 09:37
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 15:01	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 15:01	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 15:01	1
Chloroform	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 15:01	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 15:01	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 15:01	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:01	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:01	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 15:01	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 15:01	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 15:01	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 15:01	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 15:01	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 15:01	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 15:01	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 15:01	1
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 15:01	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 15:01	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 15:01	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 15:01	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 15:01	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 15:01	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 15:01	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 15:01	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 15:01	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 15:01	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 127*		*10/06/17 15:01*	*1*
4-Bromofluorobenzene (Surr)	*103*		*78 - 120*		*10/06/17 15:01*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 120*		*10/06/17 15:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*10/06/17 15:01*	*1*

Client Sample ID: MW-14A
Date Collected: 09/25/17 08:51
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 15:21	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 15:21	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 15:21	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 15:21	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 15:21	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 15:21	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 15:21	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 15:21	1

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

Client Sample ID: MW-14A
Date Collected: 09/25/17 08:51
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 15:21	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 15:21	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 15:21	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 15:21	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 15:21	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 15:21	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 15:21	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 15:21	1
Acetone	1.9	U	20	1.9	ug/L			10/06/17 15:21	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 15:21	1
Acrolein	2.8	U J3	20	2.8	ug/L			10/06/17 15:21	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 15:21	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 15:21	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 15:21	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:21	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 15:21	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 15:21	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			10/06/17 15:21	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 15:21	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 15:21	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 15:21	1
Chloroform	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 15:21	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 15:21	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 15:21	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:21	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:21	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 15:21	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 15:21	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 15:21	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 15:21	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 15:21	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 15:21	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 15:21	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 15:21	1
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 15:21	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 15:21	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 15:21	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 15:21	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 15:21	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 15:21	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 15:21	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 15:21	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 15:21	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 15:21	1

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

Client Sample ID: MW-14A — **Lab Sample ID: 280-101567-3**
Date Collected: 09/25/17 08:51 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 127*		*10/06/17 15:21*	*1*
4-Bromofluorobenzene (Surr)	*110*		*78 - 120*		*10/06/17 15:21*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 120*		*10/06/17 15:21*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*10/06/17 15:21*	*1*

Client Sample ID: MW-15B — **Lab Sample ID: 280-101567-4**
Date Collected: 09/25/17 10:22 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 15:41	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 15:41	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 15:41	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 15:41	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 15:41	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 15:41	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 15:41	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 15:41	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 15:41	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 15:41	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 15:41	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 15:41	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 15:41	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 15:41	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 15:41	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 15:41	1
Acetone	1.9	U	20	1.9	ug/L			10/06/17 15:41	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 15:41	1
Acrolein	2.8	U J3	20	2.8	ug/L			10/06/17 15:41	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 15:41	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 15:41	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 15:41	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:41	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 15:41	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 15:41	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			10/06/17 15:41	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 15:41	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 15:41	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 15:41	1
Chloroform	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 15:41	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 15:41	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 15:41	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:41	1

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

Client Sample ID: MW-15B
Date Collected: 09/25/17 10:22
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 15:41	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 15:41	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 15:41	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 15:41	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 15:41	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 15:41	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 15:41	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 15:41	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 15:41	1
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 15:41	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 15:41	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 15:41	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 15:41	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 15:41	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 15:41	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 15:41	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 15:41	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 15:41	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 15:41	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 127*		*10/06/17 15:41*	*1*
4-Bromofluorobenzene (Surr)	*108*		*78 - 120*		*10/06/17 15:41*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 120*		*10/06/17 15:41*	*1*
Toluene-d8 (Surr)	*100*		*80 - 125*		*10/06/17 15:41*	*1*

Client Sample ID: MW-15A
Date Collected: 09/25/17 11:20
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 16:01	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 16:01	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 16:01	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 16:01	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 16:01	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 16:01	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 16:01	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 16:01	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 16:01	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 16:01	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 16:01	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 16:01	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 16:01	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 16:01	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 16:01	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 16:01	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 16:01	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 16:01	1

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

Client Sample ID: MW-15A
Date Collected: 09/25/17 11:20
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.9	U	20	1.9	ug/L			10/06/17 16:01	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 16:01	1
Acrolein	2.8	U J3	20	2.8	ug/L			10/06/17 16:01	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 16:01	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 16:01	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 16:01	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 16:01	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 16:01	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 16:01	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 16:01	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			10/06/17 16:01	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 16:01	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 16:01	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 16:01	1
Chloroform	**0.21**	**I**	1.0	0.16	ug/L			10/06/17 16:01	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 16:01	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 16:01	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 16:01	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 16:01	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 16:01	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 16:01	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 16:01	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 16:01	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 16:01	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 16:01	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 16:01	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 16:01	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 16:01	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 16:01	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 16:01	1
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 16:01	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 16:01	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 16:01	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 16:01	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 16:01	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 16:01	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 16:01	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 16:01	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 16:01	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 16:01	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 127*		*10/06/17 16:01*	*1*
4-Bromofluorobenzene (Surr)	*115*		*78 - 120*		*10/06/17 16:01*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 120*		*10/06/17 16:01*	*1*
Toluene-d8 (Surr)	*108*		*80 - 125*		*10/06/17 16:01*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: MW-15A
Date Collected: 09/25/17 11:20
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.6	U	9.5	1.6	ug/L		10/01/17 13:23	10/09/17 19:50	1
1,2,4-Trichlorobenzene	0.27	U	3.8	0.27	ug/L		10/01/17 13:23	10/09/17 19:50	1
1,3,5-Trinitrobenzene	3.8	U	48	3.8	ug/L		10/01/17 13:23	10/09/17 19:50	1
1,3-Dinitrobenzene	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
1,4-Naphthoquinone	13	U	48	13	ug/L		10/01/17 13:23	10/09/17 19:50	1
1-Naphthylamine	3.0	U	9.5	3.0	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,2'-oxybis(1-chloropropane)	0.27	U	9.5	0.27	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,3,4,6-Tetrachlorophenol	1.9	U	48	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,4,5-Trichlorophenol	0.43	U	9.5	0.43	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,4,6-Trichlorophenol	0.28	U	9.5	0.28	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,4-Dichlorophenol	0.61	U	9.5	0.61	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,4-Dimethylphenol	0.55	U	9.5	0.55	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,4-Dinitrophenol	9.5	U	29	9.5	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,4-Dinitrotoluene	1.6	U	9.5	1.6	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,6-Dichlorophenol	1.3	U	9.5	1.3	ug/L		10/01/17 13:23	10/09/17 19:50	1
2,6-Dinitrotoluene	1.8	U	9.5	1.8	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Acetylaminofluorene	6.7	U	95	6.7	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Chloronaphthalene	0.25	U	3.8	0.25	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Chlorophenol	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Methylnaphthalene	0.28	U	3.8	0.28	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Methylphenol	0.93	U	9.5	0.93	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Naphthylamine	2.9	U	9.5	2.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Nitroaniline	1.6	U	9.5	1.6	ug/L		10/01/17 13:23	10/09/17 19:50	1
2-Nitrophenol	0.37	U	9.5	0.37	ug/L		10/01/17 13:23	10/09/17 19:50	1
3,3'-Dichlorobenzidine	1.9	U	48	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
3,3'-Dimethylbenzidine	3.8	U J3	19	3.8	ug/L		10/01/17 13:23	10/09/17 19:50	1
3-Methylcholanthrene	1.6	U	19	1.6	ug/L		10/01/17 13:23	10/09/17 19:50	1
3-Methylphenol & 4-Methylphenol	0.24	U	9.5	0.24	ug/L		10/01/17 13:23	10/09/17 19:50	1
3-Nitroaniline	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
4,6-Dinitro-2-methylphenol	3.8	U	48	3.8	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Aminobiphenyl	4.3	U	48	4.3	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Bromophenyl phenyl ether	0.41	U	9.5	0.41	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Chloro-3-methylphenol	2.3	U	9.5	2.3	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Chloroaniline	2.0	U	9.5	2.0	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Chlorophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Dimethylaminoazobenzene	1.9	U	19	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Nitroaniline	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Nitrophenol	1.2	U	9.5	1.2	ug/L		10/01/17 13:23	10/09/17 19:50	1
4-Phenylenediamine	4.8	U J3	95	4.8	ug/L		10/01/17 13:23	10/09/17 19:50	1
5-Nitro-o-toluidine	1.3	U	19	1.3	ug/L		10/01/17 13:23	10/09/17 19:50	1
7,12-Dimethylbenz(a)anthracene	1.5	U	19	1.5	ug/L		10/01/17 13:23	10/09/17 19:50	1
Acenaphthene	0.27	U	3.8	0.27	ug/L		10/01/17 13:23	10/09/17 19:50	1
Acenaphthylene	0.47	U	3.8	0.47	ug/L		10/01/17 13:23	10/09/17 19:50	1
Acetophenone	0.23	U	9.5	0.23	ug/L		10/01/17 13:23	10/09/17 19:50	1
Anthracene	0.40	U	3.8	0.40	ug/L		10/01/17 13:23	10/09/17 19:50	1
Benzo(a)anthracene	0.33	U	3.8	0.33	ug/L		10/01/17 13:23	10/09/17 19:50	1
Benzo(a)pyrene	0.30	U	3.8	0.30	ug/L		10/01/17 13:23	10/09/17 19:50	1
Benzo(b)fluoranthene	0.51	U	3.8	0.51	ug/L		10/01/17 13:23	10/09/17 19:50	1
Benzo(ghi)perylene	0.48	U	3.8	0.48	ug/L		10/01/17 13:23	10/09/17 19:50	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-15A
Date Collected: 09/25/17 11:20
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	0.44	U	3.8	0.44	ug/L		10/01/17 13:23	10/09/17 19:50	1
Benzyl alcohol	0.22	U	9.5	0.22	ug/L		10/01/17 13:23	10/09/17 19:50	1
Bis(2-chloroethoxy)methane	0.92	U	9.5	0.92	ug/L		10/01/17 13:23	10/09/17 19:50	1
bis(2-Chloroethyl) ether	0.39	U	9.5	0.39	ug/L		10/01/17 13:23	10/09/17 19:50	1
Bis(2-ethylhexyl) phthalate	0.53	U	9.5	0.53	ug/L		10/01/17 13:23	10/09/17 19:50	1
Butyl benzyl phthalate	0.95	U	3.8	0.95	ug/L		10/01/17 13:23	10/09/17 19:50	1
Chlorobenzilate	0.63	U	9.5	0.63	ug/L		10/01/17 13:23	10/09/17 19:50	1
Chrysene	0.51	U	3.8	0.51	ug/L		10/01/17 13:23	10/09/17 19:50	1
Diallate	0.53	U	5.3	0.53	ug/L		10/01/17 13:23	10/09/17 19:50	1
Dibenz(a,h)anthracene	0.49	U	3.8	0.49	ug/L		10/01/17 13:23	10/09/17 19:50	1
Dibenzofuran	0.28	U	3.8	0.28	ug/L		10/01/17 13:23	10/09/17 19:50	1
Diethyl phthalate	0.36	U	3.8	0.36	ug/L		10/01/17 13:23	10/09/17 19:50	1
Dimethoate	1.0	U	19	1.0	ug/L		10/01/17 13:23	10/09/17 19:50	1
Dimethyl phthalate	0.20	U	3.8	0.20	ug/L		10/01/17 13:23	10/09/17 19:50	1
Di-n-butyl phthalate	1.1	U	3.8	1.1	ug/L		10/01/17 13:23	10/09/17 19:50	1
Di-n-octyl phthalate	0.33	U	3.8	0.33	ug/L		10/01/17 13:23	10/09/17 19:50	1
Dinoseb	3.8	U	19	3.8	ug/L		10/01/17 13:23	10/09/17 19:50	1
Diphenylamine	1.0	U	9.5	1.0	ug/L		10/01/17 13:23	10/09/17 19:50	1
Disulfoton	1.1	U	48	1.1	ug/L		10/01/17 13:23	10/09/17 19:50	1
Ethyl methanesulfonate	0.90	U	9.5	0.90	ug/L		10/01/17 13:23	10/09/17 19:50	1
Famphur	1.5	U	95	1.5	ug/L		10/01/17 13:23	10/09/17 19:50	1
Fluoranthene	0.19	U	3.8	0.19	ug/L		10/01/17 13:23	10/09/17 19:50	1
Fluorene	0.30	U	3.8	0.30	ug/L		10/01/17 13:23	10/09/17 19:50	1
Hexachlorobenzene	0.63	U	9.5	0.63	ug/L		10/01/17 13:23	10/09/17 19:50	1
Hexachlorobutadiene	3.1	U	9.5	3.1	ug/L		10/01/17 13:23	10/09/17 19:50	1
Hexachlorocyclopentadiene	9.5	U	48	9.5	ug/L		10/01/17 13:23	10/09/17 19:50	1
Hexachloroethane	2.0	U	9.5	2.0	ug/L		10/01/17 13:23	10/09/17 19:50	1
Hexachloropropene	1.9	U	95	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
Indeno(1,2,3-cd)pyrene	0.62	U	3.8	0.62	ug/L		10/01/17 13:23	10/09/17 19:50	1
Isodrin	1.7	U	9.5	1.7	ug/L		10/01/17 13:23	10/09/17 19:50	1
Isophorone	0.20	U	9.5	0.20	ug/L		10/01/17 13:23	10/09/17 19:50	1
Isosafrole	0.95	U	3.3	0.95	ug/L		10/01/17 13:23	10/09/17 19:50	1
Methapyrilene	19	U J3	48	19	ug/L		10/01/17 13:23	10/09/17 19:50	1
Methyl methanesulfonate	0.95	U	9.5	0.95	ug/L		10/01/17 13:23	10/09/17 19:50	1
Methyl parathion	3.1	U	48	3.1	ug/L		10/01/17 13:23	10/09/17 19:50	1
Naphthalene	0.28	U	3.8	0.28	ug/L		10/01/17 13:23	10/09/17 19:50	1
Nitrobenzene	0.77	U	9.5	0.77	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosodiethylamine	1.6	U	9.5	1.6	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosodimethylamine	0.28	U	9.5	0.28	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosodi-n-butylamine	1.2	U	9.5	1.2	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosodi-n-propylamine	0.33	U	9.5	0.33	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosodiphenylamine	0.42	U	9.5	0.42	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosomethylethylamine	1.7	U	9.5	1.7	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosopiperidine	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
N-Nitrosopyrrolidine	0.77	U	9.5	0.77	ug/L		10/01/17 13:23	10/09/17 19:50	1
O,O,O-Triethyl phosphorothioate	1.9	U	48	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
o-Toluidine	1.3	U	9.5	1.3	ug/L		10/01/17 13:23	10/09/17 19:50	1
Parathion	1.9	U	48	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
Pentachlorobenzene	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachloronitrobenzene	1.9	U	48	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
Pentachlorophenol	19	U	48	19	ug/L		10/01/17 13:23	10/09/17 19:50	1
Phenacetin	1.0	U	19	1.0	ug/L		10/01/17 13:23	10/09/17 19:50	1
Phenanthrene	0.25	U	3.8	0.25	ug/L		10/01/17 13:23	10/09/17 19:50	1
Phenol	1.9	U	9.5	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
Phorate	1.9	U	48	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
Pronamide	1.9	U	19	1.9	ug/L		10/01/17 13:23	10/09/17 19:50	1
Pyrene	0.35	U	9.5	0.35	ug/L		10/01/17 13:23	10/09/17 19:50	1
Safrole	1.1	U	19	1.1	ug/L		10/01/17 13:23	10/09/17 19:50	1
Thionazin	0.82	U	48	0.82	ug/L		10/01/17 13:23	10/09/17 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*48 - 135*	*10/01/17 13:23*	*10/09/17 19:50*	*1*
2-Fluorobiphenyl	*83*		*48 - 135*	*10/01/17 13:23*	*10/09/17 19:50*	*1*
2-Fluorophenol	*82*		*41 - 135*	*10/01/17 13:23*	*10/09/17 19:50*	*1*
Nitrobenzene-d5	*79*		*42 - 135*	*10/01/17 13:23*	*10/09/17 19:50*	*1*
Phenol-d5	*77*		*46 - 135*	*10/01/17 13:23*	*10/09/17 19:50*	*1*
Terphenyl-d14	*95*		*20 - 135*	*10/01/17 13:23*	*10/09/17 19:50*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Client Sample ID: TRIP BLANK — **Lab Sample ID: 280-101567-1**
Date Collected: 09/25/17 00:00 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0037	U	0.020	0.0037	ug/L		10/05/17 12:40	10/09/17 15:58	1
1,2-Dibromo-3-Chloropropane	0.0068	U	0.020	0.0068	ug/L		10/05/17 12:40	10/09/17 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*128*		*70 - 130*	*10/05/17 12:40*	*10/09/17 15:58*	*1*

Client Sample ID: MW-11B — **Lab Sample ID: 280-101567-2**
Date Collected: 09/25/17 09:37 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0037	U	0.020	0.0037	ug/L		10/05/17 12:40	10/09/17 16:17	1
1,2-Dibromo-3-Chloropropane	0.0068	U	0.020	0.0068	ug/L		10/05/17 12:40	10/09/17 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*122*		*70 - 130*	*10/05/17 12:40*	*10/09/17 16:17*	*1*

Client Sample ID: MW-14A — **Lab Sample ID: 280-101567-3**
Date Collected: 09/25/17 08:51 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0036	U	0.020	0.0036	ug/L		10/05/17 12:40	10/09/17 16:35	1
1,2-Dibromo-3-Chloropropane	0.0067	U	0.020	0.0067	ug/L		10/05/17 12:40	10/09/17 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*130*		*70 - 130*	*10/05/17 12:40*	*10/09/17 16:35*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Client Sample ID: MW-15B — **Lab Sample ID: 280-101567-4**
Date Collected: 09/25/17 10:22 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0037	U	0.020	0.0037	ug/L		10/05/17 12:40	10/09/17 16:54	1
1,2-Dibromo-3-Chloropropane	0.0068	U	0.020	0.0068	ug/L		10/05/17 12:40	10/09/17 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*112*		*70 - 130*	*10/05/17 12:40*	*10/09/17 16:54*	*1*

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0037	U	0.020	0.0037	ug/L		10/05/17 12:40	10/09/17 17:31	1
1,2-Dibromo-3-Chloropropane	0.0068	U	0.020	0.0068	ug/L		10/05/17 12:40	10/09/17 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*113*		*70 - 130*	*10/05/17 12:40*	*10/09/17 17:31*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U J3	0.048	0.0073	ug/L		09/27/17 05:19	10/10/17 17:50	1
4,4'-DDE	0.0071	U J3	0.048	0.0071	ug/L		09/27/17 05:19	10/10/17 17:50	1
4,4'-DDT	0.014	U J3	0.048	0.014	ug/L		09/27/17 05:19	10/10/17 17:50	1
Aldrin	0.0056	U J3	0.048	0.0056	ug/L		09/27/17 05:19	10/10/17 17:50	1
alpha-BHC	0.0051	U J3	0.048	0.0051	ug/L		09/27/17 05:19	10/10/17 17:50	1
beta-BHC	0.0083	U J3	0.048	0.0083	ug/L		09/27/17 05:19	10/10/17 17:50	1
delta-BHC	0.0055	U J3	0.048	0.0055	ug/L		09/27/17 05:19	10/10/17 17:50	1
Dieldrin	0.0060	U J3	0.048	0.0060	ug/L		09/27/17 05:19	10/10/17 17:50	1
Endosulfan I	0.0055	U J3	0.048	0.0055	ug/L		09/27/17 05:19	10/10/17 17:50	1
Endosulfan II	0.0067	U J3	0.048	0.0067	ug/L		09/27/17 05:19	10/10/17 17:50	1
Endosulfan sulfate	0.0054	U J3	0.048	0.0054	ug/L		09/27/17 05:19	10/10/17 17:50	1
Endrin	0.0075	U J3	0.048	0.0075	ug/L		09/27/17 05:19	10/10/17 17:50	1
Endrin aldehyde	0.0084	U	0.048	0.0084	ug/L		09/27/17 05:19	10/10/17 17:50	1
gamma-BHC (Lindane)	0.0066	U J3	0.048	0.0066	ug/L		09/27/17 05:19	10/10/17 17:50	1
Heptachlor	0.0073	U J3	0.048	0.0073	ug/L		09/27/17 05:19	10/10/17 17:50	1
Heptachlor epoxide	0.0071	U J3	0.048	0.0071	ug/L		09/27/17 05:19	10/10/17 17:50	1
Kepone	0.33	U	0.95	0.33	ug/L		09/27/17 05:19	10/10/17 17:50	1
Methoxychlor	0.012	U	0.095	0.012	ug/L		09/27/17 05:19	10/10/17 17:50	1
Toxaphene	0.35	U	1.9	0.35	ug/L		09/27/17 05:19	10/10/17 17:50	1
Technical Chlordane	0.13	U	0.48	0.13	ug/L		09/27/17 05:19	10/10/17 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*34 - 122*	*09/27/17 05:19*	*10/10/17 17:50*	*1*
Tetrachloro-m-xylene	*67*		*28 - 115*	*09/27/17 05:19*	*10/10/17 17:50*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U J3	0.95	0.12	ug/L		09/27/17 05:19	10/03/17 21:16	1
Aroclor 1221	0.20	U	0.95	0.20	ug/L		09/27/17 05:19	10/03/17 21:16	1
Aroclor 1232	0.16	U	0.95	0.16	ug/L		09/27/17 05:19	10/03/17 21:16	1
Aroclor 1242	0.099	U	0.95	0.099	ug/L		09/27/17 05:19	10/03/17 21:16	1
Aroclor 1248	0.087	U	0.95	0.087	ug/L		09/27/17 05:19	10/03/17 21:16	1
Aroclor 1254	0.11	U	0.95	0.11	ug/L		09/27/17 05:19	10/03/17 21:16	1
Aroclor 1260	0.15	U J3	0.95	0.15	ug/L		09/27/17 05:19	10/03/17 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*30 - 136*	*09/27/17 05:19*	*10/03/17 21:16*	*1*
Tetrachloro-m-xylene	*83*		*25 - 120*	*09/27/17 05:19*	*10/03/17 21:16*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	3.8	0.20	ug/L		09/27/17 07:35	10/03/17 02:56	1
2,4,5-T	0.18	U	0.95	0.18	ug/L		09/27/17 07:35	10/03/17 02:56	1
2,4,5-TP (Silvex)	0.16	U	0.95	0.16	ug/L		09/27/17 07:35	10/03/17 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*39 - 135*	*09/27/17 07:35*	*10/03/17 02:56*	*1*

