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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Mullis
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, Maryland 20874

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JOB DESCRIPTION

GW-SW Sampling To Support EMPS

JOB NUMBER

410-165229-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-165229-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/25/2024 6:09 PM and 3/26/2024 6:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.6°C, 4.1°C, 5.7°C and 5.9°C.

Receipt Exceptions
The Chain-of-Custody (COC) was incomplete as received. The COC is missing the Number of containers per sample. This does not meet regulatory requirements.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-487516 recovered outside acceptance criteria, low biased, for 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-487991 recovered outside acceptance criteria, low biased, for 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-487991 recovered above the upper control limit for Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

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

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

Diesel Range Organics
Method 8015D_DRO: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 410-488692 and analytical batch 410-488809 recovered outside control limits for the following analytes: DRO (C10-C28). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

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

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

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

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

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

Detection Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-DA11-SW-20240325
Lab Sample ID: 410-165229-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.58	J	1.0	0.45	mg/L	5		EPA 300.0 R2.1	Total/NA
Aluminum	720		25	12	ug/L	1		6020B	Total Recoverable
Barium	12		2.0	0.75	ug/L	1		6020B	Total Recoverable
Calcium	21000		120	50	ug/L	1		6020B	Total Recoverable
Chromium	0.60	J	2.0	0.55	ug/L	1		6020B	Total Recoverable
Cobalt	0.34	J	0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	1.1		1.0	0.36	ug/L	1		6020B	Total Recoverable
Iron	670		50	20	ug/L	1		6020B	Total Recoverable
Lead	0.35	J	0.50	0.12	ug/L	1		6020B	Total Recoverable
Magnesium	2500	^2	50	16	ug/L	1		6020B	Total Recoverable
Manganese	13		2.0	0.95	ug/L	1		6020B	Total Recoverable
Nickel	0.78	J	1.0	0.40	ug/L	1		6020B	Total Recoverable
Potassium	1800		200	65	ug/L	1		6020B	Total Recoverable
Sodium	3400		200	90	ug/L	1		6020B	Total Recoverable
Vanadium	1.1	J	4.0	0.79	ug/L	1		6020B	Total Recoverable
Aluminum	13	J	25	12	ug/L	1		6020B	Dissolved
Barium	9.4		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	22000	^2	120	50	ug/L	1		6020B	Dissolved
Copper	1.8		1.0	0.36	ug/L	1		6020B	Dissolved
Iron	45	J	50	20	ug/L	1		6020B	Dissolved
Lead	0.14	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	2500		50	16	ug/L	1		6020B	Dissolved
Manganese	3.6		2.0	0.95	ug/L	1		6020B	Dissolved
Nickel	0.43	J	1.0	0.40	ug/L	1		6020B	Dissolved
Potassium	1800		200	65	ug/L	1		6020B	Dissolved
Sodium	3200	^2	200	90	ug/L	1		6020B	Dissolved
Zinc	7.1	J B	10	4.0	ug/L	1		6020B	Dissolved
pH	7.4	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.4	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.68	J	1.0	0.45	mg/L	5		EPA 300.0 R2.1	Total/NA
Aluminum	280		25	12	ug/L	1		6020B	Total Recoverable
Barium	19		2.0	0.75	ug/L	1		6020B	Total Recoverable
Calcium	36000		120	50	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: QL-DA2-SW-20240325 (Continued) — Lab Sample ID: 410-165229-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.26	J	0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	1.6		1.0	0.36	ug/L	1		6020B	Total Recoverable
Iron	390		50	20	ug/L	1		6020B	Total Recoverable
Lead	0.32	J	0.50	0.12	ug/L	1		6020B	Total Recoverable
Magnesium	6100	^2	50	16	ug/L	1		6020B	Total Recoverable
Manganese	21		2.0	0.95	ug/L	1		6020B	Total Recoverable
Potassium	2200		200	65	ug/L	1		6020B	Total Recoverable
Sodium	10000		200	90	ug/L	1		6020B	Total Recoverable
Aluminum	23	J	25	12	ug/L	1		6020B	Dissolved
Barium	19		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	38000	^2	120	50	ug/L	1		6020B	Dissolved
Cobalt	0.18	J	0.50	0.16	ug/L	1		6020B	Dissolved
Copper	2.8		1.0	0.36	ug/L	1		6020B	Dissolved
Iron	59		50	20	ug/L	1		6020B	Dissolved
Lead	0.20	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	6400		50	16	ug/L	1		6020B	Dissolved
Manganese	7.1		2.0	0.95	ug/L	1		6020B	Dissolved
Potassium	2200		200	65	ug/L	1		6020B	Dissolved
Sodium	10000	^2	200	90	ug/L	1		6020B	Dissolved
Zinc	7.6	J B	10	4.0	ug/L	1		6020B	Dissolved
Mercury	0.10	J	0.20	0.079	ug/L	1		7470A	Dissolved
pH	7.8	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.4	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA

Client Sample ID: TB-032524 — Lab Sample ID: 410-165229-3

No Detections.

Client Sample ID: QL-MW-60-GW-032624 — Lab Sample ID: 410-165398-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	2.4		0.20	0.090	mg/L	1		EPA 300.0 R2.1	Total/NA
Aluminum	16	J	25	12	ug/L	1		6020B	Total Recoverable
Barium	44		2.0	0.75	ug/L	1		6020B	Total Recoverable
Calcium	70000		120	50	ug/L	1		6020B	Total Recoverable
Cobalt	0.20	J	0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	0.67	J	1.0	0.36	ug/L	1		6020B	Total Recoverable
Iron	24	J	50	20	ug/L	1		6020B	Total Recoverable
Magnesium	16000		50	16	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: QL-MW-60-GW-032624 (Continued)
Lab Sample ID: 410-165398-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1200		200	65	ug/L	1		6020B	Total Recoverable
Selenium	0.50	J	1.0	0.28	ug/L	1		6020B	Total Recoverable
Sodium	77000		200	90	ug/L	1		6020B	Total Recoverable
Barium	43		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	72000		120	50	ug/L	1		6020B	Dissolved
Cobalt	0.30	J	0.50	0.16	ug/L	1		6020B	Dissolved
Iron	25	J	50	20	ug/L	1		6020B	Dissolved
Magnesium	16000		50	16	ug/L	1		6020B	Dissolved
Potassium	1200		200	65	ug/L	1		6020B	Dissolved
Selenium	0.47	J	1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	79000		200	90	ug/L	1		6020B	Dissolved
pH	7.4	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.3	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.8		1.0	0.30	ug/L	1		8260D	Total/NA
Aluminum	14	J	25	12	ug/L	1		6020B	Total Recoverable
Barium	36		2.0	0.75	ug/L	1		6020B	Total Recoverable
Calcium	70000		120	50	ug/L	1		6020B	Total Recoverable
Chromium	0.85	J	2.0	0.55	ug/L	1		6020B	Total Recoverable
Cobalt	0.39	J	0.50	0.16	ug/L	1		6020B	Total Recoverable
Iron	51		50	20	ug/L	1		6020B	Total Recoverable
Magnesium	8000		50	16	ug/L	1		6020B	Total Recoverable
Manganese	2.5		2.0	0.95	ug/L	1		6020B	Total Recoverable
Potassium	1600		200	65	ug/L	1		6020B	Total Recoverable
Selenium	0.64	J	1.0	0.28	ug/L	1		6020B	Total Recoverable
Sodium	92000		1000	450	ug/L	5		6020B	Total Recoverable
Zinc	4.5	J B	10	4.0	ug/L	1		6020B	Total Recoverable
Barium	36		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	70000		120	50	ug/L	1		6020B	Dissolved
Chromium	1.1	J	2.0	0.55	ug/L	1		6020B	Dissolved
Cobalt	0.40	J	0.50	0.16	ug/L	1		6020B	Dissolved
Iron	40	J	50	20	ug/L	1		6020B	Dissolved
Magnesium	7900		50	16	ug/L	1		6020B	Dissolved
Potassium	1600		200	65	ug/L	1		6020B	Dissolved
Selenium	0.72	J	1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	94000		1000	450	ug/L	5		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: QL-MW-52-GW-032624 (Continued)
Lab Sample ID: 410-165398-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.3	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.2	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA
Cyanide, Free	0.010		0.0060	0.0050	mg/L	1		OIA-1677	Total/NA