Method: 6010B - Metals (ICP) - Total Recoverable

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**5.8**	**I V**	10	0.82	ug/L		09/28/17 07:34	09/29/17 04:52	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/28/17 07:34	09/29/17 04:52	1
Cobalt	1.2	U	10	1.2	ug/L		09/28/17 07:34	09/29/17 04:52	1
Chromium	**1.7**	**I**	10	0.66	ug/L		09/28/17 07:34	09/29/17 04:52	1
Copper	4.2	U	15	4.2	ug/L		09/28/17 07:34	09/29/17 04:52	1
Nickel	2.6	U	40	2.6	ug/L		09/28/17 07:34	09/29/17 04:52	1
Lead	2.7	U	9.0	2.7	ug/L		09/28/17 07:34	09/29/17 04:52	1
Selenium	6.3	U	20	6.3	ug/L		09/28/17 07:34	09/29/17 04:52	1
Iron	**160**		100	22	ug/L		09/28/17 07:34	09/29/17 04:52	1
Vanadium	1.1	U	10	1.1	ug/L		09/28/17 07:34	09/29/17 04:52	1
Zinc	4.5	U	20	4.5	ug/L		09/28/17 07:34	09/29/17 04:52	1
Silver	0.93	U	10	0.93	ug/L		09/28/17 07:34	09/29/17 04:52	1
Sodium	**4.8**		1.0	0.12	mg/L		09/28/17 07:34	09/29/17 04:52	1
Tin	5.8	U	100	5.8	ug/L		09/28/17 07:34	09/29/17 04:52	1

Client Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/28/17 07:34	09/28/17 17:27	1
Arsenic	0.33	U	5.0	0.33	ug/L		09/28/17 07:34	09/28/17 17:27	1
Beryllium	0.080	U	1.0	0.080	ug/L		09/28/17 07:34	09/29/17 15:18	1
Thallium	0.050	U	1.0	0.050	ug/L		09/28/17 07:34	09/28/17 17:27	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/28/17 11:57	09/28/17 18:50	1

General Chemistry

Client Sample ID: MW-14A — **Lab Sample ID: 280-101567-3**
Date Collected: 09/25/17 08:51 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.8**		0.50	0.042	mg/L			09/26/17 16:01	1

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.1**		3.0	0.25	mg/L			09/27/17 08:29	1
Nitrate as N	**1.4**		0.50	0.042	mg/L			09/27/17 08:29	1
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		10/06/17 07:04	10/07/17 10:57	1
Total Dissolved Solids	**24**		10	4.7	mg/L			09/27/17 13:35	1

Method: Field Sampling - Field Sampling

Client Sample ID: MW-11B — **Lab Sample ID: 280-101567-2**
Date Collected: 09/25/17 09:37 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.41**				SU			09/25/17 07:37	1
Field Conductivity	**393**				umhos/cm			09/25/17 07:37	1
Field Temperature	**24.8**				Degrees C			09/25/17 07:37	1
Field Turbidity	**4.71**				NTU			09/25/17 07:37	1
Field Dissolved Oxygen	**0.2**				mg/L			09/25/17 07:37	1
Field Color	**NONE**				No Unit			09/25/17 07:37	1

Client Sample ID: MW-14A — **Lab Sample ID: 280-101567-3**
Date Collected: 09/25/17 08:51 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.09**				SU			09/25/17 06:51	1
Field Conductivity	**80**				umhos/cm			09/25/17 06:51	1
Field Temperature	**25.3**				Degrees C			09/25/17 06:51	1
Field Turbidity	**8.22**				NTU			09/25/17 06:51	1

Method: Field Sampling - Field Sampling (Continued)

Client Sample ID: MW-14A — **Lab Sample ID: 280-101567-3**
Date Collected: 09/25/17 08:51 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field Dissolved Oxygen	2.0				mg/L			09/25/17 06:51	1
Field Color	NONE				No Unit			09/25/17 06:51	1

Client Sample ID: MW-15B — **Lab Sample ID: 280-101567-4**
Date Collected: 09/25/17 10:22 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.83				SU			09/25/17 08:22	1
Field Conductivity	87				umhos/cm			09/25/17 08:22	1
Field Temperature	26.3				Degrees C			09/25/17 08:22	1
Field Turbidity	3.11				NTU			09/25/17 08:22	1
Field Dissolved Oxygen	2.1				mg/L			09/25/17 08:22	1
Field Color	NONE				No Unit			09/25/17 08:22	1

Client Sample ID: MW-15A — **Lab Sample ID: 280-101567-5**
Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.25				SU			09/25/17 09:20	1
Field Conductivity	50				umhos/cm			09/25/17 09:20	1
Field Temperature	26.3				Degrees C			09/25/17 09:20	1
Field Turbidity	5.23				NTU			09/25/17 09:20	1
Field Dissolved Oxygen	2.9				mg/L			09/25/17 09:20	1
Field Color	NONE				No Unit			09/25/17 09:20	1

Surrogate Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-127)	(78-120)	(77-120)	(80-125)
280-101564-D-1 MS	Matrix Spike	124	107	106	102
280-101564-D-1 MSD	Matrix Spike Duplicate	113	105	99	102
280-101567-1	TRIP BLANK	91	107	99	109
280-101567-2	MW-11B	115	103	103	102
280-101567-3	MW-14A	119	110	108	102
280-101567-4	MW-15B	113	108	98	100
280-101567-5	MW-15A	115	115	104	108
280-101611-H-1 MS	Matrix Spike	100	104	103	101
280-101611-H-1 MSD	Matrix Spike Duplicate	103	106	105	104
LCS 280-390250/4	Lab Control Sample	100	110	95	103
LCS 280-390377/4	Lab Control Sample	102	107	102	101
MB 280-390250/6	Method Blank	105	104	100	99
MB 280-390377/6	Method Blank	105	113	105	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(48-135)	(48-135)	(41-135)	(42-135)	(46-135)	(20-135)
280-101567-5	MW-15A	79	83	82	79	77	95
280-101586-C-1-A MS	Matrix Spike	81	77	66	69	69	51
280-101586-I-1-A MSD	Matrix Spike Duplicate	78	76	63	69	65	42
LCS 280-389630/2-A	Lab Control Sample	85	87	76	82	71	90
LCS 280-389630/4-A	Lab Control Sample	85	82	76	73	78	91
LCSD 280-389630/3-A	Lab Control Sample Dup	85	85	78	78	79	88
LCSD 280-389630/5-A	Lab Control Sample Dup	79	80	75	78	72	88
MB 280-389630/1-A	Method Blank	80	87	81	83	78	93

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		12DBP1
Lab Sample ID	Client Sample ID	(70-130)
280-101567-1	TRIP BLANK	128

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	12DBP1 (70-130)
280-101567-3	MW-14A	130
320-31906-J-2-A MS	Matrix Spike	192 J1
320-31906-L-2-A MSD	Matrix Spike Duplicate	204 J1
LCS 280-390158/3-A	Lab Control Sample	117
MB 280-390158/2-A	Method Blank	128

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

12DBP = 1,2-Dibromopropane

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	12DBP2 (70-130)
280-101567-2	MW-11B	122
280-101567-4	MW-15B	112
280-101567-5	MW-15A	113

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

12DBP = 1,2-Dibromopropane

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	DCB1 (34-122)	TCX1 (28-115)
280-101567-5	MW-15A	73	67
LCS 280-389061/2-A	Lab Control Sample	81	29
LCS 280-389061/4-A	Lab Control Sample	63	36
LCSD 280-389061/3-A	Lab Control Sample Dup	86	54
LCSD 280-389061/5-A	Lab Control Sample Dup	84	42
MB 280-389061/1-A	Method Blank	82	54

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	DCB2 (30-136)	TCX2 (25-120)
280-101567-5	MW-15A	76	83
LCS 280-389061/6-A	Lab Control Sample	81	32
LCSD 280-389061/7-A	Lab Control Sample Dup	44	26
MB 280-389061/1-A	Method Blank	89	70

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

Surrogate Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**DCPA1 (39-135)**							
280-101567-5	MW-15A	72							
LCS 280-389067/2-A	Lab Control Sample	72							
LCSD 280-389067/3-A	Lab Control Sample Dup	75							
MB 280-389067/1-A	Method Blank	73							

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 280-390250/6
Matrix: Water
Analysis Batch: 390250

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	0.21	U	1.0	0.21	ug/L			10/06/17 09:50	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 09:50	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 09:50	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 09:50	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 09:50	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 09:50	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 09:50	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 09:50	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 09:50	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 09:50	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 09:50	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 09:50	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 09:50	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 09:50	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 09:50	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 09:50	1
Acetone	1.9	U	20	1.9	ug/L			10/06/17 09:50	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 09:50	1
Acrolein	2.8	U	20	2.8	ug/L			10/06/17 09:50	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 09:50	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 09:50	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 09:50	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 09:50	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 09:50	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 09:50	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			10/06/17 09:50	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 09:50	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 09:50	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 09:50	1
Chloroform	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 09:50	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 09:50	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 09:50	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 09:50	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 09:50	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 09:50	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 09:50	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 09:50	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 09:50	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 09:50	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 09:50	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 09:50	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 09:50	1

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

Lab Sample ID: MB 280-390250/6
Matrix: Water
Analysis Batch: 390250

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 09:50	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 09:50	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 09:50	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 09:50	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 09:50	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 09:50	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 09:50	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 09:50	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 09:50	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 09:50	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 09:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*		*10/06/17 09:50*	*1*
4-Bromofluorobenzene (Surr)	*104*		*78 - 120*		*10/06/17 09:50*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 120*		*10/06/17 09:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 125*		*10/06/17 09:50*	*1*

Lab Sample ID: LCS 280-390250/4
Matrix: Water
Analysis Batch: 390250

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	5.00	4.94		ug/L		99	65 - 135
1,1,1-Trichloroethane	5.00	5.29		ug/L		106	65 - 135
1,1,2,2-Tetrachloroethane	5.00	4.70		ug/L		94	58 - 135
1,1,2-Trichloroethane	5.00	4.81		ug/L		96	64 - 135
1,1-Dichloroethane	5.00	5.15		ug/L		103	65 - 135
1,1-Dichloroethene	5.00	5.10		ug/L		102	65 - 136
1,1-Dichloropropene	5.00	5.58		ug/L		112	65 - 135
1,2,3-Trichloropropane	5.00	4.73		ug/L		95	65 - 135
1,2-Dichlorobenzene	5.00	4.63		ug/L		93	65 - 135
1,2-Dichloroethane	5.00	5.50		ug/L		110	65 - 135
1,2-Dichloropropane	5.00	4.74		ug/L		95	64 - 135
1,3-Dichlorobenzene	5.00	4.69		ug/L		94	65 - 135
1,3-Dichloropropane	5.00	4.79		ug/L		96	64 - 135
1,4-Dichlorobenzene	5.00	4.81		ug/L		96	65 - 135
2,2-Dichloropropane	5.00	5.28		ug/L		106	65 - 135
2-Butanone (MEK)	20.0	17.0		ug/L		85	44 - 177
2-Hexanone	20.0	14.1		ug/L		71	57 - 139
4-Methyl-2-pentanone (MIBK)	20.0	15.5		ug/L		78	60 - 150
Acetone	20.0	15.6	I	ug/L		78	39 - 156
Acrolein	50.0	92.1	J3	ug/L		184	36 - 147
Acrylonitrile	50.0	48.6		ug/L		97	56 - 135
Allyl chloride	5.00	5.10		ug/L		102	50 - 135
Benzene	5.00	4.99		ug/L		100	65 - 135
Bromochloromethane	5.00	4.74		ug/L		95	65 - 135
Bromodichloromethane	5.00	5.38		ug/L		108	65 - 135

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

Lab Sample ID: LCS 280-390250/4
Matrix: Water
Analysis Batch: 390250

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	5.00	4.88		ug/L		98	62 - 135
Bromomethane	5.00	4.80		ug/L		96	45 - 135
Carbon disulfide	5.00	5.18		ug/L		104	55 - 143
Carbon tetrachloride	5.00	5.60		ug/L		112	65 - 135
Chlorobenzene	5.00	5.01		ug/L		100	65 - 135
Chloroethane	5.00	4.80		ug/L		96	46 - 136
Chloroform	5.00	5.26		ug/L		105	65 - 135
Chloromethane	5.00	4.17		ug/L		83	34 - 145
cis-1,2-Dichloroethene	5.00	5.03		ug/L		101	65 - 135
cis-1,3-Dichloropropene	5.00	4.80		ug/L		96	65 - 135
Dibromochloromethane	5.00	4.67		ug/L		93	65 - 135
Dibromomethane	5.00	4.93		ug/L		99	65 - 135
Dichlorodifluoromethane	5.00	4.58		ug/L		92	43 - 142
Ethyl methacrylate	5.00	4.27		ug/L		85	50 - 135
Ethylbenzene	5.00	4.91		ug/L		98	65 - 135
Iodomethane	5.00	4.65		ug/L		93	65 - 142
Isobutyl alcohol	125	116		ug/L		92	55 - 135
Methylene Chloride	5.00	5.09		ug/L		102	54 - 141
Styrene	5.00	4.92		ug/L		98	65 - 135
Tetrachloroethene	5.00	4.84		ug/L		97	65 - 135
Toluene	5.00	5.04		ug/L		101	65 - 135
trans-1,2-Dichloroethene	5.00	5.19		ug/L		104	65 - 135
trans-1,3-Dichloropropene	5.00	5.02		ug/L		100	65 - 135
trans-1,4-Dichloro-2-butene	5.00	4.61		ug/L		92	53 - 135
Trichloroethene	5.00	5.15		ug/L		103	65 - 135
Trichlorofluoromethane	5.00	5.08		ug/L		102	53 - 137
Vinyl acetate	10.0	9.78		ug/L		98	11 - 187
Vinyl chloride	5.00	4.66		ug/L		93	40 - 137
Xylenes (total)	10.0	10.1		ug/L		101	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 127*
4-Bromofluorobenzene (Surr)	*110*		*78 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 125*

Lab Sample ID: 280-101564-D-1 MS
Matrix: Water
Analysis Batch: 390250

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	0.21	U	5.00	5.52		ug/L		110	65 - 135
1,1,1-Trichloroethane	0.16	U	5.00	6.57		ug/L		131	65 - 135
1,1,2,2-Tetrachloroethane	0.21	U	5.00	5.12		ug/L		102	58 - 135
1,1,2-Trichloroethane	0.27	U	5.00	5.36		ug/L		107	64 - 135
1,1-Dichloroethane	0.22	U	5.00	5.93		ug/L		119	65 - 135
1,1-Dichloroethene	0.23	U	5.00	5.32		ug/L		106	65 - 136
1,1-Dichloropropene	0.19	U	5.00	6.24		ug/L		125	65 - 135

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

Lab Sample ID: 280-101564-D-1 MS
Matrix: Water
Analysis Batch: 390250

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
1,2,3-Trichloropropane	0.33	U	5.00	5.35		ug/L		107	65 - 135
1,2-Dichlorobenzene	0.15	U	5.00	4.87		ug/L		97	65 - 135
1,2-Dichloroethane	0.13	U	5.00	6.84	J3	ug/L		137	65 - 135
1,2-Dichloropropane	0.18	U	5.00	5.63		ug/L		113	64 - 135
1,3-Dichlorobenzene	0.13	U	5.00	4.95		ug/L		99	65 - 135
1,3-Dichloropropane	0.22	U	5.00	5.31		ug/L		106	64 - 135
1,4-Dichlorobenzene	0.16	U	5.00	4.91		ug/L		98	65 - 135
2,2-Dichloropropane	0.18	U	5.00	6.11		ug/L		122	65 - 135
2-Butanone (MEK)	2.0	U	20.0	16.1		ug/L		80	44 - 177
2-Hexanone	1.7	U	20.0	18.7		ug/L		94	57 - 139
4-Methyl-2-pentanone (MIBK)	0.98	U	20.0	19.5		ug/L		98	60 - 150
Acetone	1.9	U	20.0	17.4	I	ug/L		87	39 - 156
Acrolein	2.8	U J3	50.0	100	J3	ug/L		200	36 - 147
Acrylonitrile	1.4	U	50.0	53.7		ug/L		107	56 - 135
Allyl chloride	0.17	U	5.00	5.52		ug/L		110	50 - 135
Benzene	0.16	U	5.00	5.57		ug/L		111	65 - 135
Bromochloromethane	0.10	U	5.00	5.33		ug/L		107	65 - 135
Bromodichloromethane	0.17	U	5.00	6.34		ug/L		127	65 - 135
Bromoform	0.19	U	5.00	5.46		ug/L		109	62 - 135
Bromomethane	0.21	U	5.00	6.15		ug/L		123	45 - 135
Carbon disulfide	0.45	U	5.00	5.84		ug/L		117	55 - 143
Carbon tetrachloride	0.19	U	5.00	6.49		ug/L		130	65 - 135
Chlorobenzene	0.17	U	5.00	5.27		ug/L		105	65 - 135
Chloroethane	0.41	U	5.00	6.01		ug/L		120	46 - 136
Chloroform	0.16	U	5.00	6.34		ug/L		127	65 - 135
Chloromethane	0.30	U	5.00	4.81		ug/L		96	34 - 145
cis-1,2-Dichloroethene	0.35	I	5.00	5.70		ug/L		107	65 - 135
cis-1,3-Dichloropropene	0.16	U	5.00	5.01		ug/L		100	65 - 135
Dibromochloromethane	0.17	U	5.00	5.23		ug/L		105	65 - 135
Dibromomethane	0.17	U	5.00	5.63		ug/L		113	65 - 135
Dichlorodifluoromethane	0.31	U	5.00	5.82		ug/L		116	43 - 142
Ethyl methacrylate	0.86	U	5.00	5.34		ug/L		107	50 - 135
Ethylbenzene	0.16	U	5.00	5.19		ug/L		104	65 - 135
Iodomethane	0.23	U	5.00	4.99		ug/L		100	65 - 142
Isobutyl alcohol	37	U	125	37	U J3	ug/L		0	55 - 135
Methylene Chloride	0.32	U	5.00	5.72		ug/L		114	54 - 141
Styrene	0.17	U	5.00	5.33		ug/L		107	65 - 135
Tetrachloroethene	0.20	U	5.00	4.90		ug/L		98	65 - 135
Toluene	0.17	U	5.00	5.48		ug/L		110	65 - 135
trans-1,2-Dichloroethene	0.15	U	5.00	5.92		ug/L		118	65 - 135
trans-1,3-Dichloropropene	0.19	U	5.00	5.94		ug/L		119	65 - 135
trans-1,4-Dichloro-2-butene	0.80	U	5.00	3.60		ug/L		72	53 - 135
Trichloroethene	0.16	U	5.00	5.49		ug/L		110	65 - 135
Trichlorofluoromethane	0.29	U	5.00	6.04		ug/L		121	53 - 137
Vinyl acetate	0.94	U	10.0	9.34		ug/L		93	11 - 187
Vinyl chloride	0.10	U	5.00	5.66		ug/L		113	40 - 137
Xylenes (total)	0.19	U	10.0	10.0		ug/L		100	65 - 135

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

Lab Sample ID: 280-101564-D-1 MS
Matrix: Water
Analysis Batch: 390250

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*124*		*70 - 127*
4-Bromofluorobenzene (Surr)	*107*		*78 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 125*