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibromochloromethane	0.77	J	1.0	0.20	ug/L	1		8260D	Total/NA
Chloroform	6.7		1.0	0.30	ug/L	1		8260D	Total/NA
Bromodichloromethane	2.2		1.0	0.20	ug/L	1		8260D	Total/NA
Fluoride	0.23		0.20	0.090	mg/L	1		EPA 300.0 R2.1	Total/NA
Aluminum	960		25	12	ug/L	1		6020B	Total Recoverable
Antimony	0.32	J	1.0	0.20	ug/L	1		6020B	Total Recoverable
Barium	43		2.0	0.75	ug/L	1		6020B	Total Recoverable
Calcium	86000		120	50	ug/L	1		6020B	Total Recoverable
Cobalt	0.27	J	0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	1.1		1.0	0.36	ug/L	1		6020B	Total Recoverable
Iron	740		50	20	ug/L	1		6020B	Total Recoverable
Lead	0.35	J	0.50	0.12	ug/L	1		6020B	Total Recoverable
Magnesium	12000		50	16	ug/L	1		6020B	Total Recoverable
Manganese	20		2.0	0.95	ug/L	1		6020B	Total Recoverable
Nickel	1.5		1.0	0.40	ug/L	1		6020B	Total Recoverable
Potassium	2000		200	65	ug/L	1		6020B	Total Recoverable
Sodium	13000		200	90	ug/L	1		6020B	Total Recoverable
Zinc	4.2	J B	10	4.0	ug/L	1		6020B	Total Recoverable
Vanadium	1.4	J	4.0	0.79	ug/L	1		6020B	Total Recoverable
Antimony	0.39	J	1.0	0.20	ug/L	1		6020B	Dissolved
Barium	39		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	87000		120	50	ug/L	1		6020B	Dissolved
Copper	2.1		1.0	0.36	ug/L	1		6020B	Dissolved
Iron	26	J	50	20	ug/L	1		6020B	Dissolved
Lead	0.14	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	12000		50	16	ug/L	1		6020B	Dissolved
Manganese	7.3		2.0	0.95	ug/L	1		6020B	Dissolved
Nickel	1.2		1.0	0.40	ug/L	1		6020B	Dissolved
Potassium	1900		200	65	ug/L	1		6020B	Dissolved
Selenium	0.30	J	1.0	0.28	ug/L	1		6020B	Dissolved
Sodium	13000		200	90	ug/L	1		6020B	Dissolved
Zinc	5.0	J	10	4.0	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: QL-GEI-07-20240326 (Continued)
Lab Sample ID: 410-165398-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.5	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.1	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA

Client Sample ID: QL-GEI-11-20240326
Lab Sample ID: 410-165398-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.30		0.20	0.090	mg/L	1		EPA 300.0 R2.1	Total/NA
Aluminum	53		25	12	ug/L	1		6020B	Total Recoverable
Barium	50		2.0	0.75	ug/L	1		6020B	Total Recoverable
Calcium	88000		120	50	ug/L	1		6020B	Total Recoverable
Cobalt	0.22	J	0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	0.53	J	1.0	0.36	ug/L	1		6020B	Total Recoverable
Iron	85		50	20	ug/L	1		6020B	Total Recoverable
Magnesium	9400		50	16	ug/L	1		6020B	Total Recoverable
Manganese	13		2.0	0.95	ug/L	1		6020B	Total Recoverable
Nickel	1.1		1.0	0.40	ug/L	1		6020B	Total Recoverable
Potassium	1900		200	65	ug/L	1		6020B	Total Recoverable
Sodium	9300		200	90	ug/L	1		6020B	Total Recoverable
Zinc	5.3	J B	10	4.0	ug/L	1		6020B	Total Recoverable
Barium	50		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	91000		600	250	ug/L	5		6020B	Dissolved
Cobalt	0.33	J	0.50	0.16	ug/L	1		6020B	Dissolved
Copper	2.0		1.0	0.36	ug/L	1		6020B	Dissolved
Iron	22	J	50	20	ug/L	1		6020B	Dissolved
Lead	0.14	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	9800		50	16	ug/L	1		6020B	Dissolved
Manganese	12		2.0	0.95	ug/L	1		6020B	Dissolved
Nickel	0.62	J	1.0	0.40	ug/L	1		6020B	Dissolved
Potassium	1900		200	65	ug/L	1		6020B	Dissolved
Sodium	9400		200	90	ug/L	1		6020B	Dissolved
Zinc	4.1	J	10	4.0	ug/L	1		6020B	Dissolved
pH	7.4	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.3	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA

Client Sample ID: QL-GEI-14-20240326
Lab Sample ID: 410-165398-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.18	J	0.20	0.090	mg/L	1		EPA 300.0 R2.1	Total/NA
Aluminum	16000		25	12	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: QL-GEI-14-20240326 (Continued)
Lab Sample ID: 410-165398-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.33	J	1.0	0.20	ug/L	1		6020B	Total Recoverable
Arsenic	5.6		2.0	0.68	ug/L	1		6020B	Total Recoverable
Barium	87		2.0	0.75	ug/L	1		6020B	Total Recoverable
Beryllium	0.79		0.50	0.12	ug/L	1		6020B	Total Recoverable
Calcium	110000	^3+	600	250	ug/L	5		6020B	Total Recoverable
Chromium	21		2.0	0.55	ug/L	1		6020B	Total Recoverable
Cobalt	10	^2	0.50	0.16	ug/L	1		6020B	Total Recoverable
Copper	17		1.0	0.36	ug/L	1		6020B	Total Recoverable
Iron	28000		50	20	ug/L	1		6020B	Total Recoverable
Lead	10		0.50	0.12	ug/L	1		6020B	Total Recoverable
Magnesium	13000		50	16	ug/L	1		6020B	Total Recoverable
Manganese	910		2.0	0.95	ug/L	1		6020B	Total Recoverable
Nickel	24		1.0	0.40	ug/L	1		6020B	Total Recoverable
Potassium	3100		200	65	ug/L	1		6020B	Total Recoverable
Sodium	11000		200	90	ug/L	1		6020B	Total Recoverable
Zinc	43		10	4.0	ug/L	1		6020B	Total Recoverable
Vanadium	23		4.0	0.79	ug/L	1		6020B	Total Recoverable
Barium	22		2.0	0.75	ug/L	1		6020B	Dissolved
Calcium	64000	^3+	120	50	ug/L	1		6020B	Dissolved
Cobalt	0.77		0.50	0.16	ug/L	1		6020B	Dissolved
Copper	1.1		1.0	0.36	ug/L	1		6020B	Dissolved
Lead	0.19	J	0.50	0.12	ug/L	1		6020B	Dissolved
Magnesium	5600		50	16	ug/L	1		6020B	Dissolved
Manganese	410		2.0	0.95	ug/L	1		6020B	Dissolved
Potassium	1400		200	65	ug/L	1		6020B	Dissolved
Sodium	9700		200	90	ug/L	1		6020B	Dissolved
pH	7.3	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.2	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	no	HF	0.01	0.01	NONE	1		9040C	Total/NA

Client Sample ID: TB-032624
Lab Sample ID: 410-165398-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-DA11-SW-20240325
Lab Sample ID: 410-165229-1
Date Collected: 03/25/24 10:10
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 18:33	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 18:33	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/27/24 18:33	1
Styrene	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/27/24 18:33	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/27/24 18:33	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/27/24 18:33	1
Toluene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/27/24 18:33	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/27/24 18:33	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/27/24 18:33	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/27/24 18:33	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/27/24 18:33	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/27/24 18:33	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
2-Hexanone	<0.85		10	0.85	ug/L			03/27/24 18:33	1
Acetone	<0.70		20	0.70	ug/L			03/27/24 18:33	1
Chloroform	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Benzene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/27/24 18:33	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1
Bromoform	<1.0		4.0	1.0	ug/L			03/27/24 18:33	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/27/24 18:33	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Trichlorofluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Freon 113	<0.30		10	0.30	ug/L			03/27/24 18:33	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/27/24 18:33	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:33	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/27/24 18:33	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/27/24 18:33	1