Lab Sample ID: 280-101564-D-1 MSD
Matrix: Water
Analysis Batch: 390250

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	0.21	U	5.00	5.65		ug/L		113	65 - 135	2	20
1,1,1-Trichloroethane	0.16	U	5.00	6.53		ug/L		131	65 - 135	1	20
1,1,2,2-Tetrachloroethane	0.21	U	5.00	4.92		ug/L		98	58 - 135	4	20
1,1,2-Trichloroethane	0.27	U	5.00	5.58		ug/L		112	64 - 135	4	27
1,1-Dichloroethane	0.22	U	5.00	6.10		ug/L		122	65 - 135	3	21
1,1-Dichloroethene	0.23	U	5.00	5.57		ug/L		111	65 - 136	5	20
1,1-Dichloropropene	0.19	U	5.00	6.04		ug/L		121	65 - 135	3	21
1,2,3-Trichloropropane	0.33	U	5.00	5.46		ug/L		109	65 - 135	2	23
1,2-Dichlorobenzene	0.15	U	5.00	5.12		ug/L		102	65 - 135	5	20
1,2-Dichloroethane	0.13	U	5.00	6.68		ug/L		134	65 - 135	2	20
1,2-Dichloropropane	0.18	U	5.00	5.57		ug/L		111	64 - 135	1	20
1,3-Dichlorobenzene	0.13	U	5.00	5.02		ug/L		100	65 - 135	1	20
1,3-Dichloropropane	0.22	U	5.00	5.47		ug/L		109	64 - 135	3	20
1,4-Dichlorobenzene	0.16	U	5.00	5.00		ug/L		100	65 - 135	2	23
2,2-Dichloropropane	0.18	U	5.00	6.38		ug/L		128	65 - 135	4	20
2-Butanone (MEK)	2.0	U	20.0	17.1		ug/L		85	44 - 177	6	32
2-Hexanone	1.7	U	20.0	19.5		ug/L		97	57 - 139	4	25
4-Methyl-2-pentanone (MIBK)	0.98	U	20.0	19.8		ug/L		99	60 - 150	1	22
Acetone	1.9	U	20.0	18.7	I	ug/L		94	39 - 156	8	23
Acrolein	2.8	U J3	50.0	108	J3	ug/L		215	36 - 147	7	30
Acrylonitrile	1.4	U	50.0	54.8		ug/L		110	56 - 135	2	30
Allyl chloride	0.17	U	5.00	5.60		ug/L		112	50 - 135	1	30
Benzene	0.16	U	5.00	5.50		ug/L		110	65 - 135	1	20
Bromochloromethane	0.10	U	5.00	5.47		ug/L		109	65 - 135	3	29
Bromodichloromethane	0.17	U	5.00	6.42		ug/L		128	65 - 135	1	20
Bromoform	0.19	U	5.00	5.45		ug/L		109	62 - 135	0	27
Bromomethane	0.21	U	5.00	5.92		ug/L		118	45 - 135	4	33
Carbon disulfide	0.45	U	5.00	5.86		ug/L		117	55 - 143	0	20
Carbon tetrachloride	0.19	U	5.00	6.46		ug/L		129	65 - 135	0	21
Chlorobenzene	0.17	U	5.00	5.44		ug/L		109	65 - 135	3	20
Chloroethane	0.41	U	5.00	5.83		ug/L		117	46 - 136	3	25
Chloroform	0.16	U	5.00	6.42		ug/L		128	65 - 135	1	20
Chloromethane	0.30	U	5.00	5.35		ug/L		107	34 - 145	10	24
cis-1,2-Dichloroethene	0.35	I	5.00	5.80		ug/L		109	65 - 135	2	20
cis-1,3-Dichloropropene	0.16	U	5.00	4.96		ug/L		99	65 - 135	1	26
Dibromochloromethane	0.17	U	5.00	5.22		ug/L		104	65 - 135	0	20
Dibromomethane	0.17	U	5.00	5.59		ug/L		112	65 - 135	1	26
Dichlorodifluoromethane	0.31	U	5.00	5.70		ug/L		114	43 - 142	2	30

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

Lab Sample ID: 280-101564-D-1 MSD
Matrix: Water
Analysis Batch: 390250

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
Ethyl methacrylate	0.86	U	5.00	5.33		ug/L		107	50 - 135	0	30
Ethylbenzene	0.16	U	5.00	5.36		ug/L		107	65 - 135	3	20
Iodomethane	0.23	U	5.00	5.07		ug/L		101	65 - 142	2	25
Isobutyl alcohol	37	U	125	37	U J3	ug/L		0	55 - 135	NC	30
Methylene Chloride	0.32	U	5.00	5.70		ug/L		114	54 - 141	0	26
Styrene	0.17	U	5.00	5.38		ug/L		108	65 - 135	1	26
Tetrachloroethene	0.20	U	5.00	5.11		ug/L		102	65 - 135	4	20
Toluene	0.17	U	5.00	5.46		ug/L		109	65 - 135	0	20
trans-1,2-Dichloroethene	0.15	U	5.00	5.48		ug/L		110	65 - 135	8	24
trans-1,3-Dichloropropene	0.19	U	5.00	5.53		ug/L		111	65 - 135	7	26
trans-1,4-Dichloro-2-butene	0.80	U	5.00	3.73		ug/L		75	53 - 135	3	25
Trichloroethene	0.16	U	5.00	5.60		ug/L		112	65 - 135	2	20
Trichlorofluoromethane	0.29	U	5.00	5.91		ug/L		118	53 - 137	2	27
Vinyl acetate	0.94	U	10.0	11.1		ug/L		111	11 - 187	17	24
Vinyl chloride	0.10	U	5.00	5.93		ug/L		119	40 - 137	5	24
Xylenes (total)	0.19	U	10.0	10.8		ug/L		108	65 - 135	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 127*
4-Bromofluorobenzene (Surr)	*105*		*78 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 125*

Lab Sample ID: MB 280-390377/6
Matrix: Water
Analysis Batch: 390377

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	0.21	U	1.0	0.21	ug/L			10/06/17 19:20	1
1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
1,1,2,2-Tetrachloroethane	0.21	U	1.0	0.21	ug/L			10/06/17 19:20	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			10/06/17 19:20	1
1,1-Dichloroethane	0.22	U	1.0	0.22	ug/L			10/06/17 19:20	1
1,1-Dichloroethene	0.23	U	1.0	0.23	ug/L			10/06/17 19:20	1
1,1-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/06/17 19:20	1
1,2,3-Trichloropropane	0.33	U	2.5	0.33	ug/L			10/06/17 19:20	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			10/06/17 19:20	1
1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L			10/06/17 19:20	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 19:20	1
1,3-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			10/06/17 19:20	1
1,3-Dichloropropane	0.22	U	1.0	0.22	ug/L			10/06/17 19:20	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
2,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/06/17 19:20	1
2-Butanone (MEK)	2.0	U	6.0	2.0	ug/L			10/06/17 19:20	1
2-Hexanone	1.7	U	5.0	1.7	ug/L			10/06/17 19:20	1
4-Methyl-2-pentanone (MIBK)	0.98	U	5.0	0.98	ug/L			10/06/17 19:20	1
Acetone	1.9	U	20	1.9	ug/L			10/06/17 19:20	1
Acetonitrile	9.6	U	30	9.6	ug/L			10/06/17 19:20	1

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

Lab Sample ID: MB 280-390377/6
Matrix: Water
Analysis Batch: 390377

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	2.8	U	20	2.8	ug/L			10/06/17 19:20	1
Acrylonitrile	1.4	U	20	1.4	ug/L			10/06/17 19:20	1
Allyl chloride	0.17	U	2.0	0.17	ug/L			10/06/17 19:20	1
Benzene	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
Bromochloromethane	0.10	U	1.0	0.10	ug/L			10/06/17 19:20	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 19:20	1
Bromoform	0.19	U	1.0	0.19	ug/L			10/06/17 19:20	1
Bromomethane	0.21	U	2.0	0.21	ug/L			10/06/17 19:20	1
Carbon disulfide	0.45	U	2.0	0.45	ug/L			10/06/17 19:20	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			10/06/17 19:20	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			10/06/17 19:20	1
Chloroethane	0.41	U	2.0	0.41	ug/L			10/06/17 19:20	1
Chloroform	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
Chloromethane	0.30	U	2.0	0.30	ug/L			10/06/17 19:20	1
Chloroprene	0.21	U	1.0	0.21	ug/L			10/06/17 19:20	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 19:20	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
Dibromochloromethane	0.17	U	1.0	0.17	ug/L			10/06/17 19:20	1
Dibromomethane	0.17	U	1.0	0.17	ug/L			10/06/17 19:20	1
Dichlorodifluoromethane	0.31	U	2.0	0.31	ug/L			10/06/17 19:20	1
Ethyl methacrylate	0.86	U	3.0	0.86	ug/L			10/06/17 19:20	1
Ethylbenzene	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
Iodomethane	0.23	U	1.0	0.23	ug/L			10/06/17 19:20	1
Isobutyl alcohol	37	U	110	37	ug/L			10/06/17 19:20	1
Methacrylonitrile	1.6	U	10	1.6	ug/L			10/06/17 19:20	1
Methyl methacrylate	1.1	U	4.0	1.1	ug/L			10/06/17 19:20	1
Methylene Chloride	0.32	U	2.0	0.32	ug/L			10/06/17 19:20	1
Propionitrile	3.7	U	20	3.7	ug/L			10/06/17 19:20	1
Styrene	0.17	U	1.0	0.17	ug/L			10/06/17 19:20	1
Tetrachloroethene	0.20	U	1.0	0.20	ug/L			10/06/17 19:20	1
Toluene	0.17	U	1.0	0.17	ug/L			10/06/17 19:20	1
trans-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			10/06/17 19:20	1
trans-1,3-Dichloropropene	0.19	U	3.0	0.19	ug/L			10/06/17 19:20	1
trans-1,4-Dichloro-2-butene	0.80	U	3.0	0.80	ug/L			10/06/17 19:20	1
Trichloroethene	0.16	U	1.0	0.16	ug/L			10/06/17 19:20	1
Trichlorofluoromethane	0.29	U	2.0	0.29	ug/L			10/06/17 19:20	1
Vinyl acetate	0.94	U	3.0	0.94	ug/L			10/06/17 19:20	1
Vinyl chloride	0.10	U	1.0	0.10	ug/L			10/06/17 19:20	1
Xylenes (total)	0.19	U	2.0	0.19	ug/L			10/06/17 19:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*		*10/06/17 19:20*	*1*
4-Bromofluorobenzene (Surr)	*113*		*78 - 120*		*10/06/17 19:20*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 120*		*10/06/17 19:20*	*1*
Toluene-d8 (Surr)	*105*		*80 - 125*		*10/06/17 19:20*	*1*

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

Lab Sample ID: LCS 280-390377/4
Matrix: Water
Analysis Batch: 390377

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	5.00	5.50		ug/L		110	65 - 135
1,1,1-Trichloroethane	5.00	5.05		ug/L		101	65 - 135
1,1,2,2-Tetrachloroethane	5.00	5.75		ug/L		115	58 - 135
1,1,2-Trichloroethane	5.00	5.46		ug/L		109	64 - 135
1,1-Dichloroethane	5.00	5.35		ug/L		107	65 - 135
1,1-Dichloroethene	5.00	5.02		ug/L		100	65 - 136
1,1-Dichloropropene	5.00	5.37		ug/L		107	65 - 135
1,2,3-Trichloropropane	5.00	5.40		ug/L		108	65 - 135
1,2-Dichlorobenzene	5.00	5.24		ug/L		105	65 - 135
1,2-Dichloroethane	5.00	5.28		ug/L		106	65 - 135
1,2-Dichloropropane	5.00	5.32		ug/L		106	64 - 135
1,3-Dichlorobenzene	5.00	5.30		ug/L		106	65 - 135
1,3-Dichloropropane	5.00	5.26		ug/L		105	64 - 135
1,4-Dichlorobenzene	5.00	5.42		ug/L		108	65 - 135
2,2-Dichloropropane	5.00	5.01		ug/L		100	65 - 135
2-Butanone (MEK)	20.0	16.7		ug/L		83	44 - 177
2-Hexanone	20.0	16.1		ug/L		80	57 - 139
4-Methyl-2-pentanone (MIBK)	20.0	17.0		ug/L		85	60 - 150
Acetone	20.0	20.3		ug/L		101	39 - 156
Acrolein	50.0	94.4	J3	ug/L		189	36 - 147
Acrylonitrile	50.0	53.6		ug/L		107	56 - 135
Allyl chloride	5.00	5.04		ug/L		101	50 - 135
Benzene	5.00	5.26		ug/L		105	65 - 135
Bromochloromethane	5.00	5.23		ug/L		105	65 - 135
Bromodichloromethane	5.00	5.33		ug/L		107	65 - 135
Bromoform	5.00	4.35		ug/L		87	62 - 135
Bromomethane	5.00	3.74		ug/L		75	45 - 135
Carbon disulfide	5.00	5.63		ug/L		113	55 - 143
Carbon tetrachloride	5.00	5.08		ug/L		102	65 - 135
Chlorobenzene	5.00	5.22		ug/L		104	65 - 135
Chloroethane	5.00	4.22		ug/L		84	46 - 136
Chloroform	5.00	5.27		ug/L		105	65 - 135
Chloromethane	5.00	4.07		ug/L		81	34 - 145
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	65 - 135
cis-1,3-Dichloropropene	5.00	4.56		ug/L		91	65 - 135
Dibromochloromethane	5.00	4.70		ug/L		94	65 - 135
Dibromomethane	5.00	5.27		ug/L		105	65 - 135
Dichlorodifluoromethane	5.00	3.95		ug/L		79	43 - 142
Ethyl methacrylate	5.00	3.74		ug/L		75	50 - 135
Ethylbenzene	5.00	5.21		ug/L		104	65 - 135
Iodomethane	5.00	4.65		ug/L		93	65 - 142
Isobutyl alcohol	125	130		ug/L		104	55 - 135
Methylene Chloride	5.00	5.44		ug/L		109	54 - 141
Styrene	5.00	4.69		ug/L		94	65 - 135
Tetrachloroethene	5.00	4.99		ug/L		100	65 - 135
Toluene	5.00	5.26		ug/L		105	65 - 135
trans-1,2-Dichloroethene	5.00	5.36		ug/L		107	65 - 135
trans-1,3-Dichloropropene	5.00	4.66		ug/L		93	65 - 135

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

Lab Sample ID: LCS 280-390377/4
Matrix: Water
Analysis Batch: 390377

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,4-Dichloro-2-butene	5.00	5.22		ug/L		104	53 - 135
Trichloroethene	5.00	4.82		ug/L		96	65 - 135
Trichlorofluoromethane	5.00	3.99		ug/L		80	53 - 137
Vinyl acetate	10.0	8.57		ug/L		86	11 - 187
Vinyl chloride	5.00	4.10		ug/L		82	40 - 137
Xylenes (total)	10.0	10.3		ug/L		103	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 127*
4-Bromofluorobenzene (Surr)	*107*		*78 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 125*

Lab Sample ID: 280-101611-H-1 MS
Matrix: Water
Analysis Batch: 390377

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	0.21	U	5.00	5.38		ug/L		108	65 - 135
1,1,1-Trichloroethane	0.16	U	5.00	4.99		ug/L		100	65 - 135
1,1,2,2-Tetrachloroethane	0.21	U	5.00	5.49		ug/L		110	58 - 135
1,1,2-Trichloroethane	0.27	U	5.00	5.23		ug/L		105	64 - 135
1,1-Dichloroethane	0.22	U	5.00	5.20		ug/L		104	65 - 135
1,1-Dichloroethene	0.23	U	5.00	4.86		ug/L		97	65 - 136
1,1-Dichloropropene	0.19	U	5.00	5.28		ug/L		106	65 - 135
1,2,3-Trichloropropane	0.33	U	5.00	5.01		ug/L		100	65 - 135
1,2-Dichlorobenzene	0.15	U	5.00	5.04		ug/L		101	65 - 135
1,2-Dichloroethane	0.13	U	5.00	5.07		ug/L		101	65 - 135
1,2-Dichloropropane	0.18	U	5.00	5.10		ug/L		102	64 - 135
1,3-Dichlorobenzene	0.13	U	5.00	5.10		ug/L		102	65 - 135
1,3-Dichloropropane	0.22	U	5.00	5.09		ug/L		102	64 - 135
1,4-Dichlorobenzene	0.16	U	5.00	5.25		ug/L		105	65 - 135
2,2-Dichloropropane	0.18	U	5.00	5.05		ug/L		101	65 - 135
2-Butanone (MEK)	2.0	U	20.0	16.9		ug/L		85	44 - 177
2-Hexanone	1.7	U	20.0	15.9		ug/L		79	57 - 139
4-Methyl-2-pentanone (MIBK)	0.98	U	20.0	16.9		ug/L		85	60 - 150
Acetone	1.9	U	20.0	22.9		ug/L		115	39 - 156
Acrolein	2.8	U J3	50.0	91.6	J3	ug/L		183	36 - 147
Acrylonitrile	1.4	U	50.0	50.6		ug/L		101	56 - 135
Allyl chloride	0.17	U	5.00	4.79		ug/L		96	50 - 135
Benzene	0.16	U	5.00	5.15		ug/L		103	65 - 135
Bromochloromethane	0.10	U	5.00	5.02		ug/L		100	65 - 135
Bromodichloromethane	0.17	U	5.00	5.16		ug/L		103	65 - 135
Bromoform	0.19	U	5.00	4.14		ug/L		83	62 - 135
Bromomethane	0.21	U	5.00	3.94		ug/L		79	45 - 135
Carbon disulfide	0.45	U	5.00	5.50		ug/L		110	55 - 143
Carbon tetrachloride	0.19	U	5.00	5.03		ug/L		101	65 - 135
Chlorobenzene	0.17	U	5.00	5.11		ug/L		102	65 - 135

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

Lab Sample ID: 280-101611-H-1 MS
Matrix: Water
Analysis Batch: 390377

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
Chloroethane	0.41	U	5.00	4.27		ug/L		85	46 - 136
Chloroform	0.16	U	5.00	5.20		ug/L		104	65 - 135
Chloromethane	0.30	U	5.00	3.98		ug/L		80	34 - 145
cis-1,2-Dichloroethene	0.15	U	5.00	5.00		ug/L		100	65 - 135
cis-1,3-Dichloropropene	0.16	U	5.00	4.16		ug/L		83	65 - 135
Dibromochloromethane	0.17	U	5.00	4.50		ug/L		90	65 - 135
Dibromomethane	0.17	U	5.00	5.00		ug/L		100	65 - 135
Dichlorodifluoromethane	0.31	U	5.00	4.33		ug/L		87	43 - 142
Ethyl methacrylate	0.86	U	5.00	3.72		ug/L		74	50 - 135
Ethylbenzene	0.16	U	5.00	5.12		ug/L		102	65 - 135
Iodomethane	0.23	U	5.00	4.53		ug/L		91	65 - 142
Isobutyl alcohol	37	U	125	132		ug/L		105	55 - 135
Methylene Chloride	0.32	U	5.00	4.98		ug/L		100	54 - 141
Styrene	0.17	U	5.00	4.56		ug/L		91	65 - 135
Tetrachloroethene	0.20	U	5.00	4.93		ug/L		99	65 - 135
Toluene	0.17	U	5.00	5.14		ug/L		103	65 - 135
trans-1,2-Dichloroethene	0.15	U	5.00	5.28		ug/L		106	65 - 135
trans-1,3-Dichloropropene	0.19	U	5.00	4.61		ug/L		92	65 - 135
trans-1,4-Dichloro-2-butene	0.80	U	5.00	4.75		ug/L		95	53 - 135
Trichloroethene	0.16	U	5.00	4.62		ug/L		92	65 - 135
Trichlorofluoromethane	0.29	U	5.00	4.31		ug/L		86	53 - 137
Vinyl acetate	0.94	U	10.0	8.74		ug/L		87	11 - 187
Vinyl chloride	0.10	U	5.00	4.10		ug/L		82	40 - 137
Xylenes (total)	0.19	U	10.0	10.1		ug/L		101	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 127*
4-Bromofluorobenzene (Surr)	*104*		*78 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 125*

Lab Sample ID: 280-101611-H-1 MSD
Matrix: Water
Analysis Batch: 390377

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	0.21	U	5.00	5.52		ug/L		110	65 - 135	3	20
1,1,1-Trichloroethane	0.16	U	5.00	5.09		ug/L		102	65 - 135	2	20
1,1,2,2-Tetrachloroethane	0.21	U	5.00	5.70		ug/L		114	58 - 135	4	20
1,1,2-Trichloroethane	0.27	U	5.00	5.40		ug/L		108	64 - 135	3	27
1,1-Dichloroethane	0.22	U	5.00	5.29		ug/L		106	65 - 135	2	21
1,1-Dichloroethene	0.23	U	5.00	5.00		ug/L		100	65 - 136	3	20
1,1-Dichloropropene	0.19	U	5.00	5.33		ug/L		107	65 - 135	1	21
1,2,3-Trichloropropane	0.33	U	5.00	5.32		ug/L		106	65 - 135	6	23
1,2-Dichlorobenzene	0.15	U	5.00	5.21		ug/L		104	65 - 135	3	20
1,2-Dichloroethane	0.13	U	5.00	5.23		ug/L		105	65 - 135	3	20
1,2-Dichloropropane	0.18	U	5.00	5.26		ug/L		105	64 - 135	3	20
1,3-Dichlorobenzene	0.13	U	5.00	5.29		ug/L		106	65 - 135	4	20