Client Sample ID: QL-DA11-SW-20240325
Lab Sample ID: 410-165229-1

Date Collected: 03/25/24 10:10
Matrix: Water
Date Received: 03/25/24 18:09

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/27/24 18:33*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/27/24 18:33*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/27/24 18:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/24 18:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Acenaphthylene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Anthracene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Benzo[a]anthracene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Benzo[a]pyrene	<0.12		0.53	0.12	ug/L		03/29/24 15:22	04/01/24 11:07	1
Benzo[b]fluoranthene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Benzo[g,h,i]perylene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Benzo[k]fluoranthene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Chrysene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Dibenz(a,h)anthracene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Fluoranthene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Fluorene	<0.13		0.53	0.13	ug/L		03/29/24 15:22	04/01/24 11:07	1
Indeno[1,2,3-cd]pyrene	<0.12		0.53	0.12	ug/L		03/29/24 15:22	04/01/24 11:07	1
Naphthalene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1
Phenanthrene	<0.12		0.53	0.12	ug/L		03/29/24 15:22	04/01/24 11:07	1
Pyrene	<0.11		0.53	0.11	ug/L		03/29/24 15:22	04/01/24 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*28 - 120*	*03/29/24 15:22*	*04/01/24 11:07*	*1*
Nitrobenzene-d5 (Surr)	*82*		*18 - 120*	*03/29/24 15:22*	*04/01/24 11:07*	*1*
p-Terphenyl-d14 (Surr)	*77*		*22 - 120*	*03/29/24 15:22*	*04/01/24 11:07*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*96*		*63 - 135*		*03/29/24 16:28*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<46		100	46	ug/L		03/27/24 08:27	03/28/24 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*77*		*32 - 125*	*03/27/24 08:27*	*03/28/24 18:40*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0021		0.021	0.0021	ug/L		03/27/24 08:32	03/27/24 15:57	1
alpha-BHC (1C)	<0.0031		0.021	0.0031	ug/L		03/27/24 08:32	03/27/24 15:57	1
alpha-Chlordane (1C)	<0.0031		0.021	0.0031	ug/L		03/27/24 08:32	03/27/24 15:57	1
beta-BHC (1C)	<0.012		0.031	0.012	ug/L		03/27/24 08:32	03/27/24 15:57	1
delta-BHC (1C)	<0.0036		0.021	0.0036	ug/L		03/27/24 08:32	03/27/24 15:57	1
Dieldrin (1C)	<0.0055		0.031	0.0055	ug/L		03/27/24 08:32	03/27/24 15:57	1
Endosulfan I (1C)	<0.0045		0.021	0.0045	ug/L		03/27/24 08:32	03/27/24 15:57	1

Client Sample ID: QL-DA11-SW-20240325 Lab Sample ID: 410-165229-1

Date Collected: 03/25/24 10:10 **Matrix: Water**
Date Received: 03/25/24 18:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II (1C)	<0.016		0.042	0.016	ug/L		03/27/24 08:32	03/27/24 15:57	1
Endosulfan sulfate (1C)	<0.0061		0.031	0.0061	ug/L		03/27/24 08:32	03/27/24 15:57	1
Endrin (1C)	<0.0085		0.031	0.0085	ug/L		03/27/24 08:32	03/27/24 15:57	1
Endrin aldehyde (1C)	<0.021		0.10	0.021	ug/L		03/27/24 08:32	03/27/24 15:57	1
Endrin ketone (1C)	<0.0052		0.031	0.0052	ug/L		03/27/24 08:32	03/27/24 15:57	1
gamma-BHC (Lindane) (1C)	<0.0021		0.021	0.0021	ug/L		03/27/24 08:32	03/27/24 15:57	1
gamma-Chlordane (1C)	<0.0073		0.042	0.0073	ug/L		03/27/24 08:32	03/27/24 15:57	1
Heptachlor (1C)	<0.0021		0.021	0.0021	ug/L		03/27/24 08:32	03/27/24 15:57	1
Heptachlor epoxide (1C)	<0.0024		0.021	0.0024	ug/L		03/27/24 08:32	03/27/24 15:57	1
Methoxychlor (1C)	<0.031		0.12	0.031	ug/L		03/27/24 08:32	03/27/24 15:57	1
Toxaphene (1C)	<0.31		1.0	0.31	ug/L		03/27/24 08:32	03/27/24 15:57	1
p,p'-DDD (1C)	<0.0052		0.031	0.0052	ug/L		03/27/24 08:32	03/27/24 15:57	1
p,p'-DDE (1C)	<0.0052		0.031	0.0052	ug/L		03/27/24 08:32	03/27/24 15:57	1
p,p'-DDT (1C)	<0.0054		0.031	0.0054	ug/L		03/27/24 08:32	03/27/24 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*46*		*20 - 149*	*03/27/24 08:32*	*03/27/24 15:57*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*47*		*20 - 149*	*03/27/24 08:32*	*03/27/24 15:57*	*1*
Tetrachloro-m-xylene (1C)	*55*		*20 - 129*	*03/27/24 08:32*	*03/27/24 15:57*	*1*
Tetrachloro-m-xylene (2C)	*54*		*20 - 129*	*03/27/24 08:32*	*03/27/24 15:57*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:20	1
PCB-1221 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:20	1
PCB-1232 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:20	1
PCB-1242 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:20	1
PCB-1248 (1C)	<0.082		0.52	0.082	ug/L		03/27/24 08:36	03/27/24 22:20	1
PCB-1254 (1C)	<0.082		0.52	0.082	ug/L		03/27/24 08:36	03/27/24 22:20	1
PCB-1260 (1C)	<0.082		0.52	0.082	ug/L		03/27/24 08:36	03/27/24 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*45*		*10 - 148*	*03/27/24 08:36*	*03/27/24 22:20*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*53*		*10 - 148*	*03/27/24 08:36*	*03/27/24 22:20*	*1*
Tetrachloro-m-xylene (1C)	*58*		*33 - 137*	*03/27/24 08:36*	*03/27/24 22:20*	*1*
Tetrachloro-m-xylene (2C)	*60*		*33 - 137*	*03/27/24 08:36*	*03/27/24 22:20*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.062		0.14	0.062	ug/L		03/27/24 16:15	03/28/24 11:01	1
Silvex (2,4,5-TP) (1C)	<0.021		0.048	0.021	ug/L		03/27/24 16:15	03/28/24 11:01	1
2,4-D (1C)	<0.24		0.57	0.24	ug/L		03/27/24 16:15	03/28/24 11:01	1
2,4-DB (1C)	<0.60		1.4	0.60	ug/L		03/27/24 16:15	03/28/24 11:01	1
Dichlorprop (1C)	<0.15		0.48	0.15	ug/L		03/27/24 16:15	03/28/24 11:01	1
Dalapon (1C)	<5.4		12	5.4	ug/L		03/27/24 16:15	03/28/24 11:01	1
Dicamba (1C)	<0.26		0.52	0.26	ug/L		03/27/24 16:15	03/28/24 11:01	1
Dinoseb (1C)	<0.27		0.57	0.27	ug/L		03/27/24 16:15	03/28/24 11:01	1
MCPP (1C)	<48		190	48	ug/L		03/27/24 16:15	03/28/24 11:01	1
MCPA (1C)	<48		190	48	ug/L		03/27/24 16:15	03/28/24 11:01	1
Pentachlorophenol (1C)	<0.026		0.067	0.026	ug/L		03/27/24 16:15	03/28/24 11:01	1