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

Lab Sample ID: 280-101611-H-1 MSD
Matrix: Water
Analysis Batch: 390377

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	0.22	U	5.00	5.28		ug/L		106	64 - 135	4	20
1,4-Dichlorobenzene	0.16	U	5.00	5.39		ug/L		108	65 - 135	3	23
2,2-Dichloropropane	0.18	U	5.00	5.17		ug/L		103	65 - 135	2	20
2-Butanone (MEK)	2.0	U	20.0	17.5		ug/L		87	44 - 177	3	32
2-Hexanone	1.7	U	20.0	17.1		ug/L		85	57 - 139	7	25
4-Methyl-2-pentanone (MIBK)	0.98	U	20.0	18.1		ug/L		91	60 - 150	7	22
Acetone	1.9	U	20.0	24.0		ug/L		120	39 - 156	5	23
Acrolein	2.8	U J3	50.0	93.9	J3	ug/L		188	36 - 147	2	30
Acrylonitrile	1.4	U	50.0	53.2		ug/L		106	56 - 135	5	30
Allyl chloride	0.17	U	5.00	4.95		ug/L		99	50 - 135	3	30
Benzene	0.16	U	5.00	5.25		ug/L		105	65 - 135	2	20
Bromochloromethane	0.10	U	5.00	5.22		ug/L		104	65 - 135	4	29
Bromodichloromethane	0.17	U	5.00	5.36		ug/L		107	65 - 135	4	20
Bromoform	0.19	U	5.00	4.35		ug/L		87	62 - 135	5	27
Bromomethane	0.21	U	5.00	4.06		ug/L		81	45 - 135	3	33
Carbon disulfide	0.45	U	5.00	5.55		ug/L		111	55 - 143	1	20
Carbon tetrachloride	0.19	U	5.00	5.15		ug/L		103	65 - 135	2	21
Chlorobenzene	0.17	U	5.00	5.22		ug/L		104	65 - 135	2	20
Chloroethane	0.41	U	5.00	4.49		ug/L		90	46 - 136	5	25
Chloroform	0.16	U	5.00	5.28		ug/L		106	65 - 135	2	20
Chloromethane	0.30	U	5.00	4.27		ug/L		85	34 - 145	7	24
cis-1,2-Dichloroethene	0.15	U	5.00	5.14		ug/L		103	65 - 135	3	20
cis-1,3-Dichloropropene	0.16	U	5.00	4.38		ug/L		88	65 - 135	5	26
Dibromochloromethane	0.17	U	5.00	4.62		ug/L		92	65 - 135	3	20
Dibromomethane	0.17	U	5.00	5.08		ug/L		102	65 - 135	1	26
Dichlorodifluoromethane	0.31	U	5.00	4.25		ug/L		85	43 - 142	2	30
Ethyl methacrylate	0.86	U	5.00	3.67		ug/L		73	50 - 135	1	30
Ethylbenzene	0.16	U	5.00	5.17		ug/L		103	65 - 135	1	20
Iodomethane	0.23	U	5.00	4.70		ug/L		94	65 - 142	4	25
Isobutyl alcohol	37	U	125	128		ug/L		102	55 - 135	3	30
Methylene Chloride	0.32	U	5.00	5.13		ug/L		103	54 - 141	3	26
Styrene	0.17	U	5.00	4.64		ug/L		93	65 - 135	2	26
Tetrachloroethene	0.20	U	5.00	5.05		ug/L		101	65 - 135	2	20
Toluene	0.17	U	5.00	5.27		ug/L		105	65 - 135	3	20
trans-1,2-Dichloroethene	0.15	U	5.00	5.36		ug/L		107	65 - 135	1	24
trans-1,3-Dichloropropene	0.19	U	5.00	4.63		ug/L		93	65 - 135	0	26
trans-1,4-Dichloro-2-butene	0.80	U	5.00	4.93		ug/L		99	53 - 135	4	25
Trichloroethene	0.16	U	5.00	4.78		ug/L		96	65 - 135	3	20
Trichlorofluoromethane	0.29	U	5.00	4.38		ug/L		88	53 - 137	2	27
Vinyl acetate	0.94	U	10.0	9.13		ug/L		91	11 - 187	4	24
Vinyl chloride	0.10	U	5.00	4.22		ug/L		84	40 - 137	3	24
Xylenes (total)	0.19	U	10.0	10.3		ug/L		103	65 - 135	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 127*
4-Bromofluorobenzene (Surr)	*106*		*78 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 125*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-389630/1-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.7	U	10	1.7	ug/L		10/01/17 13:23	10/09/17 16:06	1
1,2,4-Trichlorobenzene	0.28	U	4.0	0.28	ug/L		10/01/17 13:23	10/09/17 16:06	1
1,3,5-Trinitrobenzene	4.0	U	50	4.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
1,3-Dinitrobenzene	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
1,4-Naphthoquinone	14	U	50	14	ug/L		10/01/17 13:23	10/09/17 16:06	1
1-Naphthylamine	3.1	U	10	3.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,2'-oxybis(1-chloropropane)	0.28	U	10	0.28	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,3,4,6-Tetrachlorophenol	2.0	U	50	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,4,5-Trichlorophenol	0.45	U	10	0.45	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,4,6-Trichlorophenol	0.29	U	10	0.29	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,4-Dichlorophenol	0.64	U	10	0.64	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,4-Dimethylphenol	0.58	U	10	0.58	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,4-Dinitrophenol	10	U	30	10	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,4-Dinitrotoluene	1.7	U	10	1.7	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,6-Dichlorophenol	1.4	U	10	1.4	ug/L		10/01/17 13:23	10/09/17 16:06	1
2,6-Dinitrotoluene	1.9	U	10	1.9	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Acetylaminofluorene	7.0	U	100	7.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Chloronaphthalene	0.26	U	4.0	0.26	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Chlorophenol	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Methylnaphthalene	0.29	U	4.0	0.29	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Methylphenol	0.98	U	10	0.98	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Naphthylamine	3.1	U	10	3.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Nitroaniline	1.7	U	10	1.7	ug/L		10/01/17 13:23	10/09/17 16:06	1
2-Nitrophenol	0.39	U	10	0.39	ug/L		10/01/17 13:23	10/09/17 16:06	1
3,3'-Dichlorobenzidine	2.0	U	50	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
3,3'-Dimethylbenzidine	4.0	U	20	4.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
3-Methylcholanthrene	1.7	U	20	1.7	ug/L		10/01/17 13:23	10/09/17 16:06	1
3-Methylphenol & 4-Methylphenol	0.25	U	10	0.25	ug/L		10/01/17 13:23	10/09/17 16:06	1
3-Nitroaniline	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
4,6-Dinitro-2-methylphenol	4.0	U	50	4.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Aminobiphenyl	4.5	U	50	4.5	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Bromophenyl phenyl ether	0.43	U	10	0.43	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Chloro-3-methylphenol	2.4	U	10	2.4	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Chloroaniline	2.1	U	10	2.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Chlorophenyl phenyl ether	1.7	U	10	1.7	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Dimethylaminoazobenzene	2.0	U	20	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Nitroaniline	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Nitrophenol	1.2	U	10	1.2	ug/L		10/01/17 13:23	10/09/17 16:06	1
4-Phenylenediamine	5.0	U	100	5.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
5-Nitro-o-toluidine	1.4	U	20	1.4	ug/L		10/01/17 13:23	10/09/17 16:06	1
7,12-Dimethylbenz(a)anthracene	1.6	U	20	1.6	ug/L		10/01/17 13:23	10/09/17 16:06	1
Acenaphthene	0.28	U	4.0	0.28	ug/L		10/01/17 13:23	10/09/17 16:06	1
Acenaphthylene	0.49	U	4.0	0.49	ug/L		10/01/17 13:23	10/09/17 16:06	1
Acetophenone	0.24	U	10	0.24	ug/L		10/01/17 13:23	10/09/17 16:06	1
Anthracene	0.42	U	4.0	0.42	ug/L		10/01/17 13:23	10/09/17 16:06	1
Benzo(a)anthracene	0.35	U	4.0	0.35	ug/L		10/01/17 13:23	10/09/17 16:06	1
Benzo(a)pyrene	0.31	U	4.0	0.31	ug/L		10/01/17 13:23	10/09/17 16:06	1
Benzo(b)fluoranthene	0.53	U	4.0	0.53	ug/L		10/01/17 13:23	10/09/17 16:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-389630/1-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(ghi)perylene	0.50	U	4.0	0.50	ug/L		10/01/17 13:23	10/09/17 16:06	1
Benzo(k)fluoranthene	0.46	U	4.0	0.46	ug/L		10/01/17 13:23	10/09/17 16:06	1
Benzyl alcohol	0.23	U	10	0.23	ug/L		10/01/17 13:23	10/09/17 16:06	1
Bis(2-chloroethoxy)methane	0.97	U	10	0.97	ug/L		10/01/17 13:23	10/09/17 16:06	1
bis(2-Chloroethyl) ether	0.41	U	10	0.41	ug/L		10/01/17 13:23	10/09/17 16:06	1
Bis(2-ethylhexyl) phthalate	0.56	U	10	0.56	ug/L		10/01/17 13:23	10/09/17 16:06	1
Butyl benzyl phthalate	1.0	U	4.0	1.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Chlorobenzilate	0.66	U	10	0.66	ug/L		10/01/17 13:23	10/09/17 16:06	1
Chrysene	0.54	U	4.0	0.54	ug/L		10/01/17 13:23	10/09/17 16:06	1
Diallate	0.56	U	5.6	0.56	ug/L		10/01/17 13:23	10/09/17 16:06	1
Dibenz(a,h)anthracene	0.51	U	4.0	0.51	ug/L		10/01/17 13:23	10/09/17 16:06	1
Dibenzofuran	0.29	U	4.0	0.29	ug/L		10/01/17 13:23	10/09/17 16:06	1
Diethyl phthalate	0.38	U	4.0	0.38	ug/L		10/01/17 13:23	10/09/17 16:06	1
Dimethoate	1.1	U	20	1.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
Dimethyl phthalate	0.21	U	4.0	0.21	ug/L		10/01/17 13:23	10/09/17 16:06	1
Di-n-butyl phthalate	1.2	U	4.0	1.2	ug/L		10/01/17 13:23	10/09/17 16:06	1
Di-n-octyl phthalate	0.35	U	4.0	0.35	ug/L		10/01/17 13:23	10/09/17 16:06	1
Dinoseb	4.0	U	20	4.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Diphenylamine	1.1	U	10	1.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
Disulfoton	1.1	U	50	1.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
Ethyl methanesulfonate	0.94	U	10	0.94	ug/L		10/01/17 13:23	10/09/17 16:06	1
Famphur	1.5	U	100	1.5	ug/L		10/01/17 13:23	10/09/17 16:06	1
Fluoranthene	0.20	U	4.0	0.20	ug/L		10/01/17 13:23	10/09/17 16:06	1
Fluorene	0.31	U	4.0	0.31	ug/L		10/01/17 13:23	10/09/17 16:06	1
Hexachlorobenzene	0.66	U	10	0.66	ug/L		10/01/17 13:23	10/09/17 16:06	1
Hexachlorobutadiene	3.3	U	10	3.3	ug/L		10/01/17 13:23	10/09/17 16:06	1
Hexachlorocyclopentadiene	10	U	50	10	ug/L		10/01/17 13:23	10/09/17 16:06	1
Hexachloroethane	2.1	U	10	2.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
Hexachloropropene	2.0	U	100	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Indeno(1,2,3-cd)pyrene	0.65	U	4.0	0.65	ug/L		10/01/17 13:23	10/09/17 16:06	1
Isodrin	1.8	U	10	1.8	ug/L		10/01/17 13:23	10/09/17 16:06	1
Isophorone	0.21	U	10	0.21	ug/L		10/01/17 13:23	10/09/17 16:06	1
Isosafrole	1.0	U	3.5	1.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Methapyrilene	20	U	50	20	ug/L		10/01/17 13:23	10/09/17 16:06	1
Methyl methanesulfonate	1.0	U	10	1.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Methyl parathion	3.2	U	50	3.2	ug/L		10/01/17 13:23	10/09/17 16:06	1
Naphthalene	0.29	U	4.0	0.29	ug/L		10/01/17 13:23	10/09/17 16:06	1
Nitrobenzene	0.81	U	10	0.81	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosodiethylamine	1.7	U	10	1.7	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosodimethylamine	0.29	U	10	0.29	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosodi-n-butylamine	1.2	U	10	1.2	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosodi-n-propylamine	0.35	U	10	0.35	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosodiphenylamine	0.44	U	10	0.44	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosomethylethylamine	1.8	U	10	1.8	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosopiperidine	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
N-Nitrosopyrrolidine	0.80	U	10	0.80	ug/L		10/01/17 13:23	10/09/17 16:06	1
O,O,O-Triethyl phosphorothioate	2.0	U	50	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
o-Toluidine	1.4	U	10	1.4	ug/L		10/01/17 13:23	10/09/17 16:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-389630/1-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 389630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	2.0	U	50	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Pentachlorobenzene	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Pentachloronitrobenzene	2.0	U	50	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Pentachlorophenol	20	U	50	20	ug/L		10/01/17 13:23	10/09/17 16:06	1
Phenacetin	1.1	U	20	1.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
Phenanthrene	0.26	U	4.0	0.26	ug/L		10/01/17 13:23	10/09/17 16:06	1
Phenol	2.0	U	10	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Phorate	2.0	U	50	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Pronamide	2.0	U	20	2.0	ug/L		10/01/17 13:23	10/09/17 16:06	1
Pyrene	0.37	U	10	0.37	ug/L		10/01/17 13:23	10/09/17 16:06	1
Safrole	1.1	U	20	1.1	ug/L		10/01/17 13:23	10/09/17 16:06	1
Thionazin	0.86	U	50	0.86	ug/L		10/01/17 13:23	10/09/17 16:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*48 - 135*	*10/01/17 13:23*	*10/09/17 16:06*	*1*
2-Fluorobiphenyl	*87*		*48 - 135*	*10/01/17 13:23*	*10/09/17 16:06*	*1*
2-Fluorophenol	*81*		*41 - 135*	*10/01/17 13:23*	*10/09/17 16:06*	*1*
Nitrobenzene-d5	*83*		*42 - 135*	*10/01/17 13:23*	*10/09/17 16:06*	*1*
Phenol-d5	*78*		*46 - 135*	*10/01/17 13:23*	*10/09/17 16:06*	*1*
Terphenyl-d14	*93*		*20 - 135*	*10/01/17 13:23*	*10/09/17 16:06*	*1*

Lab Sample ID: LCS 280-389630/2-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	80.0	74.4		ug/L		93	52 - 135
1,2,4-Trichlorobenzene	80.0	67.9		ug/L		85	44 - 135
1,3-Dinitrobenzene	80.0	76.8		ug/L		96	65 - 135
1,4-Dichlorobenzene	80.0	59.5		ug/L		74	40 - 135
2,2'-oxybis(1-chloropropane)	80.0	57.6		ug/L		72	55 - 135
2,3,4,6-Tetrachlorophenol	80.0	74.7		ug/L		93	64 - 135
2,4,5-Trichlorophenol	80.0	73.8		ug/L		92	64 - 135
2,4,6-Trichlorophenol	80.0	78.2		ug/L		98	62 - 135
2,4-Dichlorophenol	80.0	74.2		ug/L		93	62 - 135
2,4-Dimethylphenol	80.0	69.8		ug/L		87	44 - 135
2,4-Dinitrophenol	160	148		ug/L		93	50 - 135
2,4-Dinitrotoluene	80.0	76.2		ug/L		95	65 - 135
2,6-Dichlorophenol	80.0	74.6		ug/L		93	50 - 150
2,6-Dinitrotoluene	80.0	74.3		ug/L		93	65 - 135
2-Chloronaphthalene	80.0	73.4		ug/L		92	59 - 135
2-Chlorophenol	80.0	69.5		ug/L		87	58 - 135
2-Methylnaphthalene	80.0	71.8		ug/L		90	56 - 135
2-Methylphenol	80.0	69.4		ug/L		87	62 - 135
2-Nitroaniline	80.0	70.4		ug/L		88	65 - 135
2-Nitrophenol	80.0	71.2		ug/L		89	65 - 135
3,3'-Dichlorobenzidine	160	133		ug/L		83	18 - 135
3-Methylphenol & 4-Methylphenol	80.0	70.8		ug/L		88	65 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-389630/2-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	80.0	53.4		ug/L		67	38 - 135
4,6-Dinitro-2-methylphenol	160	154		ug/L		96	63 - 135
4-Bromophenyl phenyl ether	80.0	71.0		ug/L		89	65 - 135
4-Chloro-3-methylphenol	80.0	73.1		ug/L		91	65 - 135
4-Chloroaniline	80.0	51.6		ug/L		64	30 - 135
4-Chlorophenyl phenyl ether	80.0	73.0		ug/L		91	65 - 135
4-Nitroaniline	80.0	71.6		ug/L		89	65 - 135
4-Nitrophenol	160	143		ug/L		89	56 - 135
Acenaphthene	80.0	74.7		ug/L		93	61 - 135
Acenaphthylene	80.0	72.0		ug/L		90	63 - 135
Acetophenone	80.0	73.1		ug/L		91	65 - 135
Anthracene	80.0	74.4		ug/L		93	65 - 135
Benzo(a)anthracene	80.0	74.6		ug/L		93	65 - 135
Benzo(a)pyrene	80.0	73.2		ug/L		92	65 - 135
Benzo(b)fluoranthene	80.0	74.9		ug/L		94	65 - 135
Benzo(ghi)perylene	80.0	69.9		ug/L		87	65 - 135
Benzo(k)fluoranthene	80.0	77.0		ug/L		96	65 - 135
Benzyl alcohol	80.0	67.3		ug/L		84	65 - 135
Bis(2-chloroethoxy)methane	80.0	66.7		ug/L		83	65 - 135
bis(2-Chloroethyl) ether	80.0	65.7		ug/L		82	65 - 135
Bis(2-ethylhexyl) phthalate	80.0	68.0		ug/L		85	65 - 135
Butyl benzyl phthalate	80.0	73.7		ug/L		92	65 - 135
Chrysene	80.0	73.7		ug/L		92	65 - 135
Dibenz(a,h)anthracene	80.0	68.6		ug/L		86	63 - 135
Dibenzofuran	80.0	74.0		ug/L		92	64 - 135
Diethyl phthalate	80.0	75.6		ug/L		95	65 - 135
Dimethyl phthalate	80.0	74.5		ug/L		93	65 - 135
Di-n-butyl phthalate	80.0	72.7		ug/L		91	65 - 135
Di-n-octyl phthalate	80.0	68.0		ug/L		85	65 - 135
Diphenylamine	68.0	62.9		ug/L		93	50 - 150
Fluoranthene	80.0	74.2		ug/L		93	65 - 135
Fluorene	80.0	77.6		ug/L		97	65 - 135
Hexachlorobenzene	80.0	72.1		ug/L		90	65 - 135
Hexachlorobutadiene	80.0	65.7		ug/L		82	35 - 135
Hexachlorocyclopentadiene	158	108		ug/L		69	10 - 135
Hexachloroethane	80.0	56.8		ug/L		71	32 - 135
Indeno(1,2,3-cd)pyrene	80.0	69.2		ug/L		87	65 - 135
Isophorone	80.0	63.3		ug/L		79	65 - 135
Naphthalene	80.0	69.5		ug/L		87	56 - 135
Nitrobenzene	80.0	68.4		ug/L		85	65 - 135
N-Nitrosodimethylamine	80.0	55.8		ug/L		70	62 - 150
N-Nitrosodi-n-propylamine	80.0	67.7		ug/L		85	65 - 135
N-Nitrosodiphenylamine	80.0	73.6		ug/L		92	65 - 135
Pentachlorophenol	160	138		ug/L		86	52 - 135
Phenanthrene	80.0	75.4		ug/L		94	65 - 135
Phenol	80.0	59.4		ug/L		74	61 - 135
Pyrene	80.0	76.8		ug/L		96	65 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-389630/2-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389630

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*85*		*48 - 135*
2-Fluorobiphenyl	*87*		*48 - 135*
2-Fluorophenol	*76*		*41 - 135*
Nitrobenzene-d5	*82*		*42 - 135*
Phenol-d5	*71*		*46 - 135*
Terphenyl-d14	*90*		*20 - 135*

Lab Sample ID: LCS 280-389630/4-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	80.0	71.9		ug/L		90	50 - 150
1,4-Naphthoquinone	80.0	76.3		ug/L		95	50 - 150
1-Naphthylamine	80.0	61.9		ug/L		77	50 - 150
2-Acetylaminofluorene	80.0	77.5	I	ug/L		97	50 - 150
2-Naphthylamine	80.0	55.1		ug/L		69	50 - 150
3,3'-Dimethylbenzidine	80.0	42.1		ug/L		53	50 - 150
3-Methylcholanthrene	80.0	69.9		ug/L		87	50 - 150
4-Aminobiphenyl	80.0	53.6		ug/L		67	50 - 150
4-Dimethylaminoazobenzene	80.0	72.9		ug/L		91	50 - 150
4-Phenylenediamine	80.0	33.0	I J3	ug/L		41	50 - 150
5-Nitro-o-toluidine	80.0	56.9		ug/L		71	50 - 150
7,12-Dimethylbenz(a)anthracene	80.0	63.3		ug/L		79	50 - 150
Chlorobenzilate	80.0	72.7		ug/L		91	50 - 150
Diallate	80.0	67.8		ug/L		85	50 - 150
Dimethoate	80.0	70.1		ug/L		88	50 - 150
Dinoseb	80.0	76.7		ug/L		96	50 - 150
Disulfoton	80.0	66.7		ug/L		83	50 - 150
Ethyl methanesulfonate	80.0	57.2		ug/L		72	50 - 150
Hexachloropropene	80.0	56.5	I	ug/L		71	50 - 150
Isodrin	80.0	71.4		ug/L		89	50 - 150
Isosafrole	80.0	61.3		ug/L		77	50 - 150
Methapyrilene	80.0	46.0	I	ug/L		58	50 - 150
Methyl methanesulfonate	80.0	56.3		ug/L		70	50 - 150
Methyl parathion	80.0	78.5		ug/L		98	50 - 150
N-Nitrosodiethylamine	80.0	59.8		ug/L		75	50 - 150
N-Nitrosodi-n-butylamine	80.0	64.8		ug/L		81	50 - 150
N-Nitrosomethylethylamine	80.0	54.8		ug/L		69	50 - 150
N-Nitrosopiperidine	80.0	65.2		ug/L		81	50 - 150
N-Nitrosopyrrolidine	80.0	62.8		ug/L		78	50 - 150
O,O,O-Triethyl phosphorothioate	80.0	66.4		ug/L		83	50 - 150
o-Toluidine	80.0	52.6		ug/L		66	50 - 150
Parathion	80.0	72.0		ug/L		90	50 - 150
Pentachlorobenzene	80.0	71.9		ug/L		90	50 - 150
Pentachloronitrobenzene	80.0	76.2		ug/L		95	50 - 150
Phenacetin	80.0	75.3		ug/L		94	50 - 150
Phorate	80.0	73.9		ug/L		92	50 - 150