Client Sample ID: QL-DA11-SW-20240325
Lab Sample ID: 410-165229-1

Date Collected: 03/25/24 10:10
Matrix: Water
Date Received: 03/25/24 18:09

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*77*		*34 - 142*	*03/27/24 16:15*	*03/28/24 11:01*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*89*		*34 - 142*	*03/27/24 16:15*	*03/28/24 11:01*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			03/26/24 15:12	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.58**	**J**	1.0	0.45	mg/L			03/26/24 19:33	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**720**		25	12	ug/L		03/26/24 22:35	03/28/24 09:39	1
Antimony	<0.20		1.0	0.20	ug/L		03/26/24 22:35	03/28/24 09:39	1
Arsenic	<0.68		2.0	0.68	ug/L		03/26/24 22:35	03/28/24 09:39	1
Barium	**12**		2.0	0.75	ug/L		03/26/24 22:35	03/28/24 09:39	1
Beryllium	<0.12		0.50	0.12	ug/L		03/26/24 22:35	03/28/24 09:39	1
Cadmium	<0.15		0.50	0.15	ug/L		03/26/24 22:35	03/28/24 09:39	1
Calcium	**21000**		120	50	ug/L		03/26/24 22:35	03/28/24 09:39	1
Chromium	**0.60**	**J**	2.0	0.55	ug/L		03/26/24 22:35	03/28/24 09:39	1
Cobalt	**0.34**	**J**	0.50	0.16	ug/L		03/26/24 22:35	04/02/24 10:15	1
Copper	**1.1**		1.0	0.36	ug/L		03/26/24 22:35	03/28/24 09:39	1
Iron	**670**		50	20	ug/L		03/26/24 22:35	03/28/24 09:39	1
Lead	**0.35**	**J**	0.50	0.12	ug/L		03/26/24 22:35	03/28/24 09:39	1
Magnesium	**2500**	**^2**	50	16	ug/L		03/26/24 22:35	03/28/24 09:39	1
Manganese	**13**		2.0	0.95	ug/L		03/26/24 22:35	03/28/24 09:39	1
Nickel	**0.78**	**J**	1.0	0.40	ug/L		03/26/24 22:35	03/28/24 09:39	1
Potassium	**1800**		200	65	ug/L		03/26/24 22:35	03/28/24 09:39	1
Selenium	<0.28		1.0	0.28	ug/L		03/26/24 22:35	03/28/24 09:39	1
Silver	<0.10		0.50	0.10	ug/L		03/26/24 22:35	03/28/24 09:39	1
Sodium	**3400**		200	90	ug/L		03/26/24 22:35	04/02/24 10:15	1
Thallium	<0.13		0.50	0.13	ug/L		03/26/24 22:35	03/28/24 09:39	1
Zinc	<4.0		10	4.0	ug/L		04/03/24 22:10	04/04/24 09:07	1
Vanadium	**1.1**	**J**	4.0	0.79	ug/L		03/26/24 22:35	03/28/24 09:39	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13**	**J**	25	12	ug/L		03/27/24 08:19	03/28/24 15:53	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 08:19	03/28/24 15:53	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 08:19	03/28/24 15:53	1
Barium	**9.4**		2.0	0.75	ug/L		03/27/24 08:19	03/28/24 15:53	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 08:19	03/28/24 15:53	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 08:19	03/28/24 15:53	1
Calcium	**22000**	**^2**	120	50	ug/L		03/27/24 08:19	03/28/24 15:53	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 08:19	03/28/24 15:53	1
Cobalt	<0.16		0.50	0.16	ug/L		03/27/24 08:19	03/28/24 15:53	1
Copper	**1.8**		1.0	0.36	ug/L		03/27/24 08:19	03/28/24 15:53	1
Iron	**45**	**J**	50	20	ug/L		03/27/24 08:19	03/28/24 15:53	1

Client Sample ID: QL-DA11-SW-20240325 Lab Sample ID: 410-165229-1

Date Collected: 03/25/24 10:10 **Matrix: Water**
Date Received: 03/25/24 18:09

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.14**	**J**	0.50	0.12	ug/L		03/27/24 08:19	03/28/24 15:53	1
Magnesium	**2500**		50	16	ug/L		03/27/24 08:19	03/28/24 15:53	1
Manganese	**3.6**		2.0	0.95	ug/L		03/27/24 08:19	04/01/24 10:02	1
Nickel	**0.43**	**J**	1.0	0.40	ug/L		03/27/24 08:19	03/28/24 15:53	1
Potassium	**1800**		200	65	ug/L		03/27/24 08:19	03/28/24 15:53	1
Selenium	<0.28		1.0	0.28	ug/L		03/27/24 08:19	03/28/24 15:53	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 08:19	03/28/24 15:53	1
Sodium	**3200**	**^2**	200	90	ug/L		03/27/24 08:19	03/28/24 15:53	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 08:19	03/28/24 15:53	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 08:19	03/28/24 15:53	1
Zinc	**7.1**	**J B**	10	4.0	ug/L		03/27/24 08:19	04/01/24 10:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		03/28/24 09:45	03/29/24 11:03	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		03/28/24 09:45	03/29/24 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.4**	**HF**	0.01	0.01	S.U.			04/01/24 07:46	1
Temperature (SW846 9040C)	**20.4**	**HF**	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	**no**	**HF**	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	<0.0050	F1	0.0060	0.0050	mg/L			04/01/24 17:05	1

Client Sample ID: QL-DA2-SW-20240325 Lab Sample ID: 410-165229-2

Date Collected: 03/25/24 11:20 **Matrix: Water**
Date Received: 03/25/24 18:09

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 18:56	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 18:56	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/27/24 18:56	1
Styrene	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/27/24 18:56	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/27/24 18:56	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/27/24 18:56	1
Toluene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/27/24 18:56	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/27/24 18:56	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/27/24 18:56	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/27/24 18:56	1

Client Sample ID: QL-DA2-SW-20240325 Lab Sample ID: 410-165229-2

Date Collected: 03/25/24 11:20 **Matrix: Water**
Date Received: 03/25/24 18:09

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/27/24 18:56	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/27/24 18:56	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
2-Hexanone	<0.85		10	0.85	ug/L			03/27/24 18:56	1
Acetone	<0.70		20	0.70	ug/L			03/27/24 18:56	1
Chloroform	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Benzene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/27/24 18:56	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1
Bromoform	<1.0		4.0	1.0	ug/L			03/27/24 18:56	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/27/24 18:56	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Trichlorofluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Freon 113	<0.30		10	0.30	ug/L			03/27/24 18:56	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/27/24 18:56	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/27/24 18:56	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/27/24 18:56	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/27/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/27/24 18:56*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/27/24 18:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/27/24 18:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/24 18:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Acenaphthylene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Anthracene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Benzo[a]anthracene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Benzo[a]pyrene	<0.11		0.51	0.11	ug/L		03/29/24 15:22	04/01/24 11:28	1
Benzo[b]fluoranthene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Benzo[g,h,i]perylene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Benzo[k]fluoranthene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Chrysene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Dibenz(a,h)anthracene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Fluoranthene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2
Date Collected: 03/25/24 11:20
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.12		0.51	0.12	ug/L		03/29/24 15:22	04/01/24 11:28	1
Indeno[1,2,3-cd]pyrene	<0.11		0.51	0.11	ug/L		03/29/24 15:22	04/01/24 11:28	1
Naphthalene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1
Phenanthrene	<0.11		0.51	0.11	ug/L		03/29/24 15:22	04/01/24 11:28	1
Pyrene	<0.10		0.51	0.10	ug/L		03/29/24 15:22	04/01/24 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*28 - 120*	*03/29/24 15:22*	*04/01/24 11:28*	*1*
Nitrobenzene-d5 (Surr)	*83*		*18 - 120*	*03/29/24 15:22*	*04/01/24 11:28*	*1*
p-Terphenyl-d14 (Surr)	*56*		*22 - 120*	*03/29/24 15:22*	*04/01/24 11:28*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*100*		*63 - 135*		*03/29/24 16:53*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<46		100	46	ug/L		03/27/24 08:27	03/28/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*50*		*32 - 125*	*03/27/24 08:27*	*03/28/24 19:03*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0021		0.021	0.0021	ug/L		03/27/24 08:32	03/27/24 16:11	1
alpha-BHC (2C)	<0.0031		0.021	0.0031	ug/L		03/27/24 08:32	03/27/24 16:11	1
alpha-Chlordane (1C)	<0.0031		0.021	0.0031	ug/L		03/27/24 08:32	03/27/24 16:11	1
beta-BHC (1C)	<0.011		0.031	0.011	ug/L		03/27/24 08:32	03/27/24 16:11	1
delta-BHC (1C)	<0.0035		0.021	0.0035	ug/L		03/27/24 08:32	03/27/24 16:11	1
Dieldrin (1C)	<0.0055		0.031	0.0055	ug/L		03/27/24 08:32	03/27/24 16:11	1
Endosulfan I (1C)	<0.0045		0.021	0.0045	ug/L		03/27/24 08:32	03/27/24 16:11	1
Endosulfan II (1C)	<0.016		0.041	0.016	ug/L		03/27/24 08:32	03/27/24 16:11	1
Endosulfan sulfate (1C)	<0.0060		0.031	0.0060	ug/L		03/27/24 08:32	03/27/24 16:11	1
Endrin (1C)	<0.0084		0.031	0.0084	ug/L		03/27/24 08:32	03/27/24 16:11	1
Endrin aldehyde (1C)	<0.021		0.10	0.021	ug/L		03/27/24 08:32	03/27/24 16:11	1
Endrin ketone (1C)	<0.0052		0.031	0.0052	ug/L		03/27/24 08:32	03/27/24 16:11	1
gamma-BHC (Lindane) (1C)	<0.0021		0.021	0.0021	ug/L		03/27/24 08:32	03/27/24 16:11	1
gamma-Chlordane (1C)	<0.0072		0.041	0.0072	ug/L		03/27/24 08:32	03/27/24 16:11	1
Heptachlor (1C)	<0.0021		0.021	0.0021	ug/L		03/27/24 08:32	03/27/24 16:11	1
Heptachlor epoxide (1C)	<0.0024		0.021	0.0024	ug/L		03/27/24 08:32	03/27/24 16:11	1
Methoxychlor (1C)	<0.031		0.11	0.031	ug/L		03/27/24 08:32	03/27/24 16:11	1
Toxaphene (1C)	<0.31		1.0	0.31	ug/L		03/27/24 08:32	03/27/24 16:11	1
p,p'-DDD (1C)	<0.0052		0.031	0.0052	ug/L		03/27/24 08:32	03/27/24 16:11	1
p,p'-DDE (2C)	<0.0052		0.031	0.0052	ug/L		03/27/24 08:32	03/27/24 16:11	1
p,p'-DDT (1C)	<0.0054		0.031	0.0054	ug/L		03/27/24 08:32	03/27/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*55*		*20 - 149*	*03/27/24 08:32*	*03/27/24 16:11*	*1*

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2

Date Collected: 03/25/24 11:20
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (2C)	*56*		*20 - 149*	*03/27/24 08:32*	*03/27/24 16:11*	*1*
Tetrachloro-m-xylene (1C)	*60*		*20 - 129*	*03/27/24 08:32*	*03/27/24 16:11*	*1*
Tetrachloro-m-xylene (2C)	*58*		*20 - 129*	*03/27/24 08:32*	*03/27/24 16:11*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:31	1
PCB-1221 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:31	1
PCB-1232 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:31	1
PCB-1242 (1C)	<0.10		0.52	0.10	ug/L		03/27/24 08:36	03/27/24 22:31	1
PCB-1248 (1C)	<0.081		0.52	0.081	ug/L		03/27/24 08:36	03/27/24 22:31	1
PCB-1254 (1C)	<0.081		0.52	0.081	ug/L		03/27/24 08:36	03/27/24 22:31	1
PCB-1260 (1C)	<0.081		0.52	0.081	ug/L		03/27/24 08:36	03/27/24 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*55*		*10 - 148*	*03/27/24 08:36*	*03/27/24 22:31*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*65*		*10 - 148*	*03/27/24 08:36*	*03/27/24 22:31*	*1*
Tetrachloro-m-xylene (1C)	*62*		*33 - 137*	*03/27/24 08:36*	*03/27/24 22:31*	*1*
Tetrachloro-m-xylene (2C)	*64*		*33 - 137*	*03/27/24 08:36*	*03/27/24 22:31*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.061		0.14	0.061	ug/L		03/27/24 16:15	03/28/24 11:30	1
Silvex (2,4,5-TP) (1C)	<0.021		0.047	0.021	ug/L		03/27/24 16:15	03/28/24 11:30	1
2,4-D (1C)	<0.24		0.57	0.24	ug/L		03/27/24 16:15	03/28/24 11:30	1
2,4-DB (1C)	<0.59		1.4	0.59	ug/L		03/27/24 16:15	03/28/24 11:30	1
Dichlorprop (1C)	<0.15		0.47	0.15	ug/L		03/27/24 16:15	03/28/24 11:30	1
Dalapon (1C)	<5.4		12	5.4	ug/L		03/27/24 16:15	03/28/24 11:30	1
Dicamba (1C)	<0.25		0.52	0.25	ug/L		03/27/24 16:15	03/28/24 11:30	1
Dinoseb (1C)	<0.26		0.57	0.26	ug/L		03/27/24 16:15	03/28/24 11:30	1
MCPP (1C)	<47		190	47	ug/L		03/27/24 16:15	03/28/24 11:30	1
MCPA (1C)	<47		190	47	ug/L		03/27/24 16:15	03/28/24 11:30	1
Pentachlorophenol (1C)	<0.025		0.066	0.025	ug/L		03/27/24 16:15	03/28/24 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*81*		*34 - 142*	*03/27/24 16:15*	*03/28/24 11:30*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*96*		*34 - 142*	*03/27/24 16:15*	*03/28/24 11:30*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			03/26/24 15:31	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.68**	**J**	1.0	0.45	mg/L			03/26/24 20:33	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**280**		25	12	ug/L		03/26/24 22:35	03/28/24 09:41	1