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-389630/4-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pronamide	80.0	74.5		ug/L		93	50 - 150
Safrole	80.0	69.0		ug/L		86	50 - 150
Thionazin	80.0	67.9		ug/L		85	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*85*		*48 - 135*
2-Fluorobiphenyl	*82*		*48 - 135*
2-Fluorophenol	*76*		*41 - 135*
Nitrobenzene-d5	*73*		*42 - 135*
Phenol-d5	*78*		*46 - 135*
Terphenyl-d14	*91*		*20 - 135*

Lab Sample ID: LCSD 280-389630/3-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	80.0	71.4		ug/L		89	52 - 135	4	30
1,2,4-Trichlorobenzene	80.0	65.8		ug/L		82	44 - 135	3	42
1,3-Dinitrobenzene	80.0	72.6		ug/L		91	65 - 135	6	30
1,4-Dichlorobenzene	80.0	61.3		ug/L		77	40 - 135	3	50
2,2'-oxybis(1-chloropropane)	80.0	56.9		ug/L		71	55 - 135	1	37
2,3,4,6-Tetrachlorophenol	80.0	73.6		ug/L		92	64 - 135	1	30
2,4,5-Trichlorophenol	80.0	71.5		ug/L		89	64 - 135	3	30
2,4,6-Trichlorophenol	80.0	77.0		ug/L		96	62 - 135	2	30
2,4-Dichlorophenol	80.0	71.8		ug/L		90	62 - 135	3	30
2,4-Dimethylphenol	80.0	66.6		ug/L		83	44 - 135	5	30
2,4-Dinitrophenol	160	145		ug/L		90	50 - 135	2	30
2,4-Dinitrotoluene	80.0	72.7		ug/L		91	65 - 135	5	32
2,6-Dichlorophenol	80.0	72.5		ug/L		91	50 - 150	3	50
2,6-Dinitrotoluene	80.0	72.5		ug/L		91	65 - 135	3	30
2-Chloronaphthalene	80.0	70.0		ug/L		88	59 - 135	5	30
2-Chlorophenol	80.0	67.6		ug/L		85	58 - 135	3	46
2-Methylnaphthalene	80.0	69.8		ug/L		87	56 - 135	3	32
2-Methylphenol	80.0	68.1		ug/L		85	62 - 135	2	40
2-Nitroaniline	80.0	67.2		ug/L		84	65 - 135	5	30
2-Nitrophenol	80.0	70.4		ug/L		88	65 - 135	1	38
3,3'-Dichlorobenzidine	160	141		ug/L		88	18 - 135	5	50
3-Methylphenol & 4-Methylphenol	80.0	71.2		ug/L		89	65 - 135	1	36
3-Nitroaniline	80.0	57.3		ug/L		72	38 - 135	7	30
4,6-Dinitro-2-methylphenol	160	151		ug/L		94	63 - 135	2	30
4-Bromophenyl phenyl ether	80.0	68.9		ug/L		86	65 - 135	3	30
4-Chloro-3-methylphenol	80.0	72.2		ug/L		90	65 - 135	1	30
4-Chloroaniline	80.0	58.9		ug/L		74	30 - 135	13	38
4-Chlorophenyl phenyl ether	80.0	71.0		ug/L		89	65 - 135	3	30
4-Nitroaniline	80.0	72.2		ug/L		90	65 - 135	1	34
4-Nitrophenol	160	160		ug/L		100	56 - 135	11	50
Acenaphthene	80.0	72.6		ug/L		91	61 - 135	3	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-389630/3-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	80.0	69.4		ug/L		87	63 - 135	4	30
Acetophenone	80.0	70.5		ug/L		88	65 - 135	4	35
Anthracene	80.0	73.0		ug/L		91	65 - 135	2	30
Benzo(a)anthracene	80.0	72.6		ug/L		91	65 - 135	3	30
Benzo(a)pyrene	80.0	71.8		ug/L		90	65 - 135	2	30
Benzo(b)fluoranthene	80.0	73.2		ug/L		92	65 - 135	2	30
Benzo(ghi)perylene	80.0	67.7		ug/L		85	65 - 135	3	30
Benzo(k)fluoranthene	80.0	76.1		ug/L		95	65 - 135	1	30
Benzyl alcohol	80.0	66.1		ug/L		83	65 - 135	2	37
Bis(2-chloroethoxy)methane	80.0	65.1		ug/L		81	65 - 135	2	30
bis(2-Chloroethyl) ether	80.0	64.1		ug/L		80	65 - 135	2	41
Bis(2-ethylhexyl) phthalate	80.0	67.1		ug/L		84	65 - 135	1	30
Butyl benzyl phthalate	80.0	72.1		ug/L		90	65 - 135	2	30
Chrysene	80.0	72.7		ug/L		91	65 - 135	1	30
Dibenz(a,h)anthracene	80.0	63.6		ug/L		80	63 - 135	7	30
Dibenzofuran	80.0	71.4		ug/L		89	64 - 135	3	30
Diethyl phthalate	80.0	73.9		ug/L		92	65 - 135	2	30
Dimethyl phthalate	80.0	72.5		ug/L		91	65 - 135	3	30
Di-n-butyl phthalate	80.0	70.7		ug/L		88	65 - 135	3	30
Di-n-octyl phthalate	80.0	66.6		ug/L		83	65 - 135	2	30
Diphenylamine	68.0	60.3		ug/L		89	50 - 150	4	50
Fluoranthene	80.0	72.5		ug/L		91	65 - 135	2	30
Fluorene	80.0	73.7		ug/L		92	65 - 135	5	30
Hexachlorobenzene	80.0	70.3		ug/L		88	65 - 135	3	30
Hexachlorobutadiene	80.0	64.3		ug/L		80	35 - 135	2	47
Hexachlorocyclopentadiene	158	106		ug/L		67	10 - 135	2	66
Hexachloroethane	80.0	60.3		ug/L		75	32 - 135	6	53
Indeno(1,2,3-cd)pyrene	80.0	68.2		ug/L		85	65 - 135	2	30
Isophorone	80.0	61.3		ug/L		77	65 - 135	3	30
Naphthalene	80.0	67.1		ug/L		84	56 - 135	3	40
Nitrobenzene	80.0	65.3		ug/L		82	65 - 135	5	39
N-Nitrosodimethylamine	80.0	55.6		ug/L		70	62 - 150	0	36
N-Nitrosodi-n-propylamine	80.0	66.7		ug/L		83	65 - 135	2	30
N-Nitrosodiphenylamine	80.0	70.7		ug/L		88	65 - 135	4	30
Pentachlorophenol	160	135		ug/L		84	52 - 135	2	30
Phenanthrene	80.0	72.6		ug/L		91	65 - 135	4	30
Phenol	80.0	65.2		ug/L		81	61 - 135	9	37
Pyrene	80.0	74.5		ug/L		93	65 - 135	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*85*		*48 - 135*
2-Fluorobiphenyl	*85*		*48 - 135*
2-Fluorophenol	*78*		*41 - 135*
Nitrobenzene-d5	*78*		*42 - 135*
Phenol-d5	*79*		*46 - 135*
Terphenyl-d14	*88*		*20 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-389630/5-A
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	80.0	69.1		ug/L		86	50 - 150	4	50
1,4-Naphthoquinone	80.0	75.3		ug/L		94	50 - 150	1	50
1-Naphthylamine	80.0	55.2		ug/L		69	50 - 150	11	50
2-Acetylaminofluorene	80.0	74.0	I	ug/L		92	50 - 150	5	50
2-Naphthylamine	80.0	50.9		ug/L		64	50 - 150	8	50
3,3'-Dimethylbenzidine	80.0	38.3	J3	ug/L		48	50 - 150	9	50
3-Methylcholanthrene	80.0	64.1		ug/L		80	50 - 150	9	50
4-Aminobiphenyl	80.0	50.2		ug/L		63	50 - 150	7	50
4-Dimethylaminoazobenzene	80.0	71.8		ug/L		90	50 - 150	2	50
4-Phenylenediamine	80.0	25.9	I J3	ug/L		32	50 - 150	24	50
5-Nitro-o-toluidine	80.0	55.0		ug/L		69	50 - 150	3	50
7,12-Dimethylbenz(a)anthracene	80.0	60.0		ug/L		75	50 - 150	5	50
Chlorobenzilate	80.0	71.6		ug/L		90	50 - 150	2	50
Diallate	80.0	65.4		ug/L		82	50 - 150	4	50
Dimethoate	80.0	66.9		ug/L		84	50 - 150	5	50
Dinoseb	80.0	72.1		ug/L		90	50 - 150	6	50
Disulfoton	80.0	64.1		ug/L		80	50 - 150	4	50
Ethyl methanesulfonate	80.0	57.3		ug/L		72	50 - 150	0	50
Hexachloropropene	80.0	68.1	I	ug/L		85	50 - 150	19	50
Isodrin	80.0	68.3		ug/L		85	50 - 150	5	50
Isosafrole	80.0	62.1		ug/L		78	50 - 150	1	50
Methapyrilene	80.0	38.0	I J3	ug/L		47	50 - 150	19	50
Methyl methanesulfonate	80.0	54.6		ug/L		68	50 - 150	3	50
Methyl parathion	80.0	75.4		ug/L		94	50 - 150	4	50
N-Nitrosodiethylamine	80.0	61.3		ug/L		77	50 - 150	3	50
N-Nitrosodi-n-butylamine	80.0	66.2		ug/L		83	50 - 150	2	50
N-Nitrosomethylethylamine	80.0	56.8		ug/L		71	50 - 150	4	50
N-Nitrosopiperidine	80.0	68.5		ug/L		86	50 - 150	5	50
N-Nitrosopyrrolidine	80.0	60.5		ug/L		76	50 - 150	4	50
O,O,O-Triethyl phosphorothioate	80.0	71.4		ug/L		89	50 - 150	7	50
o-Toluidine	80.0	51.0		ug/L		64	50 - 150	3	50
Parathion	80.0	68.4		ug/L		85	50 - 150	5	50
Pentachlorobenzene	80.0	68.6		ug/L		86	50 - 150	5	50
Pentachloronitrobenzene	80.0	72.6		ug/L		91	50 - 150	5	50
Phenacetin	80.0	71.2		ug/L		89	50 - 150	6	50
Phorate	80.0	71.8		ug/L		90	50 - 150	3	50
Pronamide	80.0	71.3		ug/L		89	50 - 150	4	50
Safrole	80.0	72.0		ug/L		90	50 - 150	4	50
Thionazin	80.0	66.0		ug/L		82	50 - 150	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*79*		*48 - 135*
2-Fluorobiphenyl	*80*		*48 - 135*
2-Fluorophenol	*75*		*41 - 135*
Nitrobenzene-d5	*78*		*42 - 135*
Phenol-d5	*72*		*46 - 135*
Terphenyl-d14	*88*		*20 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-101586-C-1-A MS
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	1.7	U	76.6	62.9		ug/L		82	52 - 135
1,2,4-Trichlorobenzene	0.27	U	76.6	55.0		ug/L		72	44 - 135
1,3-Dinitrobenzene	1.9	U	76.6	68.3		ug/L		89	65 - 135
1,4-Dichlorobenzene	0.31	U	76.6	47.8		ug/L		62	40 - 135
2,2'-oxybis(1-chloropropane)	0.27	U	76.6	47.1		ug/L		61	55 - 135
2,3,4,6-Tetrachlorophenol	1.9	U	76.6	67.9		ug/L		89	64 - 135
2,4,5-Trichlorophenol	0.43	U	76.6	65.7		ug/L		86	64 - 135
2,4,6-Trichlorophenol	0.28	U	76.6	69.8		ug/L		91	62 - 135
2,4-Dichlorophenol	0.61	U	76.6	62.6		ug/L		82	62 - 135
2,4-Dimethylphenol	0.55	U	76.6	58.0		ug/L		76	44 - 135
2,4-Dinitrophenol	9.6	U	153	133		ug/L		87	50 - 135
2,4-Dinitrotoluene	1.6	U	76.6	66.4		ug/L		87	65 - 135
2,6-Dichlorophenol	1.3	U	76.6	63.1		ug/L		82	50 - 150
2,6-Dinitrotoluene	1.8	U	76.6	65.1		ug/L		85	65 - 135
2-Chloronaphthalene	0.25	U	76.6	62.5		ug/L		82	59 - 135
2-Chlorophenol	1.9	U	76.6	55.9		ug/L		73	58 - 135
2-Methylnaphthalene	0.28	U	76.6	60.5		ug/L		79	56 - 135
2-Methylphenol	0.94	U	76.6	58.3		ug/L		76	62 - 135
2-Nitroaniline	1.7	U	76.6	62.5		ug/L		82	65 - 135
2-Nitrophenol	0.37	U	76.6	59.5		ug/L		78	65 - 135
3,3'-Dichlorobenzidine	1.9	U	153	80.5		ug/L		53	18 - 135
3-Methylphenol & 4-Methylphenol	0.24	U	76.6	61.5		ug/L		80	65 - 135
3-Nitroaniline	1.9	U	76.6	36.7		ug/L		48	38 - 135
4,6-Dinitro-2-methylphenol	3.8	U	153	139		ug/L		91	63 - 135
4-Bromophenyl phenyl ether	0.41	U	76.6	64.9		ug/L		85	65 - 135
4-Chloro-3-methylphenol	2.3	U	76.6	68.5		ug/L		89	65 - 135
4-Chloroaniline	2.0	U	76.6	43.1		ug/L		56	30 - 135
4-Chlorophenyl phenyl ether	1.6	U	76.6	64.4		ug/L		84	65 - 135
4-Nitroaniline	1.9	U	76.6	60.6		ug/L		79	65 - 135
4-Nitrophenol	1.2	U	153	145		ug/L		95	56 - 135
Acenaphthene	0.27	U	76.6	65.2		ug/L		85	61 - 135
Acenaphthylene	0.47	U	76.6	62.4		ug/L		81	63 - 135
Acetophenone	0.23	U	76.6	60.0		ug/L		78	65 - 135
Anthracene	0.40	U	76.6	67.3		ug/L		88	65 - 135
Benzo(a)anthracene	0.33	U	76.6	65.3		ug/L		85	65 - 135
Benzo(a)pyrene	0.30	U	76.6	64.0		ug/L		84	65 - 135
Benzo(b)fluoranthene	0.51	U	76.6	66.7		ug/L		87	65 - 135
Benzo(ghi)perylene	0.48	U	76.6	62.5		ug/L		82	65 - 135
Benzo(k)fluoranthene	0.44	U	76.6	68.0		ug/L		89	65 - 135
Benzyl alcohol	0.22	U	76.6	56.7		ug/L		74	65 - 135
Bis(2-chloroethoxy)methane	0.93	U	76.6	55.7		ug/L		73	65 - 135
bis(2-Chloroethyl) ether	0.39	U	76.6	53.8		ug/L		70	65 - 135
Bis(2-ethylhexyl) phthalate	0.53	U	76.6	60.8		ug/L		79	65 - 135
Butyl benzyl phthalate	0.96	U	76.6	67.0		ug/L		87	65 - 135
Chrysene	0.52	U	76.6	64.9		ug/L		85	65 - 135
Dibenz(a,h)anthracene	0.49	U	76.6	62.7		ug/L		82	63 - 135
Dibenzofuran	0.28	U	76.6	65.3		ug/L		85	64 - 135
Diethyl phthalate	0.36	U	76.6	67.9		ug/L		89	65 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-101586-C-1-A MS
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	0.20	U	76.6	66.7		ug/L		87	65 - 135
Di-n-butyl phthalate	1.1	U	76.6	66.3		ug/L		87	65 - 135
Di-n-octyl phthalate	0.33	U	76.6	61.6		ug/L		80	65 - 135
Diphenylamine	1.0	U	65.1	54.0		ug/L		83	50 - 150
Fluoranthene	0.19	U	76.6	66.6		ug/L		87	65 - 135
Fluorene	0.30	U	76.6	67.8		ug/L		88	65 - 135
Hexachlorobenzene	0.63	U	76.6	64.9		ug/L		85	65 - 135
Hexachlorobutadiene	3.2	U	76.6	53.6		ug/L		70	35 - 135
Hexachlorocyclopentadiene	9.6	U	151	71.9		ug/L		48	10 - 135
Hexachloroethane	2.0	U	76.6	46.8		ug/L		61	32 - 135
Indeno(1,2,3-cd)pyrene	0.62	U	76.6	61.4		ug/L		80	65 - 135
Isophorone	0.20	U	76.6	53.3		ug/L		70	65 - 135
Naphthalene	0.28	U	76.6	56.6		ug/L		74	56 - 135
Nitrobenzene	0.77	U	76.6	56.4		ug/L		74	65 - 135
N-Nitrosodimethylamine	0.28	U	76.6	44.0	J3	ug/L		57	62 - 150
N-Nitrosodi-n-propylamine	0.33	U	76.6	56.7		ug/L		74	65 - 135
N-Nitrosodiphenylamine	0.42	U	76.6	64.8		ug/L		85	65 - 135
Pentachlorophenol	19	U	153	133		ug/L		87	52 - 135
Phenanthrene	0.25	U	76.6	68.6		ug/L		89	65 - 135
Phenol	1.9	U	76.6	54.9		ug/L		72	61 - 135
Pyrene	0.35	U	76.6	68.5		ug/L		89	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*81*		*48 - 135*
2-Fluorobiphenyl	*77*		*48 - 135*
2-Fluorophenol	*66*		*41 - 135*
Nitrobenzene-d5	*69*		*42 - 135*
Phenol-d5	*69*		*46 - 135*
Terphenyl-d14	*51*		*20 - 135*

Lab Sample ID: 280-101586-I-1-A MSD
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	1.7	U	76.7	60.3		ug/L		79	52 - 135	4	30
1,2,4-Trichlorobenzene	0.27	U	76.7	54.0		ug/L		70	44 - 135	2	42
1,3-Dinitrobenzene	1.9	U	76.7	67.9		ug/L		89	65 - 135	1	30
1,4-Dichlorobenzene	0.31	U	76.7	46.9		ug/L		61	40 - 135	2	50
2,2'-oxybis(1-chloropropane)	0.27	U	76.7	45.8		ug/L		60	55 - 135	3	37
2,3,4,6-Tetrachlorophenol	1.9	U	76.7	64.9		ug/L		85	64 - 135	5	30
2,4,5-Trichlorophenol	0.43	U	76.7	63.1		ug/L		82	64 - 135	4	30
2,4,6-Trichlorophenol	0.28	U	76.7	65.4		ug/L		85	62 - 135	6	30
2,4-Dichlorophenol	0.61	U	76.7	61.2		ug/L		80	62 - 135	2	30
2,4-Dimethylphenol	0.55	U	76.7	55.2		ug/L		72	44 - 135	5	30
2,4-Dinitrophenol	9.6	U	153	132		ug/L		86	50 - 135	1	30
2,4-Dinitrotoluene	1.6	U	76.7	66.8		ug/L		87	65 - 135	1	32
2,6-Dichlorophenol	1.3	U	76.7	61.2		ug/L		80	50 - 150	3	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-101586-I-1-A MSD
Matrix: Water
Analysis Batch: 390561