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2

Date Collected: 03/25/24 11:20
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.20		1.0	0.20	ug/L		03/26/24 22:35	03/28/24 09:41	1
Arsenic	<0.68		2.0	0.68	ug/L		03/26/24 22:35	03/28/24 09:41	1
Barium	**19**		2.0	0.75	ug/L		03/26/24 22:35	03/28/24 09:41	1
Beryllium	<0.12		0.50	0.12	ug/L		03/26/24 22:35	03/28/24 09:41	1
Cadmium	<0.15		0.50	0.15	ug/L		03/26/24 22:35	03/28/24 09:41	1
Calcium	**36000**		120	50	ug/L		03/26/24 22:35	03/28/24 09:41	1
Chromium	<0.55		2.0	0.55	ug/L		03/26/24 22:35	03/28/24 09:41	1
Cobalt	**0.26**	**J**	0.50	0.16	ug/L		03/26/24 22:35	04/02/24 10:17	1
Copper	**1.6**		1.0	0.36	ug/L		03/26/24 22:35	03/28/24 09:41	1
Iron	**390**		50	20	ug/L		03/26/24 22:35	03/28/24 09:41	1
Lead	**0.32**	**J**	0.50	0.12	ug/L		03/26/24 22:35	03/28/24 09:41	1
Magnesium	**6100**	**^2**	50	16	ug/L		03/26/24 22:35	03/28/24 09:41	1
Manganese	**21**		2.0	0.95	ug/L		03/26/24 22:35	03/28/24 09:41	1
Nickel	<0.40		1.0	0.40	ug/L		03/26/24 22:35	03/28/24 09:41	1
Potassium	**2200**		200	65	ug/L		03/26/24 22:35	03/28/24 09:41	1
Selenium	<0.28		1.0	0.28	ug/L		03/26/24 22:35	03/28/24 09:41	1
Silver	<0.10		0.50	0.10	ug/L		03/26/24 22:35	03/28/24 09:41	1
Sodium	**10000**		200	90	ug/L		03/26/24 22:35	04/02/24 10:17	1
Thallium	<0.13		0.50	0.13	ug/L		03/26/24 22:35	03/28/24 09:41	1
Zinc	<4.0		10	4.0	ug/L		04/03/24 22:10	04/04/24 09:09	1
Vanadium	<0.79		4.0	0.79	ug/L		03/26/24 22:35	03/28/24 09:41	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**23**	**J**	25	12	ug/L		03/27/24 08:19	03/28/24 15:55	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 08:19	03/28/24 15:55	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 08:19	03/28/24 15:55	1
Barium	**19**		2.0	0.75	ug/L		03/27/24 08:19	03/28/24 15:55	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 08:19	03/28/24 15:55	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 08:19	03/28/24 15:55	1
Calcium	**38000**	**^2**	120	50	ug/L		03/27/24 08:19	03/28/24 15:55	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 08:19	03/28/24 15:55	1
Cobalt	**0.18**	**J**	0.50	0.16	ug/L		03/27/24 08:19	03/28/24 15:55	1
Copper	**2.8**		1.0	0.36	ug/L		03/27/24 08:19	03/28/24 15:55	1
Iron	**59**		50	20	ug/L		03/27/24 08:19	03/28/24 15:55	1
Lead	**0.20**	**J**	0.50	0.12	ug/L		03/27/24 08:19	03/28/24 15:55	1
Magnesium	**6400**		50	16	ug/L		03/27/24 08:19	03/28/24 15:55	1
Manganese	**7.1**		2.0	0.95	ug/L		03/27/24 08:19	04/01/24 10:04	1
Nickel	<0.40		1.0	0.40	ug/L		03/27/24 08:19	03/28/24 15:55	1
Potassium	**2200**		200	65	ug/L		03/27/24 08:19	03/28/24 15:55	1
Selenium	<0.28		1.0	0.28	ug/L		03/27/24 08:19	03/28/24 15:55	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 08:19	03/28/24 15:55	1
Sodium	**10000**	**^2**	200	90	ug/L		03/27/24 08:19	03/28/24 15:55	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 08:19	03/28/24 15:55	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 08:19	03/28/24 15:55	1
Zinc	**7.6**	**J B**	10	4.0	ug/L		03/27/24 08:19	04/01/24 10:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		03/28/24 09:45	03/29/24 11:10	1

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2
Date Collected: 03/25/24 11:20
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	J	0.20	0.079	ug/L		03/28/24 09:45	03/29/24 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.8	HF	0.01	0.01	S.U.			04/01/24 07:46	1
Temperature (SW846 9040C)	20.4	HF	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	no	HF	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	<0.0050		0.0060	0.0050	mg/L			04/01/24 17:12	1

Client Sample ID: TB-032524
Lab Sample ID: 410-165229-3
Date Collected: 03/25/24 00:00
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 19:18	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 19:18	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/27/24 19:18	1
Styrene	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/27/24 19:18	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/27/24 19:18	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/27/24 19:18	1
Toluene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/27/24 19:18	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/27/24 19:18	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/27/24 19:18	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/27/24 19:18	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/27/24 19:18	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/27/24 19:18	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
2-Hexanone	<0.85		10	0.85	ug/L			03/27/24 19:18	1
Acetone	<0.70		20	0.70	ug/L			03/27/24 19:18	1
Chloroform	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Benzene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/27/24 19:18	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1
Bromoform	<1.0		4.0	1.0	ug/L			03/27/24 19:18	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/27/24 19:18	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1

Client Sample ID: TB-032524
Lab Sample ID: 410-165229-3

Date Collected: 03/25/24 00:00
Matrix: Water
Date Received: 03/25/24 18:09

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Trichlorofluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Freon 113	<0.30		10	0.30	ug/L			03/27/24 19:18	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/27/24 19:18	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/27/24 19:18	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/27/24 19:18	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/27/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*03/27/24 19:18*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/27/24 19:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/27/24 19:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/24 19:18*	*1*

Client Sample ID: QL-MW-60-GW-032624
Lab Sample ID: 410-165398-1

Date Collected: 03/26/24 12:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 15:35	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 15:35	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 15:35	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 15:35	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 15:35	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 15:35	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 15:35	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/28/24 15:35	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 15:35	1
Tetrachloroethene	**1.9**		1.0	0.30	ug/L			03/28/24 15:35	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 15:35	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 15:35	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 15:35	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 15:35	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 15:35	1
Chloroform	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1

Client Sample ID: QL-MW-60-GW-032624
Lab Sample ID: 410-165398-1
Date Collected: 03/26/24 12:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 15:35	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 15:35	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/28/24 15:35	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Trichlorofluoromethane	<0.30	cn	1.0	0.30	ug/L			03/28/24 15:35	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 15:35	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/28/24 15:35	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:35	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 15:35	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/28/24 15:35*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/28/24 15:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/28/24 15:35*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/28/24 15:35*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Acenaphthylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Benzo[a]anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Benzo[a]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 12:35	1
Benzo[b]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Benzo[g,h,i]perylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Benzo[k]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Chrysene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Dibenz(a,h)anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Fluorene	<0.12		0.51	0.12	ug/L		03/28/24 15:37	03/29/24 12:35	1
Indeno[1,2,3-cd]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 12:35	1
Naphthalene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1
Phenanthrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 12:35	1
Pyrene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:35	1

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Matrix: Water
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Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*28 - 120*	*03/28/24 15:37*	*03/29/24 12:35*	*1*
Nitrobenzene-d5 (Surr)	*73*		*18 - 120*	*03/28/24 15:37*	*03/29/24 12:35*	*1*
p-Terphenyl-d14 (Surr)	*82*		*22 - 120*	*03/28/24 15:37*	*03/29/24 12:35*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*97*		*63 - 135*		*03/29/24 16:31*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<45	*+ *1 cn	100	45	ug/L		03/29/24 15:32	03/30/24 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*47*		*32 - 125*	*03/29/24 15:32*	*03/30/24 02:27*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:13	1
alpha-BHC (1C)	<0.0031		0.020	0.0031	ug/L		03/29/24 08:27	04/01/24 03:13	1
alpha-Chlordane (1C)	<0.0031		0.020	0.0031	ug/L		03/29/24 08:27	04/01/24 03:13	1
beta-BHC (1C)	<0.011		0.031	0.011	ug/L		03/29/24 08:27	04/01/24 03:13	1
delta-BHC (1C)	<0.0035		0.020	0.0035	ug/L		03/29/24 08:27	04/01/24 03:13	1
Dieldrin (1C)	<0.0054		0.031	0.0054	ug/L		03/29/24 08:27	04/01/24 03:13	1
Endosulfan I (1C)	<0.0044		0.020	0.0044	ug/L		03/29/24 08:27	04/01/24 03:13	1
Endosulfan II (1C)	<0.015		0.041	0.015	ug/L		03/29/24 08:27	04/01/24 03:13	1
Endosulfan sulfate (1C)	<0.0059		0.031	0.0059	ug/L		03/29/24 08:27	04/01/24 03:13	1
Endrin (1C)	<0.0083		0.031	0.0083	ug/L		03/29/24 08:27	04/01/24 03:13	1
Endrin aldehyde (1C)	<0.020		0.10	0.020	ug/L		03/29/24 08:27	04/01/24 03:13	1
Endrin ketone (1C)	<0.0051		0.031	0.0051	ug/L		03/29/24 08:27	04/01/24 03:13	1
gamma-BHC (Lindane) (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:13	1
gamma-Chlordane (1C)	<0.0071		0.041	0.0071	ug/L		03/29/24 08:27	04/01/24 03:13	1
Heptachlor (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:13	1
Heptachlor epoxide (1C)	<0.0023		0.020	0.0023	ug/L		03/29/24 08:27	04/01/24 03:13	1
Methoxychlor (1C)	<0.031		0.11	0.031	ug/L		03/29/24 08:27	04/01/24 03:13	1
Toxaphene (1C)	<0.31		1.0	0.31	ug/L		03/29/24 08:27	04/01/24 03:13	1
p,p'-DDD (1C)	<0.0051		0.031	0.0051	ug/L		03/29/24 08:27	04/01/24 03:13	1
p,p'-DDE (1C)	<0.0051		0.031	0.0051	ug/L		03/29/24 08:27	04/01/24 03:13	1
p,p'-DDT (1C)	<0.0053		0.031	0.0053	ug/L		03/29/24 08:27	04/01/24 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*49*		*20 - 149*	*03/29/24 08:27*	*04/01/24 03:13*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*48*		*20 - 149*	*03/29/24 08:27*	*04/01/24 03:13*	*1*
Tetrachloro-m-xylene (1C)	*51*		*20 - 129*	*03/29/24 08:27*	*04/01/24 03:13*	*1*
Tetrachloro-m-xylene (2C)	*47*		*20 - 129*	*03/29/24 08:27*	*04/01/24 03:13*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:19	1
PCB-1221 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:19	1