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 389630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,6-Dinitrotoluene	1.8	U	76.7	65.6		ug/L		86	65 - 135	1	30
2-Chloronaphthalene	0.25	U	76.7	60.4		ug/L		79	59 - 135	3	30
2-Chlorophenol	1.9	U	76.7	53.5		ug/L		70	58 - 135	4	46
2-Methylnaphthalene	0.28	U	76.7	59.3		ug/L		77	56 - 135	2	32
2-Methylphenol	0.94	U	76.7	56.9		ug/L		74	62 - 135	2	40
2-Nitroaniline	1.7	U	76.7	61.2		ug/L		80	65 - 135	2	30
2-Nitrophenol	0.37	U	76.7	57.5		ug/L		75	65 - 135	3	38
3,3'-Dichlorobenzidine	1.9	U	153	84.5		ug/L		55	18 - 135	5	50
3-Methylphenol & 4-Methylphenol	0.24	U	76.7	60.3		ug/L		79	65 - 135	2	36
3-Nitroaniline	1.9	U	76.7	41.8		ug/L		54	38 - 135	13	30
4,6-Dinitro-2-methylphenol	3.8	U	153	136		ug/L		89	63 - 135	2	30
4-Bromophenyl phenyl ether	0.41	U	76.7	65.7		ug/L		86	65 - 135	1	30
4-Chloro-3-methylphenol	2.3	U	76.7	66.1		ug/L		86	65 - 135	4	30
4-Chloroaniline	2.0	U	76.7	45.2		ug/L		59	30 - 135	5	38
4-Chlorophenyl phenyl ether	1.6	U	76.7	64.0		ug/L		83	65 - 135	1	30
4-Nitroaniline	1.9	U	76.7	62.7		ug/L		82	65 - 135	3	34
4-Nitrophenol	1.2	U	153	139		ug/L		91	56 - 135	4	50
Acenaphthene	0.27	U	76.7	62.7		ug/L		82	61 - 135	4	30
Acenaphthylene	0.47	U	76.7	61.1		ug/L		80	63 - 135	2	30
Acetophenone	0.23	U	76.7	60.2		ug/L		78	65 - 135	0	35
Anthracene	0.40	U	76.7	68.0		ug/L		89	65 - 135	1	30
Benzo(a)anthracene	0.33	U	76.7	65.5		ug/L		85	65 - 135	0	30
Benzo(a)pyrene	0.30	U	76.7	63.5		ug/L		83	65 - 135	1	30
Benzo(b)fluoranthene	0.51	U	76.7	67.1		ug/L		87	65 - 135	1	30
Benzo(ghi)perylene	0.48	U	76.7	60.5		ug/L		79	65 - 135	3	30
Benzo(k)fluoranthene	0.44	U	76.7	68.2		ug/L		89	65 - 135	0	30
Benzyl alcohol	0.22	U	76.7	56.6		ug/L		74	65 - 135	0	37
Bis(2-chloroethoxy)methane	0.93	U	76.7	55.9		ug/L		73	65 - 135	0	30
bis(2-Chloroethyl) ether	0.39	U	76.7	53.4		ug/L		70	65 - 135	1	41
Bis(2-ethylhexyl) phthalate	0.53	U	76.7	61.9		ug/L		81	65 - 135	2	30
Butyl benzyl phthalate	0.96	U	76.7	66.8		ug/L		87	65 - 135	0	30
Chrysene	0.52	U	76.7	65.4		ug/L		85	65 - 135	1	30
Dibenz(a,h)anthracene	0.49	U	76.7	61.0		ug/L		80	63 - 135	3	30
Dibenzofuran	0.28	U	76.7	64.3		ug/L		84	64 - 135	1	30
Diethyl phthalate	0.36	U	76.7	64.9		ug/L		85	65 - 135	5	30
Dimethyl phthalate	0.20	U	76.7	63.6		ug/L		83	65 - 135	5	30
Di-n-butyl phthalate	1.1	U	76.7	65.6		ug/L		86	65 - 135	1	30
Di-n-octyl phthalate	0.33	U	76.7	61.3		ug/L		80	65 - 135	0	30
Diphenylamine	1.0	U	65.2	52.4		ug/L		80	50 - 150	3	50
Fluoranthene	0.19	U	76.7	66.9		ug/L		87	65 - 135	1	30
Fluorene	0.30	U	76.7	66.9		ug/L		87	65 - 135	1	30
Hexachlorobenzene	0.63	U	76.7	65.3		ug/L		85	65 - 135	1	30
Hexachlorobutadiene	3.2	U	76.7	50.9		ug/L		66	35 - 135	5	47
Hexachlorocyclopentadiene	9.6	U	151	67.6		ug/L		45	10 - 135	6	66
Hexachloroethane	2.0	U	76.7	43.5		ug/L		57	32 - 135	7	53
Indeno(1,2,3-cd)pyrene	0.62	U	76.7	60.5		ug/L		79	65 - 135	2	30
Isophorone	0.20	U	76.7	53.3		ug/L		70	65 - 135	0	30
Naphthalene	0.28	U	76.7	55.7		ug/L		73	56 - 135	2	40

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-101586-I-1-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390561 — **Prep Batch: 389630**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene	0.77	U	76.7	55.2		ug/L		72	65 - 135	2	39
N-Nitrosodimethylamine	0.28	U	76.7	42.1	J3	ug/L		55	62 - 150	4	36
N-Nitrosodi-n-propylamine	0.33	U	76.7	56.5		ug/L		74	65 - 135	0	30
N-Nitrosodiphenylamine	0.42	U	76.7	63.5		ug/L		83	65 - 135	2	30
Pentachlorophenol	19	U	153	127		ug/L		83	52 - 135	4	30
Phenanthrene	0.25	U	76.7	67.4		ug/L		88	65 - 135	2	30
Phenol	1.9	U	76.7	50.8		ug/L		66	61 - 135	8	37
Pyrene	0.35	U	76.7	69.2		ug/L		90	65 - 135	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*78*		*48 - 135*
2-Fluorobiphenyl	*76*		*48 - 135*
2-Fluorophenol	*63*		*41 - 135*
Nitrobenzene-d5	*69*		*42 - 135*
Phenol-d5	*65*		*46 - 135*
Terphenyl-d14	*42*		*20 - 135*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 280-390158/2-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390526 — **Prep Batch: 390158**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.0037	U	0.020	0.0037	ug/L		10/05/17 12:40	10/09/17 13:27	1
1,2-Dibromo-3-Chloropropane	0.0068	U	0.020	0.0068	ug/L		10/05/17 12:40	10/09/17 13:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*128*		*70 - 130*	*10/05/17 12:40*	*10/09/17 13:27*	*1*

Lab Sample ID: LCS 280-390158/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390526 — **Prep Batch: 390158**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.250	0.246		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	0.250	0.230		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*117*		*70 - 130*

Lab Sample ID: 320-31906-J-2-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390526 — **Prep Batch: 390158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.0037	U	0.246	0.258		ug/L		105	70 - 130

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: 320-31906-J-2-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390526 — **Prep Batch: 390158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.0068	U	0.246	0.306		ug/L		124	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dibromopropane	*192*	*J1*	*70 - 130*

Lab Sample ID: 320-31906-L-2-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390526 — **Prep Batch: 390158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.0037	U	0.247	0.287	J3	ug/L		116	70 - 130	11	10
1,2-Dibromo-3-Chloropropane	0.0068	U	0.247	0.313		ug/L		127	70 - 130	2	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dibromopropane	*204*	*J1*	*70 - 130*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-389061/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390703 — **Prep Batch: 389061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.050	0.0077	ug/L		09/27/17 05:19	10/10/17 14:33	1
4,4'-DDE	0.0075	U	0.050	0.0075	ug/L		09/27/17 05:19	10/10/17 14:33	1
4,4'-DDT	0.015	U	0.050	0.015	ug/L		09/27/17 05:19	10/10/17 14:33	1
Aldrin	0.0059	U	0.050	0.0059	ug/L		09/27/17 05:19	10/10/17 14:33	1
alpha-BHC	0.0053	U	0.050	0.0053	ug/L		09/27/17 05:19	10/10/17 14:33	1
beta-BHC	0.0087	U	0.050	0.0087	ug/L		09/27/17 05:19	10/10/17 14:33	1
delta-BHC	0.0058	U	0.050	0.0058	ug/L		09/27/17 05:19	10/10/17 14:33	1
Dieldrin	0.0063	U	0.050	0.0063	ug/L		09/27/17 05:19	10/10/17 14:33	1
Endosulfan I	0.0058	U	0.050	0.0058	ug/L		09/27/17 05:19	10/10/17 14:33	1
Endosulfan II	0.0070	U	0.050	0.0070	ug/L		09/27/17 05:19	10/10/17 14:33	1
Endosulfan sulfate	0.0057	U	0.050	0.0057	ug/L		09/27/17 05:19	10/10/17 14:33	1
Endrin	0.0079	U	0.050	0.0079	ug/L		09/27/17 05:19	10/10/17 14:33	1
Endrin aldehyde	0.0088	U	0.050	0.0088	ug/L		09/27/17 05:19	10/10/17 14:33	1
gamma-BHC (Lindane)	0.0069	U	0.050	0.0069	ug/L		09/27/17 05:19	10/10/17 14:33	1
Heptachlor	0.0077	U	0.050	0.0077	ug/L		09/27/17 05:19	10/10/17 14:33	1
Heptachlor epoxide	0.0075	U	0.050	0.0075	ug/L		09/27/17 05:19	10/10/17 14:33	1
Kepone	0.35	U	1.0	0.35	ug/L		09/27/17 05:19	10/10/17 14:33	1
Methoxychlor	0.013	U	0.10	0.013	ug/L		09/27/17 05:19	10/10/17 14:33	1
Toxaphene	0.37	U	2.0	0.37	ug/L		09/27/17 05:19	10/10/17 14:33	1
Technical Chlordane	0.14	U	0.50	0.14	ug/L		09/27/17 05:19	10/10/17 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*34 - 122*	*09/27/17 05:19*	*10/10/17 14:33*	*1*
Tetrachloro-m-xylene	*54*		*28 - 115*	*09/27/17 05:19*	*10/10/17 14:33*	*1*

QC Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Lab Sample ID: LCS 280-389061/2-A
Matrix: Water
Analysis Batch: 390703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.500	0.339	J3	ug/L		68	78 - 138
4,4'-DDE	0.500	0.314	J3	ug/L		63	74 - 124
4,4'-DDT	0.500	0.345	J3	ug/L		69	72 - 139
Aldrin	0.500	0.238		ug/L		48	44 - 127
alpha-BHC	0.500	0.235	J3	ug/L		47	73 - 133
beta-BHC	0.500	0.289	J3	ug/L		58	67 - 133
delta-BHC	0.500	0.296	J3	ug/L		59	72 - 135
Dieldrin	0.500	0.330	J3	ug/L		66	78 - 132
Endosulfan I	0.500	0.292	J3	ug/L		58	73 - 128
Endosulfan II	0.500	0.316	J3	ug/L		63	75 - 132
Endosulfan sulfate	0.500	0.360	J3	ug/L		72	77 - 135
Endrin	0.500	0.332	J3	ug/L		66	74 - 171
Endrin aldehyde	0.500	0.321		ug/L		64	59 - 136
Endrin ketone	0.500	0.335	J3	ug/L		67	75 - 137
gamma-BHC (Lindane)	0.500	0.255	J3	ug/L		51	71 - 132
Heptachlor	0.500	0.264		ug/L		53	52 - 129
Methoxychlor	0.500	0.356		ug/L		71	67 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*34 - 122*
Tetrachloro-m-xylene	*29*		*28 - 115*

Lab Sample ID: LCS 280-389061/4-A
Matrix: Water
Analysis Batch: 390703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 389061

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*34 - 122*
Tetrachloro-m-xylene	*36*		*28 - 115*

Lab Sample ID: LCSD 280-389061/3-A
Matrix: Water
Analysis Batch: 390703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 389061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.500	0.396		ug/L		79	78 - 138	15	50
4,4'-DDE	0.500	0.377		ug/L		75	74 - 124	18	50
4,4'-DDT	0.500	0.400		ug/L		80	72 - 139	15	25
Aldrin	0.500	0.336	J3	ug/L		67	44 - 127	34	33
alpha-BHC	0.500	0.356	J3	ug/L		71	73 - 133	41	50
beta-BHC	0.500	0.380		ug/L		76	67 - 133	27	50
delta-BHC	0.500	0.374		ug/L		75	72 - 135	23	50
Dieldrin	0.500	0.397		ug/L		79	78 - 132	19	22
Endosulfan I	0.500	0.355	J3	ug/L		71	73 - 128	19	50
Endosulfan II	0.500	0.370	J3	ug/L		74	75 - 132	16	50
Endosulfan sulfate	0.500	0.413		ug/L		83	77 - 135	14	50
Endrin	0.500	0.397		ug/L		79	74 - 171	18	39
Endrin aldehyde	0.500	0.372		ug/L		74	59 - 136	15	50
Endrin ketone	0.500	0.384		ug/L		77	75 - 137	14	50
gamma-BHC (Lindane)	0.500	0.366	J3	ug/L		73	71 - 132	36	26

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 280-389061/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390703 — **Prep Batch: 389061**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor			0.500	0.384	J3	ug/L		77	52 - 129	37	27
Methoxychlor			0.500	0.390		ug/L		78	67 - 150	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*34 - 122*
Tetrachloro-m-xylene	*54*		*28 - 115*

Lab Sample ID: LCSD 280-389061/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390703 — **Prep Batch: 389061**

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*34 - 122*
Tetrachloro-m-xylene	*42*		*28 - 115*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 280-389061/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389827 — **Prep Batch: 389061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	1.0	0.12	ug/L		09/27/17 05:19	10/03/17 19:50	1
Aroclor 1221	0.21	U	1.0	0.21	ug/L		09/27/17 05:19	10/03/17 19:50	1
Aroclor 1232	0.17	U	1.0	0.17	ug/L		09/27/17 05:19	10/03/17 19:50	1
Aroclor 1242	0.10	U	1.0	0.10	ug/L		09/27/17 05:19	10/03/17 19:50	1
Aroclor 1248	0.092	U	1.0	0.092	ug/L		09/27/17 05:19	10/03/17 19:50	1
Aroclor 1254	0.11	U	1.0	0.11	ug/L		09/27/17 05:19	10/03/17 19:50	1
Aroclor 1260	0.16	U	1.0	0.16	ug/L		09/27/17 05:19	10/03/17 19:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*30 - 136*	*09/27/17 05:19*	*10/03/17 19:50*	*1*
Tetrachloro-m-xylene	*70*		*25 - 120*	*09/27/17 05:19*	*10/03/17 19:50*	*1*

Lab Sample ID: LCS 280-389061/6-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389827 — **Prep Batch: 389061**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			2.00	1.31		ug/L		65	58 - 128		
Aroclor 1260			2.00	1.65		ug/L		82	69 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*30 - 136*
Tetrachloro-m-xylene	*32*		*25 - 120*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 280-389061/7-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389827 — **Prep Batch: 389061**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			2.00	0.631	I J3	ug/L		32	58 - 128	70	30
Aroclor 1260			2.00	0.742	I J3	ug/L		37	69 - 140	76	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*44*		*30 - 136*
Tetrachloro-m-xylene	*26*		*25 - 120*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-389067/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389701 — **Prep Batch: 389067**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.21	U	4.0	0.21	ug/L		09/27/17 07:35	10/02/17 23:21	1
2,4,5-T	0.19	U	1.0	0.19	ug/L		09/27/17 07:35	10/02/17 23:21	1
2,4,5-TP (Silvex)	0.17	U	1.0	0.17	ug/L		09/27/17 07:35	10/02/17 23:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*39 - 135*	*09/27/17 07:35*	*10/02/17 23:21*	*1*

Lab Sample ID: LCS 280-389067/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389701 — **Prep Batch: 389067**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			5.00	3.78	I	ug/L		76	46 - 126		
2,4,5-T			5.00	3.75		ug/L		75	45 - 135		
2,4,5-TP (Silvex)			5.00	3.86		ug/L		77	48 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*72*		*39 - 135*

Lab Sample ID: LCSD 280-389067/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389701 — **Prep Batch: 389067**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			5.00	3.96	I	ug/L		79	46 - 126	5	30
2,4,5-T			5.00	3.93		ug/L		79	45 - 135	5	30
2,4,5-TP (Silvex)			5.00	4.04		ug/L		81	48 - 127	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*75*		*39 - 135*

QC Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-389046/1-A
Matrix: Water
Analysis Batch: 389556

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 389046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.830	I	10	0.82	ug/L		09/28/17 07:34	09/29/17 04:11	1
Cadmium	0.45	U	5.0	0.45	ug/L		09/28/17 07:34	09/29/17 04:11	1
Cobalt	1.2	U	10	1.2	ug/L		09/28/17 07:34	09/29/17 04:11	1
Chromium	0.66	U	10	0.66	ug/L		09/28/17 07:34	09/29/17 04:11	1
Copper	4.2	U	15	4.2	ug/L		09/28/17 07:34	09/29/17 04:11	1
Nickel	2.6	U	40	2.6	ug/L		09/28/17 07:34	09/29/17 04:11	1
Lead	2.7	U	9.0	2.7	ug/L		09/28/17 07:34	09/29/17 04:11	1
Selenium	6.3	U	20	6.3	ug/L		09/28/17 07:34	09/29/17 04:11	1
Iron	22	U	100	22	ug/L		09/28/17 07:34	09/29/17 04:11	1
Vanadium	1.1	U	10	1.1	ug/L		09/28/17 07:34	09/29/17 04:11	1
Zinc	4.5	U	20	4.5	ug/L		09/28/17 07:34	09/29/17 04:11	1
Silver	0.93	U	10	0.93	ug/L		09/28/17 07:34	09/29/17 04:11	1
Sodium	0.12	U	1.0	0.12	mg/L		09/28/17 07:34	09/29/17 04:11	1
Tin	5.8	U	100	5.8	ug/L		09/28/17 07:34	09/29/17 04:11	1

Lab Sample ID: LCS 280-389046/2-A
Matrix: Water
Analysis Batch: 389556

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 389046

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	2000	2110		ug/L		105	90 - 112
Cadmium	100	105		ug/L		105	88 - 111
Cobalt	500	502		ug/L		100	89 - 111
Chromium	200	213		ug/L		106	90 - 113
Copper	250	257		ug/L		103	86 - 112
Nickel	500	504		ug/L		101	89 - 111
Lead	500	531		ug/L		106	89 - 110
Selenium	2000	2030		ug/L		102	85 - 112
Iron	1000	1060		ug/L		106	89 - 115
Vanadium	500	527		ug/L		105	90 - 111
Zinc	500	511		ug/L		102	85 - 111
Silver	50.0	52.9		ug/L		106	86 - 115
Sodium	50.0	53.1		mg/L		106	90 - 115
Tin	2000	2130		ug/L		106	85 - 113

Lab Sample ID: 280-101565-A-1-B MS
Matrix: Water
Analysis Batch: 389556

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 389046

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	560		2000	2720		ug/L		108	85 - 120
Cadmium	0.45	U	100	110		ug/L		110	82 - 119
Cobalt	3.8	I	500	542		ug/L		108	82 - 119
Chromium	3.5	I	200	232		ug/L		114	73 - 135
Copper	4.2	U	250	290		ug/L		116	82 - 129
Nickel	19	I	500	551		ug/L		106	84 - 120
Lead	2.7	U	500	567		ug/L		113	89 - 121
Selenium	6.3	U	2000	2110		ug/L		105	71 - 140

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 280-101565-A-1-B MS
Matrix: Water
Analysis Batch: 389556

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 389046

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron	130		1000	1200		ug/L		108	52 - 155		
Vanadium	2.3	I	500	571		ug/L		114	85 - 120		
Zinc	4.5	U	500	532		ug/L		106	60 - 137		
Silver	0.93	U	50.0	59.8		ug/L		120	75 - 141		
Sodium	170		50.0	223		mg/L		105	70 - 203		
Tin	5.8	U	2000	2240		ug/L		112	77 - 126		

Lab Sample ID: 280-101565-A-1-C MSD
Matrix: Water
Analysis Batch: 389556

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 389046

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	560		2000	2790		ug/L		111	85 - 120	2	20
Cadmium	0.45	U	100	107		ug/L		107	82 - 119	3	20
Cobalt	3.8	I	500	528		ug/L		105	82 - 119	3	20
Chromium	3.5	I	200	224		ug/L		110	73 - 135	3	20
Copper	4.2	U	250	281		ug/L		112	82 - 129	3	20
Nickel	19	I	500	536		ug/L		103	84 - 120	3	20
Lead	2.7	U	500	552		ug/L		110	89 - 121	3	20
Selenium	6.3	U	2000	2030		ug/L		101	71 - 140	4	20
Iron	130		1000	1230		ug/L		110	52 - 155	2	20
Vanadium	2.3	I	500	555		ug/L		111	85 - 120	3	20
Zinc	4.5	U	500	517		ug/L		103	60 - 137	3	20
Silver	0.93	U	50.0	57.7		ug/L		115	75 - 141	4	20
Sodium	170		50.0	231		mg/L		121	70 - 203	3	20
Tin	5.8	U	2000	2140		ug/L		107	77 - 126	5	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 280-389048/1-A
Matrix: Water
Analysis Batch: 389426

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 389048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	2.0	0.40	ug/L		09/28/17 07:34	09/28/17 16:49	1
Arsenic	0.33	U	5.0	0.33	ug/L		09/28/17 07:34	09/28/17 16:49	1
Thallium	0.050	U	1.0	0.050	ug/L		09/28/17 07:34	09/28/17 16:49	1

Lab Sample ID: MB 280-389048/1-A
Matrix: Water
Analysis Batch: 389650

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 389048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.080	U	1.0	0.080	ug/L		09/28/17 07:34	09/29/17 14:40	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 280-389048/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 389426 — **Prep Batch: 389048**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	40.0	39.2		ug/L		98	85 - 115
Arsenic	40.0	36.8		ug/L		92	85 - 117
Thallium	40.0	38.9		ug/L		97	85 - 118

Lab Sample ID: LCS 280-389048/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 389650 — **Prep Batch: 389048**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	40.0	39.5		ug/L		99	80 - 125

Lab Sample ID: 280-101567-5 MS — **Client Sample ID: MW-15A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 389426 — **Prep Batch: 389048**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.40	U	40.0	40.0		ug/L		100	85 - 115
Arsenic	0.33	U	40.0	37.9		ug/L		95	85 - 117
Thallium	0.050	U	40.0	39.5		ug/L		99	85 - 118

Lab Sample ID: 280-101567-5 MS — **Client Sample ID: MW-15A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 389650 — **Prep Batch: 389048**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.080	U	40.0	41.1		ug/L		103	80 - 125

Lab Sample ID: 280-101567-5 MSD — **Client Sample ID: MW-15A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 389426 — **Prep Batch: 389048**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.40	U	40.0	39.4		ug/L		99	85 - 115	1	20
Arsenic	0.33	U	40.0	35.6		ug/L		89	85 - 117	6	20
Thallium	0.050	U	40.0	37.9		ug/L		95	85 - 118	4	20

Lab Sample ID: 280-101567-5 MSD — **Client Sample ID: MW-15A**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 389650 — **Prep Batch: 389048**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	0.080	U	40.0	40.9		ug/L		102	80 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-389287/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389427 — **Prep Batch: 389287**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	U	0.20	0.027	ug/L		09/28/17 11:57	09/28/17 17:43	1

Lab Sample ID: LCS 280-389287/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389427 — **Prep Batch: 389287**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.00		ug/L		100	84 - 120

Lab Sample ID: LCSD 280-389287/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389427 — **Prep Batch: 389287**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	5.00	4.90		ug/L		98	84 - 120	2	15

Lab Sample ID: 280-101586-O-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389427 — **Prep Batch: 389287**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.027	U	5.00	4.86		ug/L		97	75 - 125

Lab Sample ID: 280-101586-O-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389427 — **Prep Batch: 389287**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.027	U	5.00	4.79		ug/L		96	75 - 125	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-388937/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.042	U	0.50	0.042	mg/L			09/26/17 15:01	1

Lab Sample ID: LCS 280-388937/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	5.00	5.05		mg/L		101	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 280-388937/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N			5.00	5.04		mg/L		101	90 - 110	0	10

Lab Sample ID: MRL 280-388937/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N			0.200	0.199	I	mg/L		100	50 - 150		

Lab Sample ID: 280-101567-A-3 MS — **Client Sample ID: MW-14A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N	1.8		5.00	6.76		mg/L		99	80 - 120		

Lab Sample ID: 280-101567-A-3 MSD — **Client Sample ID: MW-14A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	1.8		5.00	6.75		mg/L		99	80 - 120	0	20

Lab Sample ID: 280-101567-A-3 DU — **Client Sample ID: MW-14A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388937

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate as N	1.8			1.82		mg/L				2	15

Lab Sample ID: MB 280-388938/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	3.0	0.25	mg/L			09/26/17 15:01	1

Lab Sample ID: LCS 280-388938/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	101		mg/L		101	90 - 110		

Lab Sample ID: LCSD 280-388938/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			100	101		mg/L		101	90 - 110	0	10

QC Sample Results

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Lab Sample ID: MRL 280-388938/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			2.50	2.39	I	mg/L		96	50 - 150		

Lab Sample ID: 280-101567-A-3 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	5.7		25.0	31.0		mg/L		101	80 - 120		

Lab Sample ID: 280-101567-A-3 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.7		25.0	31.1		mg/L		101	80 - 120	0	20

Lab Sample ID: 280-101567-A-3 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 388938

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	5.7			5.77		mg/L				0.4	15

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 280-390243/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390436 — **Prep Batch: 390243**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	0.0020	U	0.010	0.0020	mg/L		10/06/17 07:04	10/07/17 10:31	1

Lab Sample ID: HLCS 280-390243/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390436 — **Prep Batch: 390243**

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.350	0.336		mg/L		96	90 - 110		

Lab Sample ID: LCS 280-390243/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390436 — **Prep Batch: 390243**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.105	0.105		mg/L		100	90 - 110		

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: LLCS 280-390243/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390436 — **Prep Batch: 390243**

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide			0.100	0.0984		mg/L		98	44 - 167		

Lab Sample ID: 280-101558-H-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390436 — **Prep Batch: 390243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Cyanide	0.0020	U	0.105	0.101		mg/L		97	90 - 110		

Lab Sample ID: 280-101558-H-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 390436 — **Prep Batch: 390243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Cyanide	0.0020	U	0.105	0.101		mg/L		97	90 - 110	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-389154/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.7	U	10	4.7	mg/L			09/27/17 13:35	1

Lab Sample ID: LCS 280-389154/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389154

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			500	501		mg/L		100	86 - 110		

Lab Sample ID: 280-101559-A-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 389154

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	630			642		mg/L				2	10

QC Association Summary

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

GC/MS VOA

Analysis Batch: 390250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-2	MW-11B	Total/NA	Water	8260B	
280-101567-3	MW-14A	Total/NA	Water	8260B	
280-101567-4	MW-15B	Total/NA	Water	8260B	
280-101567-5	MW-15A	Total/NA	Water	8260B	
MB 280-390250/6	Method Blank	Total/NA	Water	8260B	
LCS 280-390250/4	Lab Control Sample	Total/NA	Water	8260B	
280-101564-D-1 MS	Matrix Spike	Total/NA	Water	8260B	
280-101564-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 390377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-1	TRIP BLANK	Total/NA	Water	8260B	
MB 280-390377/6	Method Blank	Total/NA	Water	8260B	
LCS 280-390377/4	Lab Control Sample	Total/NA	Water	8260B	
280-101611-H-1 MS	Matrix Spike	Total/NA	Water	8260B	
280-101611-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 389630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	3520C	
MB 280-389630/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-389630/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 280-389630/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-389630/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 280-389630/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
280-101586-C-1-A MS	Matrix Spike	Total/NA	Water	3520C	
280-101586-I-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 390561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	8270C	389630
MB 280-389630/1-A	Method Blank	Total/NA	Water	8270C	389630
LCS 280-389630/2-A	Lab Control Sample	Total/NA	Water	8270C	389630
LCS 280-389630/4-A	Lab Control Sample	Total/NA	Water	8270C	389630
LCSD 280-389630/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	389630
LCSD 280-389630/5-A	Lab Control Sample Dup	Total/NA	Water	8270C	389630
280-101586-C-1-A MS	Matrix Spike	Total/NA	Water	8270C	389630
280-101586-I-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270C	389630

GC Semi VOA

Prep Batch: 389061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	3510C	
MB 280-389061/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-389061/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 280-389061/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 280-389061/6-A	Lab Control Sample	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 389061 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 280-389061/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 280-389061/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 280-389061/7-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 389067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	8151A	
MB 280-389067/1-A	Method Blank	Total/NA	Water	8151A	
LCS 280-389067/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 280-389067/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 389701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	8151A	389067
MB 280-389067/1-A	Method Blank	Total/NA	Water	8151A	389067
LCS 280-389067/2-A	Lab Control Sample	Total/NA	Water	8151A	389067
LCSD 280-389067/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	389067

Analysis Batch: 389827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	8082	389061
MB 280-389061/1-A	Method Blank	Total/NA	Water	8082	389061
LCS 280-389061/6-A	Lab Control Sample	Total/NA	Water	8082	389061
LCSD 280-389061/7-A	Lab Control Sample Dup	Total/NA	Water	8082	389061

Prep Batch: 390158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-1	TRIP BLANK	Total/NA	Water	8011	
280-101567-2	MW-11B	Total/NA	Water	8011	
280-101567-3	MW-14A	Total/NA	Water	8011	
280-101567-4	MW-15B	Total/NA	Water	8011	
280-101567-5	MW-15A	Total/NA	Water	8011	
MB 280-390158/2-A	Method Blank	Total/NA	Water	8011	
LCS 280-390158/3-A	Lab Control Sample	Total/NA	Water	8011	
320-31906-J-2-A MS	Matrix Spike	Total/NA	Water	8011	
320-31906-L-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8011	

Analysis Batch: 390526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-1	TRIP BLANK	Total/NA	Water	8011	390158
280-101567-2	MW-11B	Total/NA	Water	8011	390158
280-101567-3	MW-14A	Total/NA	Water	8011	390158
280-101567-4	MW-15B	Total/NA	Water	8011	390158
280-101567-5	MW-15A	Total/NA	Water	8011	390158
MB 280-390158/2-A	Method Blank	Total/NA	Water	8011	390158
LCS 280-390158/3-A	Lab Control Sample	Total/NA	Water	8011	390158
320-31906-J-2-A MS	Matrix Spike	Total/NA	Water	8011	390158
320-31906-L-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8011	390158

GC Semi VOA (Continued)

Analysis Batch: 390703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	8081A	389061
MB 280-389061/1-A	Method Blank	Total/NA	Water	8081A	389061
LCS 280-389061/2-A	Lab Control Sample	Total/NA	Water	8081A	389061
LCS 280-389061/4-A	Lab Control Sample	Total/NA	Water	8081A	389061
LCSD 280-389061/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	389061
LCSD 280-389061/5-A	Lab Control Sample Dup	Total/NA	Water	8081A	389061

Metals

Prep Batch: 389046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total Recoverable	Water	3005A	
MB 280-389046/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-389046/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
280-101565-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
280-101565-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 389048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total Recoverable	Water	3005A	
MB 280-389048/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-389048/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
280-101567-5 MS	MW-15A	Total Recoverable	Water	3005A	
280-101567-5 MSD	MW-15A	Total Recoverable	Water	3005A	

Prep Batch: 389287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	7470A	
MB 280-389287/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-389287/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 280-389287/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
280-101586-O-1-B MS	Matrix Spike	Total/NA	Water	7470A	
280-101586-O-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 389426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total Recoverable	Water	6020	389048
MB 280-389048/1-A	Method Blank	Total Recoverable	Water	6020	389048
LCS 280-389048/2-A	Lab Control Sample	Total Recoverable	Water	6020	389048
280-101567-5 MS	MW-15A	Total Recoverable	Water	6020	389048
280-101567-5 MSD	MW-15A	Total Recoverable	Water	6020	389048

Analysis Batch: 389427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	7470A	389287
MB 280-389287/1-A	Method Blank	Total/NA	Water	7470A	389287
LCS 280-389287/2-A	Lab Control Sample	Total/NA	Water	7470A	389287
LCSD 280-389287/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	389287
280-101586-O-1-B MS	Matrix Spike	Total/NA	Water	7470A	389287
280-101586-O-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	389287

Metals (Continued)

Analysis Batch: 389556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total Recoverable	Water	6010B	389046
MB 280-389046/1-A	Method Blank	Total Recoverable	Water	6010B	389046
LCS 280-389046/2-A	Lab Control Sample	Total Recoverable	Water	6010B	389046
280-101565-A-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	389046
280-101565-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	389046

Analysis Batch: 389650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total Recoverable	Water	6020	389048
MB 280-389048/1-A	Method Blank	Total Recoverable	Water	6020	389048
LCS 280-389048/2-A	Lab Control Sample	Total Recoverable	Water	6020	389048
280-101567-5 MS	MW-15A	Total Recoverable	Water	6020	389048
280-101567-5 MSD	MW-15A	Total Recoverable	Water	6020	389048

General Chemistry

Analysis Batch: 388937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-3	MW-14A	Total/NA	Water	300.0	
280-101567-5	MW-15A	Total/NA	Water	300.0	
MB 280-388937/6	Method Blank	Total/NA	Water	300.0	
LCS 280-388937/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-388937/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-388937/3	Lab Control Sample	Total/NA	Water	300.0	
280-101567-A-3 MS	MW-14A	Total/NA	Water	300.0	
280-101567-A-3 MSD	MW-14A	Total/NA	Water	300.0	
280-101567-A-3 DU	MW-14A	Total/NA	Water	300.0	

Analysis Batch: 388938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	300.0	
MB 280-388938/6	Method Blank	Total/NA	Water	300.0	
LCS 280-388938/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-388938/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-388938/3	Lab Control Sample	Total/NA	Water	300.0	
280-101567-A-3 MS	Matrix Spike	Total/NA	Water	300.0	
280-101567-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
280-101567-A-3 DU	Duplicate	Total/NA	Water	300.0	

Analysis Batch: 389154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	SM 2540C	
MB 280-389154/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-389154/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-101559-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Prep Batch: 390243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	Distill/CN	
MB 280-390243/4-A	Method Blank	Total/NA	Water	Distill/CN	

General Chemistry (Continued)

Prep Batch: 390243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 280-390243/1-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCS 280-390243/3-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LLCS 280-390243/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
280-101558-H-1-B MS	Matrix Spike	Total/NA	Water	Distill/CN	
280-101558-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/CN	

Analysis Batch: 390436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-5	MW-15A	Total/NA	Water	335.4	390243
MB 280-390243/4-A	Method Blank	Total/NA	Water	335.4	390243
HLCS 280-390243/1-A	Lab Control Sample	Total/NA	Water	335.4	390243
LCS 280-390243/3-A	Lab Control Sample	Total/NA	Water	335.4	390243
LLCS 280-390243/2-A	Lab Control Sample	Total/NA	Water	335.4	390243
280-101558-H-1-B MS	Matrix Spike	Total/NA	Water	335.4	390243
280-101558-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	335.4	390243

Field Service / Mobile Lab

Analysis Batch: 389636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-101567-2	MW-11B	Total/NA	Water	Field Sampling	
280-101567-3	MW-14A	Total/NA	Water	Field Sampling	
280-101567-4	MW-15B	Total/NA	Water	Field Sampling	
280-101567-5	MW-15A	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 280-101567-1

Date Collected: 09/25/17 00:00 — **Matrix: Water**
Date Received: 09/26/17 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	390377	10/06/17 19:40	JNL	TAL DEN
Total/NA	Prep	8011			34.8 mL	35 mL	390158	10/05/17 12:40	KRP	TAL DEN
Total/NA	Analysis	8011		1			390526	10/09/17 15:58	TEM	TAL DEN

Client Sample ID: MW-11B — Lab Sample ID: 280-101567-2

Date Collected: 09/25/17 09:37 — **Matrix: Water**
Date Received: 09/26/17 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	390250	10/06/17 15:01	DPI	TAL DEN
Total/NA	Prep	8011			34.8 mL	35 mL	390158	10/05/17 12:40	KRP	TAL DEN
Total/NA	Analysis	8011		1			390526	10/09/17 16:17	TEM	TAL DEN
Total/NA	Analysis	Field Sampling		1			389636	09/25/17 07:37	TXS	TAL DEN

Client Sample ID: MW-14A — Lab Sample ID: 280-101567-3

Date Collected: 09/25/17 08:51 — **Matrix: Water**
Date Received: 09/26/17 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	390250	10/06/17 15:21	DPI	TAL DEN
Total/NA	Prep	8011			35.5 mL	35 mL	390158	10/05/17 12:40	KRP	TAL DEN
Total/NA	Analysis	8011		1			390526	10/09/17 16:35	TEM	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	388937	09/26/17 16:01	AFB	TAL DEN
Total/NA	Analysis	Field Sampling		1			389636	09/25/17 06:51	TXS	TAL DEN

Client Sample ID: MW-15B — Lab Sample ID: 280-101567-4

Date Collected: 09/25/17 10:22 — **Matrix: Water**
Date Received: 09/26/17 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	390250	10/06/17 15:41	DPI	TAL DEN
Total/NA	Prep	8011			35 mL	35 mL	390158	10/05/17 12:40	KRP	TAL DEN
Total/NA	Analysis	8011		1			390526	10/09/17 16:54	TEM	TAL DEN
Total/NA	Analysis	Field Sampling		1			389636	09/25/17 08:22	TXS	TAL DEN

Client Sample ID: MW-15A — Lab Sample ID: 280-101567-5

Date Collected: 09/25/17 11:20 — **Matrix: Water**
Date Received: 09/26/17 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	390250	10/06/17 16:01	DPI	TAL DEN
Total/NA	Prep	3520C			1049.8 mL	1 mL	389630	10/01/17 13:23	CDC	TAL DEN

Lab Chronicle

Client: Waste Management
Project/Site: FL26|Vista

TestAmerica Job ID: 280-101567-1

Client Sample ID: MW-15A

Date Collected: 09/25/17 11:20
Date Received: 09/26/17 08:50

Lab Sample ID: 280-101567-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C		1			390561	10/09/17 19:50	AFH	TAL DEN
Total/NA	Prep	8011			34.9 mL	35 mL	390158	10/05/17 12:40	KRP	TAL DEN
Total/NA	Analysis	8011		1			390526	10/09/17 17:31	TEM	TAL DEN
Total/NA	Prep	3510C			1049 mL	10 mL	389061	09/27/17 05:19	JDW	TAL DEN
Total/NA	Analysis	8081A		1			390703	10/10/17 17:50	AFB	TAL DEN
Total/NA	Prep	3510C			1049 mL	10 mL	389061	09/27/17 05:19	JDW	TAL DEN
Total/NA	Analysis	8082		1			389827	10/03/17 21:16	TDJ	TAL DEN
Total/NA	Prep	8151A			1052.3 mL	10 mL	389067	09/27/17 07:35	KI	TAL DEN
Total/NA	Analysis	8151A		1			389701	10/03/17 02:56	KDK	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	389046	09/28/17 07:34	TEB	TAL DEN
Total Recoverable	Analysis	6010B		1			389556	09/29/17 04:52	LLB	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	389048	09/28/17 07:34	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			389426	09/28/17 17:27	LMT	TAL DEN
Total Recoverable	Prep	3005A			50 mL	50 mL	389048	09/28/17 07:34	TEB	TAL DEN
Total Recoverable	Analysis	6020		1			389650	09/29/17 15:18	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	389287	09/28/17 11:57	CDH	TAL DEN
Total/NA	Analysis	7470A		1			389427	09/28/17 18:50	CDH	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	388937	09/27/17 08:29	AFB	TAL DEN
Total/NA	Analysis	300.0		1	5 mL	5 mL	388938	09/27/17 08:29	AFB	TAL DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	390243	10/06/17 07:04	JML	TAL DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	390436	10/07/17 10:57	JML	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389154	09/27/17 13:35	PAH	TAL DEN
Total/NA	Analysis	Field Sampling		1			389636	09/25/17 09:20	TXS	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

10/18/2017

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: DANNY ARMOUR	Lab PM: Harrington, Danielle M	Carrier Tracking No(s):	COC No: 280-67629-22867.1
Client Contact: Elizabeth Foeller	Phone: 25-907-4060	E-Mail: danielle.harrington@testamericainc.com		Page: Page 1 of 1
Company: Waste Management				Job #:
Address: 14415 CR 39	Due Date Requested:			
City: Duette	TAT Requested (days):			
State, Zip: FL, 34219				
Phone: 941-720-0564(Tel)	PO #: Purchase Order Requested			
Email: efoeller@wm.com	WO #:			
Project Name: FL26|Vista/FL26 Event Desc: New Well Background	Project #: 28002729			
Site: Florida	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:

Material Codes: AG=Amber Glass; CG=Clear Glass; PE=Polyethylene; PP=Polypropylene; S=Silicone; T=Teflon; O=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)	8260B -Appendix II (40mL - CG)	8011 - EDB/DBCP (40mL CG)	6010B, 6020, 7470A Total Metals (500ml - PE)	350.1 - Ammonia as N (500ml AG)	8081A - Pesticides (1 Liter - AG)	8151A - Herbicides (1 Liter - AG)	8082 - PCBs (1 Liter - AG)	8270C - Semivolatiles (1 Liter - AG)	2540C_Calcd - Total Dissolved Solids/ IC Chloride/ IC Nitrate ((1 Liter - PE)	335.4 - Total Cyanide (500ml PE)	9034 - Total Sulfide (2509mL PE)	Nitrate (250ml- PE)		Total Number of containers	
			Preservation Code:		X	X	A	R	D	S	N	N	N	N	N	N	CB	N		X	
TRIP BLANK	9-25	—	G	Water	N		X	X													
MW-11B	9-25	0937	G	Water	N		X	X													Login: Shorthold includes Nitrate by IC
MW-14A	9-25	0851	G	Water	N		X	X										X			
~~MW-14B~~ MW-15B	9-25	1022	G	Water	N		X	X													
MW-15A	9-25	1120	G	Water	N		X	X	X		X	X	X	X	X	X					

280-101567 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: 9-25-17 1600	Company: PRO-TEAM	Received by:	Date/Time: 9/26/17 0850	Company: TAD
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

4.7, 4.4 CFO.1 IR#7 Transferred by 9/26/17

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW-11B	SAMPLE ID:		DATE: 9-25-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 78.8 feet to 88.8 feet	STATIC DEPTH TO WATER (feet): 37.66	PURGE PUMP TYPE OR BAILER: ESP

WELL ELEVATION TOC (ft NGVD): NA | GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 88.80 feet) + 0.05 gallons = 0.48 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 83.80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 83.80	PURGING INITIATED AT: 0915	PURGING ENDED AT: 0937	TOTAL VOLUME PURGED (gallons): 4.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0927	2.40	2.40	0.20	46.87	7.41	24.9	391	0.1	5.11	23		
0930	0.60	3.00	0.20	46.88	7.40	24.8	391	0.2	4.87	20		
0933	0.60	3.60	0.20	46.88	7.42	24.8	393	0.1	4.39	20		
0936	0.60	4.20	0.20	46.88	7.41	24.8	393	0.2	4.71	19	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DANNY ARMOUR / Pro-Tech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0937	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 83.80	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40 ml	Nathio	–	–	8011	0.20	ESP
	3	CG	40 ml	HCl	–	–	8260D	0.20	ESP