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Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:19	1
PCB-1242 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:19	1
PCB-1248 (1C)	<0.080		0.51	0.080	ug/L		03/29/24 08:23	03/29/24 22:19	1
PCB-1254 (1C)	<0.080		0.51	0.080	ug/L		03/29/24 08:23	03/29/24 22:19	1
PCB-1260 (1C)	<0.080		0.51	0.080	ug/L		03/29/24 08:23	03/29/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*70*		*10 - 148*	*03/29/24 08:23*	*03/29/24 22:19*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*69*		*10 - 148*	*03/29/24 08:23*	*03/29/24 22:19*	*1*
Tetrachloro-m-xylene (1C)	*67*		*33 - 137*	*03/29/24 08:23*	*03/29/24 22:19*	*1*
Tetrachloro-m-xylene (2C)	*65*		*33 - 137*	*03/29/24 08:23*	*03/29/24 22:19*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.063		0.14	0.063	ug/L		03/29/24 15:45	04/01/24 07:45	1
Silvex (2,4,5-TP) (1C)	<0.021		0.048	0.021	ug/L		03/29/24 15:45	04/01/24 07:45	1
2,4-D (1C)	<0.24		0.58	0.24	ug/L		03/29/24 15:45	04/01/24 07:45	1
2,4-DB (1C)	<0.61		1.4	0.61	ug/L		03/29/24 15:45	04/01/24 07:45	1
Dichlorprop (1C)	<0.15		0.48	0.15	ug/L		03/29/24 15:45	04/01/24 07:45	1
Dalapon (1C)	<5.5		12	5.5	ug/L		03/29/24 15:45	04/01/24 07:45	1
Dicamba (1C)	<0.26		0.53	0.26	ug/L		03/29/24 15:45	04/01/24 07:45	1
Dinoseb (1C)	<0.27	*1	0.58	0.27	ug/L		03/29/24 15:45	04/01/24 07:45	1
MCPP (1C)	<48		190	48	ug/L		03/29/24 15:45	04/01/24 07:45	1
MCPA (1C)	<48		190	48	ug/L		03/29/24 15:45	04/01/24 07:45	1
Pentachlorophenol (1C)	<0.026		0.067	0.026	ug/L		03/29/24 15:45	04/01/24 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*59*		*34 - 142*	*03/29/24 15:45*	*04/01/24 07:45*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*53*		*34 - 142*	*03/29/24 15:45*	*04/01/24 07:45*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			04/01/24 13:56	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**2.4**		0.20	0.090	mg/L			04/02/24 00:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16**	**J**	25	12	ug/L		03/27/24 21:30	03/28/24 17:22	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 21:30	03/28/24 17:22	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 21:30	03/28/24 17:22	1
Barium	**44**		2.0	0.75	ug/L		03/27/24 21:30	03/28/24 17:22	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:22	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 21:30	03/28/24 17:22	1
Calcium	**70000**		120	50	ug/L		03/27/24 21:30	03/28/24 17:22	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 21:30	03/28/24 17:22	1
Cobalt	**0.20**	**J**	0.50	0.16	ug/L		03/27/24 21:30	03/28/24 17:22	1

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Date Collected: 03/26/24 12:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**0.67**	**J**	1.0	0.36	ug/L		03/27/24 21:30	03/28/24 17:22	1
Iron	**24**	**J**	50	20	ug/L		03/27/24 21:30	03/28/24 17:22	1
Lead	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:22	1
Magnesium	**16000**		50	16	ug/L		03/27/24 21:30	03/28/24 17:22	1
Manganese	<0.95		2.0	0.95	ug/L		03/27/24 21:30	03/28/24 17:22	1
Nickel	<0.40		1.0	0.40	ug/L		03/27/24 21:30	03/28/24 17:22	1
Potassium	**1200**		200	65	ug/L		03/27/24 21:30	03/28/24 17:22	1
Selenium	**0.50**	**J**	1.0	0.28	ug/L		03/27/24 21:30	03/28/24 17:22	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 21:30	03/28/24 17:22	1
Sodium	**77000**		200	90	ug/L		03/27/24 21:30	03/28/24 17:22	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 21:30	03/28/24 17:22	1
Zinc	<4.0		10	4.0	ug/L		03/27/24 21:30	03/28/24 17:22	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 21:30	03/28/24 17:22	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 08:05	04/01/24 17:18	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 08:05	04/01/24 17:18	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 08:05	04/01/24 17:18	1
Barium	**43**		2.0	0.75	ug/L		03/29/24 08:05	04/01/24 17:18	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:18	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 08:05	04/01/24 17:18	1
Calcium	**72000**		120	50	ug/L		03/29/24 08:05	04/01/24 17:18	1
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 08:05	04/01/24 17:18	1
Cobalt	**0.30**	**J**	0.50	0.16	ug/L		03/29/24 08:05	04/01/24 17:18	1
Copper	<0.36		1.0	0.36	ug/L		03/29/24 08:05	04/01/24 17:18	1
Iron	**25**	**J**	50	20	ug/L		03/29/24 08:05	04/01/24 17:18	1
Lead	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:18	1
Magnesium	**16000**		50	16	ug/L		03/29/24 08:05	04/01/24 17:18	1
Manganese	<0.95		2.0	0.95	ug/L		03/29/24 08:05	04/01/24 18:21	1
Nickel	<0.40		1.0	0.40	ug/L		03/29/24 08:05	04/02/24 08:02	1
Potassium	**1200**		200	65	ug/L		03/29/24 08:05	04/01/24 17:18	1
Selenium	**0.47**	**J**	1.0	0.28	ug/L		03/29/24 08:05	04/01/24 17:18	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 08:05	04/01/24 17:18	1
Sodium	**79000**		200	90	ug/L		03/29/24 08:05	04/01/24 17:18	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 08:05	04/01/24 17:18	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 08:05	04/01/24 17:18	1
Zinc	<4.0		10	4.0	ug/L		03/29/24 08:05	04/01/24 17:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:07	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.4**	**HF**	0.01	0.01	S.U.			04/01/24 07:46	1

Client Sample ID: QL-MW-60-GW-032624 Lab Sample ID: 410-165398-1

Date Collected: 03/26/24 12:20 **Matrix: Water**
Date Received: 03/26/24 18:50

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SW846 9040C)	**20.3**	**HF**	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	**no**	**HF**	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	<0.0050		0.0060	0.0050	mg/L			04/01/24 17:15	1