REMARKS:
SHEEN : No

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW-14A	SAMPLE ID:		DATE: 9-25-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 38.15 feet to 58.15 feet	STATIC DEPTH TO WATER (feet): 35.22	PURGE PUMP TYPE OR BAILER: ESP

WELL ELEVATION TOC (ft NGVD): NA | GROUNDWATER ELEVATION (ft NGVD): NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (58.15 feet – 35.22 feet) X 0.163 gallons/foot = 3.74 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0021 gallons/foot X 58.15 feet) + 0.05 gallons = 0.40 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 53.15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 53.15	PURGING INITIATED AT: 0822	PURGING ENDED AT: 0851	TOTAL VOLUME PURGED (gallons): 5.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
0841	3.80	3.80	0.20	43.27	6.07	25.2	82	2.0	8.62	-16		
0844	0.60	4.40	0.20	43.27	6.08	25.2	82	2.0	8.47	-15		
0847	0.60	5.00	0.20	43.27	6.08	25.3	81	2.0	8.35	-17		
0850	0.60	5.60	0.20	43.28	6.09	25.3	80	2.0	8.22	-14	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DANNY ARNOUR / Pro-Tech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0851	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 53.15	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm. Filtration Equipment Type:	FILTER SIZE:

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40ml	Nathio	–	–	8011	0.20	ESP
	3	CG	40ml	HCl	–	–	8260B		
	1	PE	250ml	–	–	–	NITRATE		

REMARKS:
SHEEN : NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA, FL	
WELL NO: MW-15B	SAMPLE ID:		DATE: 9-25-17

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 1/4	WELL SCREEN INTERVAL DEPTH: 83.48 feet to 93.48 feet	STATIC DEPTH TO WATER (feet): 46.85	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 93.48 feet) + 0.05 gallons = 0.49 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 88.48	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 88.48	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1022	TOTAL VOLUME PURGED (gallons): 4.62

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1012	2.52	2.52	0.21	52.05	6.89	26.4	86	2.1	3.66	-44		
1015	0.63	3.15	0.21	52.05	6.84	26.3	86	2.1	3.25	-47		
1018	0.63	3.78	0.21	52.06	6.83	26.3	87	2.1	3.14	-43		
1021	0.63	4.41	0.21	52.06	6.83	26.3	87	2.1	3.11	-44	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT)/AFFILIATION: DANNY ARMOUR / Pro-Tech	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1022	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 88.48	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40 ml	NaHSO4	–	–	8011	0.21	ESP
	3	CG	40 ml	HCl	–	–	8260B	0.21	ESP

REMARKS: SHEEN: NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: VISTA		SITE LOCATION: APOPKA FL	
WELL NO: MW-15A	SAMPLE ID:		DATE: 9-25-17

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 49.3 feet to 69.3 feet	STATIC DEPTH TO WATER (feet): 36.08	PURGE PUMP TYPE OR BAILER: ESP
WELL ELEVATION TOC (ft NGVD): NA		GROUNDWATER ELEVATION (ft NGVD): NA		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (69.30 feet – 36.08 feet) X 0.163 gallons/foot = 5.41 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.2 gallons + (0.0026 gallons/foot X 69.30 feet) + 0.05 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 69.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 69.30	PURGING INITIATED AT: 1047	PURGING ENDED AT: 1120		TOTAL VOLUME PURGED (gallons): 7.92

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR	ODOR
1110	5.52	5.52	0.24	37.14	6.22	26.5	51	2.9	6.68	-46		
1113	0.72	6.24	0.24	37.14	6.24	26.3	51	2.9	6.11	-44		
1116	0.72	6.96	0.24	37.14	6.25	26.3	51	2.9	5.62	-43		
1119	0.72	7.68	0.24	37.15	6.25	26.3	50	2.9	5.23	-43	NONE	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DANNY ARMOUR / Pro-Tank	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1120	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 69.30	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) µm Filtration Equipment Type:	FILTER SIZE:
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLE PUMP FLOW RATE (mL per minute)	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL. ADDED IN FIELD (mL)	FINAL pH			
	1	PE	500 mL	–	–	–	CYANIDE	0.24	ESP
	2	AG	1L	–	–	–	8081A		
	3	CG	~~[illegible]~~	Na thio	–	–	8011		
	3	CG	40 mL	HCl	–	–	8260B		
	2	AG	1L	–	–	–	8151A		
	2	AG	1L	–	–	–	8082		

REMARKS:
SHEEN: No

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-101567-1

Login Number: 101567
List Number: 1
Creator: Loux, Lauren P

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

PROFESSIONAL TECHNICAL SUPPORT SERVICES, INC.
Atlanta (770) 723-9229
Baton Rouge (504) 293-0136
Jacksonville (904) 693-3177
Houston (208) 443-7606
Pittsburgh (412) 746-8823

FACILITY NAME: VISTA

?TH TO WATER
:ASUREMENTS

DATE: 9-14-17

MONITORING LOCATION	DEPTH TO WATER (ft TOC)
MW-9A	42.41
MW-9B	42.60
MW-11A	39.76
MW-11B	39.36
MW-14A	36.91
MW-14B	43.30
MW-15A	40.40
MW-15B	47.60

MONITORING LOCATION	DEPTH TO WATER (ft TOC)

WASTE MANAGEMENT

WELL CONDITION INSPECTION FORM

Site: VISTA

Personnel: DANNY ARMOUR / BLAINE GRISSOM

Date: 9-14-17

Page 1 of 1

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	General Turbidity	Well Yield	Comments/Observations *
MW-9A	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No	ESP NOT DEDICATED	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	NOT LABELED
MW-9B	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
MW-11A	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
MW-11B	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
MW-14A	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
MW-14B	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
MW-15A	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
MW-15B	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No		☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		☐ Clear ☐ Turbid	☐ OK ☐ Inadequate	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		☐ Clear ☐ Turbid	☐ OK ☐ Inadequate	

* Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.

Return this form to Site Manager - FOR INTERNAL USE ONLY.

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HF SCIENTIFIC MICRO TPI INSTRUMENT # 200710329

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1000 NTU HF SCIENTIFIC EXP: JAN 2018

Standard B 10.0 NTU HF SCIENTIFIC EXP: JAN 2018

Standard C 0.02 NTU HF SCIENTIFIC EXP: JAN 2018

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/14	0630	A	1000	AUTO CAL	–	YES	INIT	DSA
|	|	B	10.0	|	–	YES	INIT	DSA
		C	0.02		–	YES	INIT	DSA

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI Pro Series INSTRUMENT # 15D100783

PARAMETER: *[check only one]*

- ☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
- ☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 7.00 (std) Ricca Chem Lot# 2607D40 Exp: 07/2018

Standard B 4.00 (std) Ricca Chem Lot# 2511B04 Exp: 11/2017

Standard C 10.00 (std) Ricca Chem Lot# 2608E32 Exp: 02/2018

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/07/14	0630	A	7.00	AUTO CAL	-	YES	INIT	DKA
|	|	B	4.00	|	-	YES	INIT	DKA
		C	10.00		-	YES	INIT	DKA

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI PRO SERIES INSTRUMENT # 15D100782

PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1.413 mS/cm PINE ENVIRONMENTAL EXP: 02/2018

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/07/14	0630	A	1.413	AUTO CAL	-	YES	INIT	DGA

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI Pro Series INSTRUMENT # 15D100782

PARAMETER: *[check only one]*

- ☐ TEMPERATURE
- ☐ CONDUCTIVITY
- ☐ SALINITY
- ☐ pH
- ☐ ORP
- ☐ TURBIDITY
- ☐ RESIDUAL Cl
- ☒ DO
- ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A SATURATED AIR

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES/NO)	TYPE (INIT/CONT)	SAMPLER INITIALS
17/07/14	0630	A	100% SAT	100%	-	YES	INIT	DK

Table FS 2200-2
Dissolved Oxygen Saturation

TEMP	D.O.	mg/L	TEMP	D.O.	mg/L	TEMP	D.O.	mg/L	TEMP	D.O.	mg/L
deg C	SAT.	20%	deg C	SAT.	20%	deg C	SAT.	20%	deg C	SAT.	20%
15.0	10.084	2.017	19.0	9.276	1.855	23.0	8.578	1.716	27.0	7.968	1.594
15.1	10.062	2.012	19.1	9.258	1.852	23.1	8.562	1.712	27.1	7.954	1.591
15.2	10.040	2.008	19.2	9.239	1.848	23.2	8.546	1.709	27.2	7.940	1.588
15.3	10.019	2.004	19.3	9.220	1.844	23.3	8.530	1.706	27.3	7.926	1.585
15.4	9.997	1.999	19.4	9.202	1.840	23.4	8.514	1.703	27.4	7.912	1.582
15.5	9.976	1.995	19.5	9.184	1.837	23.5	8.498	1.700	27.5	7.898	1.580
15.6	9.955	1.991	19.6	9.165	1.833	23.6	8.482	1.696	27.6	7.884	1.577
15.7	9.934	1.987	19.7	9.147	1.829	23.7	8.466	1.693	27.7	7.870	1.574
15.8	9.912	1.982	19.8	9.129	1.826	23.8	8.450	1.690	27.8	7.856	1.571
15.9	9.891	1.978	19.9	9.111	1.822	23.9	8.434	1.687	27.9	7.842	1.568
16.0	9.870	1.974	20.0	9.092	1.818	24.0	8.418	1.684	28.0	7.828	1.566
16.1	9.849	1.970	20.1	9.074	1.815	24.1	8.403	1.681	28.1	7.814	1.563
16.2	9.829	1.966	20.2	9.056	1.811	24.2	8.387	1.677	28.2	7.800	1.560
16.3	9.808	1.962	20.3	9.039	1.808	24.3	8.371	1.674	28.3	7.786	1.557
16.4	9.787	1.957	20.4	9.021	1.804	24.4	8.356	1.671	28.4	7.773	1.555
16.5	9.767	1.953	20.5	9.003	1.801	24.5	8.340	1.668	28.5	7.759	1.552
16.6	9.746	1.949	20.6	8.985	1.797	24.6	8.325	1.665	28.6	7.745	1.549
16.7	9.726	1.945	20.7	8.968	1.794	24.7	8.309	1.662	28.7	7.732	1.546
16.8	9.705	1.941	20.8	8.950	1.790	24.8	8.294	1.659	28.8	7.718	1.544
16.9	9.685	1.937	20.9	8.932	1.786	24.9	8.279	1.656	28.9	7.705	1.541
17.0	9.665	1.933	21.0	8.915	1.783	25.0	8.263	1.653	29.0	7.691	1.538
17.1	9.645	1.929	21.1	8.898	1.780	25.1	8.248	1.650	29.1	7.678	1.536
17.2	9.625	1.925	21.2	8.880	1.776	25.2	8.233	1.647	29.2	7.664	1.533
17.3	9.605	1.921	21.3	8.863	1.773	25.3	8.218	1.644	29.3	7.651	1.530
17.4	9.585	1.917	21.4	8.846	1.769	25.4	8.203	1.641	29.4	7.638	1.528
17.5	9.565	1.913	21.5	8.829	1.766	25.5	8.188	1.638	29.5	7.625	1.525
17.6	9.545	1.909	21.6	8.812	1.762	25.6	8.173	1.635	29.6	7.611	1.522
17.7	9.526	1.905	21.7	8.794	1.759	25.7	8.158	1.632	29.7	7.598	1.520
17.8	9.506	1.901	21.8	8.777	1.755	25.8	8.143	1.629	29.8	7.585	1.517
17.9	9.486	1.897	21.9	8.761	1.752	25.9	8.128	1.626	29.9	7.572	1.514
18.0	9.467	1.893	22.0	8.744	1.749	26.0	8.114	1.623	30.0	7.559	1.512
18.1	9.448	1.890	22.1	8.727	1.745	26.1	8.099	1.620	30.1	7.546	1.509
18.2	9.428	1.886	22.2	8.710	1.742	26.2	8.084	1.617	30.2	7.533	1.507
18.3	9.409	1.882	22.3	8.693	1.739	26.3	8.070	1.614	30.3	7.520	1.504
18.4	9.390	1.878	22.4	8.677	1.735	26.4	8.055	1.611	30.4	7.507	1.501
18.5	9.371	1.874	22.5	8.660	1.732	26.5	8.040	1.608	30.5	7.494	1.499
18.6	9.352	1.870	22.6	8.644	1.729	26.6	8.026	1.605	30.6	7.481	1.496
18.7	9.333	1.867	22.7	8.627	1.725	26.7	8.012	1.602	30.7	7.468	1.494
18.8	9.314	1.863	22.8	8.611	1.722	26.8	7.997	1.599	30.8	7.456	1.491
18.9	9.295	1.859	22.9	8.595	1.719	26.9	7.983	1.597	30.9	7.443	1.489

Derived using the formula in Standard Methods for the Examination of Water and Wastewater, Page 4-101, 18th Edition, 1992

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI PRO SERIES INSTRUMENT # 15B104892

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 7.00 (std) RICCA CHEM LOT# 2607D40 EXP: 07/2018

Standard B 4.00 (std) RICCA CHEM LOT# 2511B04 EXP: 11/2017

Standard C 10.00 (std) RICCA CHEM LOT# 2608E32 EXP: 02/2018

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/14	0630	A	7.00	AUTO CAL	–	YES	INIT	BG
|	|	B	4.00	|	–	YES	INIT	BG
		C	10.00		–	YES	INIT	BG

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI PRO SERIES INSTRUMENT # 15B104892

PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1.413 mS/cm PINE ENVIRONMENTAL EXP: 02/2018

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/14	0630	A	1.413	AUTO CAL	-	YES	INIT	BG

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HF SCIENTIFIC MICRO TPI INSTRUMENT # 108080

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1000 NTU HF SCIENTIFIC EXP: JAN 2018

Standard B 10.0 NTU HF SCIENTIFIC EXP: JAN 2018

Standard C 0.02 NTU HF SCIENTIFIC EXP: JAN 2018

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/14	0630	A	1000	AUTO CAL	-	YES	INIT	BG
|	|	B	10.0	|	-	YES	INIT	BG
		C	0.02	|	-	YES	INIT	BG

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI PRO SERIES INSTRUMENT # 15B104892

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A SATURATED AIR

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/14	0630	A	100% SAT	100%	-	YES	INIT	BG

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI PRO SERIES INSTRUMENT # 15D100782

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 7.00 (std) RICCA CHEM LOT# 2607D40 EXP: 07/2018

Standard B 4.00 (std) RICCA CHEM LOT# 2511B04 EXP: 11/2017

Standard C 10.00 (std) RICCA CHEM LOT# 2608E32 EXP: 02/2018

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
19/09/25	0730	A	7.00	AUTO CAL	-	YES	INIT	DJA
|	|	B	4.00	|	-	YES	INIT	DJA
		C	10.00		-	YES	INIT	DJA

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI PRO SERIES INSTRUMENT # 15D100782

PARAMETER: *[check only one]*

☐ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1.413 mS/cm PINE ENVIRONMENTAL EXP: 02/2018

Standard B _____

Standard C _____

DATE (y/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/25	0730	A	1.413	AUTO CAL	–	YES	INIT	DM

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HF SCIENTIFIC MICRO TPI INSTRUMENT # 200710329

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1000 NTU HF SCIENTIFIC EXP: JAN 2018

Standard B 10.0 NTU HF SCIENTIFIC EXP: JAN 2018

Standard C 0.02 NTU HF SCIENTIFIC EXP: JAN 2018

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV.	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/25	0730	A	1000	AUTO CAL	-	Yes	INIT	DA
|	|	B	10.0	|	-	Yes	INIT	DA
		C	0.02			Yes	INIT	DA

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI Pro Series INSTRUMENT # 15D100982

PARAMETER: *[check only one]*

- ☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
- ☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A SATURATED AIR

Standard B _____

Standard C _____

DATE (YY/MM/DD)	TIME (military)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV.	CALIBRATED (YES / NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
17/09/25	0730	A	100% SAT	100%	-	YES	INIT	DA

Table FS 2200-2
Dissolved Oxygen Saturation

TEMP	D.O. mg/L		TEMP	D.O. mg/L		TEMP	D.O. mg/L		TEMP	D.O. mg/L	
deg C	SAT.	20%	deg C	SAT.	20%	deg C	SAT.	20%	deg C	SAT.	20%
15.0	10.084	2.017	19.0	9.276	1.855	23.0	8.578	1.716	27.0	7.968	1.594
15.1	10.062	2.012	19.1	9.258	1.852	23.1	8.562	1.712	27.1	7.954	1.591
15.2	10.040	2.008	19.2	9.239	1.848	23.2	8.546	1.709	27.2	7.940	1.588
15.3	10.019	2.004	19.3	9.220	1.844	23.3	8.530	1.706	27.3	7.926	1.585
15.4	9.997	1.999	19.4	9.202	1.840	23.4	8.514	1.703	27.4	7.912	1.582
15.5	9.976	1.995	19.5	9.184	1.837	23.5	8.498	1.700	27.5	7.898	1.580
15.6	9.955	1.991	19.6	9.165	1.833	23.6	8.482	1.696	27.6	7.884	1.577
15.7	9.934	1.987	19.7	9.147	1.829	23.7	8.466	1.693	27.7	7.870	1.574
15.8	9.912	1.982	19.8	9.129	1.826	23.8	8.450	1.690	27.8	7.856	1.571
15.9	9.891	1.978	19.9	9.111	1.822	23.9	8.434	1.687	27.9	7.842	1.568
16.0	9.870	1.974	20.0	9.092	1.818	24.0	8.418	1.684	28.0	7.828	1.566
16.1	9.849	1.970	20.1	9.074	1.815	24.1	8.403	1.681	28.1	7.814	1.563
16.2	9.829	1.966	20.2	9.056	1.811	24.2	8.387	1.677	28.2	7.800	1.560
16.3	9.808	1.962	20.3	9.039	1.808	24.3	8.371	1.674	28.3	7.786	1.557
16.4	9.787	1.957	20.4	9.021	1.804	24.4	8.356	1.671	28.4	7.773	1.555
16.5	9.767	1.953	20.5	9.003	1.801	24.5	8.340	1.668	28.5	7.759	1.552
16.6	9.746	1.949	20.6	8.985	1.797	24.6	8.325	1.665	28.6	7.745	1.549
16.7	9.726	1.945	20.7	8.968	1.794	24.7	8.309	1.662	28.7	7.732	1.546
16.8	9.705	1.941	20.8	8.950	1.790	24.8	8.294	1.659	28.8	7.718	1.544
16.9	9.685	1.937	20.9	8.932	1.786	24.9	8.279	1.656	28.9	7.705	1.541
17.0	9.665	1.933	21.0	8.915	1.783	25.0	8.263	1.653	29.0	7.691	1.538
17.1	9.645	1.929	21.1	8.898	1.780	25.1	8.248	1.650	29.1	7.678	1.536
17.2	9.625	1.925	21.2	8.880	1.776	25.2	8.233	1.647	29.2	7.664	1.533
17.3	9.605	1.921	21.3	8.863	1.773	25.3	8.218	1.644	29.3	7.651	1.530
17.4	9.585	1.917	21.4	8.846	1.769	25.4	8.203	1.641	29.4	7.638	1.528
17.5	9.565	1.913	21.5	8.829	1.766	25.5	8.188	1.638	29.5	7.625	1.525
17.6	9.545	1.909	21.6	8.812	1.762	25.6	8.173	1.635	29.6	7.611	1.522
17.7	9.526	1.905	21.7	8.794	1.759	25.7	8.158	1.632	29.7	7.598	1.520
17.8	9.506	1.901	21.8	8.777	1.755	25.8	8.143	1.629	29.8	7.585	1.517
17.9	9.486	1.897	21.9	8.761	1.752	25.9	8.128	1.626	29.9	7.572	1.514
18.0	9.467	1.893	22.0	8.744	1.749	26.0	8.114	1.623	30.0	7.559	1.512
18.1	9.448	1.890	22.1	8.727	1.745	26.1	8.099	1.620	30.1	7.546	1.509
18.2	9.428	1.886	22.2	8.710	1.742	26.2	8.084	1.617	30.2	7.533	1.507
18.3	9.409	1.882	22.3	8.693	1.739	26.3	8.070	1.614	30.3	7.520	1.504
18.4	9.390	1.878	22.4	8.677	1.735	26.4	8.055	1.611	30.4	7.507	1.501
18.5	9.371	1.874	22.5	8.660	1.732	26.5	8.040	1.608	30.5	7.494	1.499
18.6	9.352	1.870	22.6	8.644	1.729	26.6	8.026	1.605	30.6	7.481	1.496
18.7	9.333	1.867	22.7	8.627	1.725	26.7	8.012	1.602	30.7	7.468	1.494
18.8	9.314	1.863	22.8	8.611	1.722	26.8	7.997	1.599	30.8	7.456	1.491
18.9	9.295	1.859	22.9	8.595	1.719	26.9	7.983	1.597	30.9	7.443	1.489

Derived using the formula in Standard Methods for the Examination of Water and Wastewater, Page 4-101, 18th Edition, 1992