Client Sample ID: QL-MW-52-GW-032624 Lab Sample ID: 410-165398-2

Date Collected: 03/26/24 13:58 **Matrix: Water**
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 15:57	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 15:57	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 15:57	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 15:57	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 15:57	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 15:57	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 15:57	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/28/24 15:57	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 15:57	1
Tetrachloroethene	**2.8**		1.0	0.30	ug/L			03/28/24 15:57	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 15:57	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 15:57	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 15:57	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 15:57	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 15:57	1
Chloroform	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 15:57	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 15:57	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/28/24 15:57	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Trichlorofluoromethane	<0.30	cn	1.0	0.30	ug/L			03/28/24 15:57	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 15:57	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2
Date Collected: 03/26/24 13:58
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	<0.50	cn	10	0.50	ug/L			03/28/24 15:57	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 15:57	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 15:57	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/28/24 15:57*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/28/24 15:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/28/24 15:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/28/24 15:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Acenaphthylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Benzo[a]anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Benzo[a]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 12:55	1
Benzo[b]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Benzo[g,h,i]perylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Benzo[k]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Chrysene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Dibenz(a,h)anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Fluorene	<0.12		0.51	0.12	ug/L		03/28/24 15:37	03/29/24 12:55	1
Indeno[1,2,3-cd]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 12:55	1
Naphthalene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1
Phenanthrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 12:55	1
Pyrene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*28 - 120*	*03/28/24 15:37*	*03/29/24 12:55*	*1*
Nitrobenzene-d5 (Surr)	*85*		*18 - 120*	*03/28/24 15:37*	*03/29/24 12:55*	*1*
p-Terphenyl-d14 (Surr)	*90*		*22 - 120*	*03/28/24 15:37*	*03/29/24 12:55*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*97*		*63 - 135*		*03/29/24 16:57*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<45	*+ *1 cn	100	45	ug/L		03/29/24 15:32	03/30/24 02:50	1

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2

Date Collected: 03/26/24 13:58
Matrix: Water
Date Received: 03/26/24 18:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	77		32 - 125	03/29/24 15:32	03/30/24 02:50	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:28	1
alpha-BHC (1C)	<0.0030		0.020	0.0030	ug/L		03/29/24 08:27	04/01/24 03:28	1
alpha-Chlordane (1C)	<0.0030		0.020	0.0030	ug/L		03/29/24 08:27	04/01/24 03:28	1
beta-BHC (1C)	<0.011		0.030	0.011	ug/L		03/29/24 08:27	04/01/24 03:28	1
delta-BHC (1C)	<0.0034		0.020	0.0034	ug/L		03/29/24 08:27	04/01/24 03:28	1
Dieldrin (1C)	<0.0054		0.030	0.0054	ug/L		03/29/24 08:27	04/01/24 03:28	1
Endosulfan I (1C)	<0.0043		0.020	0.0043	ug/L		03/29/24 08:27	04/01/24 03:28	1
Endosulfan II (1C)	<0.015		0.040	0.015	ug/L		03/29/24 08:27	04/01/24 03:28	1
Endosulfan sulfate (1C)	<0.0059		0.030	0.0059	ug/L		03/29/24 08:27	04/01/24 03:28	1
Endrin (1C)	<0.0082		0.030	0.0082	ug/L		03/29/24 08:27	04/01/24 03:28	1
Endrin aldehyde (1C)	<0.020		0.10	0.020	ug/L		03/29/24 08:27	04/01/24 03:28	1
Endrin ketone (1C)	<0.0051		0.030	0.0051	ug/L		03/29/24 08:27	04/01/24 03:28	1
gamma-BHC (Lindane) (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:28	1
gamma-Chlordane (1C)	<0.0071		0.040	0.0071	ug/L		03/29/24 08:27	04/01/24 03:28	1
Heptachlor (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:28	1
Heptachlor epoxide (1C)	<0.0023		0.020	0.0023	ug/L		03/29/24 08:27	04/01/24 03:28	1
Methoxychlor (1C)	<0.030		0.11	0.030	ug/L		03/29/24 08:27	04/01/24 03:28	1
Toxaphene (1C)	<0.30		1.0	0.30	ug/L		03/29/24 08:27	04/01/24 03:28	1
p,p'-DDD (1C)	<0.0051		0.030	0.0051	ug/L		03/29/24 08:27	04/01/24 03:28	1
p,p'-DDE (1C)	<0.0051		0.030	0.0051	ug/L		03/29/24 08:27	04/01/24 03:28	1
p,p'-DDT (1C)	<0.0053		0.030	0.0053	ug/L		03/29/24 08:27	04/01/24 03:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	37		20 - 149	03/29/24 08:27	04/01/24 03:28	1
DCB Decachlorobiphenyl (Surr) (2C)	37		20 - 149	03/29/24 08:27	04/01/24 03:28	1
Tetrachloro-m-xylene (1C)	40		20 - 129	03/29/24 08:27	04/01/24 03:28	1
Tetrachloro-m-xylene (2C)	36		20 - 129	03/29/24 08:27	04/01/24 03:28	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:30	1
PCB-1221 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:30	1
PCB-1232 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:30	1
PCB-1242 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:30	1
PCB-1248 (1C)	<0.079		0.51	0.079	ug/L		03/29/24 08:23	03/29/24 22:30	1
PCB-1254 (1C)	<0.079		0.51	0.079	ug/L		03/29/24 08:23	03/29/24 22:30	1
PCB-1260 (1C)	<0.079		0.51	0.079	ug/L		03/29/24 08:23	03/29/24 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	67		10 - 148	03/29/24 08:23	03/29/24 22:30	1
DCB Decachlorobiphenyl (Surr) (2C)	67		10 - 148	03/29/24 08:23	03/29/24 22:30	1
Tetrachloro-m-xylene (1C)	65		33 - 137	03/29/24 08:23	03/29/24 22:30	1
Tetrachloro-m-xylene (2C)	64		33 - 137	03/29/24 08:23	03/29/24 22:30	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.061		0.14	0.061	ug/L		03/29/24 15:45	04/01/24 08:19	1

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2

Date Collected: 03/26/24 13:58
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP) (1C)	<0.021		0.047	0.021	ug/L		03/29/24 15:45	04/01/24 08:19	1
2,4-D (1C)	<0.24		0.57	0.24	ug/L		03/29/24 15:45	04/01/24 08:19	1
2,4-DB (1C)	<0.60		1.4	0.60	ug/L		03/29/24 15:45	04/01/24 08:19	1
Dichlorprop (1C)	<0.15		0.47	0.15	ug/L		03/29/24 15:45	04/01/24 08:19	1
Dalapon (1C)	<5.4		12	5.4	ug/L		03/29/24 15:45	04/01/24 08:19	1
Dicamba (1C)	<0.26		0.52	0.26	ug/L		03/29/24 15:45	04/01/24 08:19	1
Dinoseb (1C)	<0.26	*1	0.57	0.26	ug/L		03/29/24 15:45	04/01/24 08:19	1
MCPP (1C)	<47		190	47	ug/L		03/29/24 15:45	04/01/24 08:19	1
MCPA (1C)	<47		190	47	ug/L		03/29/24 15:45	04/01/24 08:19	1
Pentachlorophenol (1C)	<0.026		0.066	0.026	ug/L		03/29/24 15:45	04/01/24 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*62*		*34 - 142*	*03/29/24 15:45*	*04/01/24 08:19*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*58*		*34 - 142*	*03/29/24 15:45*	*04/01/24 08:19*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			04/01/24 14:15	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.45	F1	1.0	0.45	mg/L			04/01/24 23:39	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14**	**J**	25	12	ug/L		03/27/24 21:30	03/28/24 17:20	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 21:30	03/28/24 17:20	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 21:30	03/28/24 17:20	1
Barium	**36**		2.0	0.75	ug/L		03/27/24 21:30	03/28/24 17:20	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:20	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 21:30	03/28/24 17:20	1
Calcium	**70000**		120	50	ug/L		03/27/24 21:30	03/28/24 17:20	1
Chromium	**0.85**	**J**	2.0	0.55	ug/L		03/27/24 21:30	03/28/24 17:20	1
Cobalt	**0.39**	**J**	0.50	0.16	ug/L		03/27/24 21:30	03/28/24 17:20	1
Copper	<0.36		1.0	0.36	ug/L		03/27/24 21:30	03/28/24 17:20	1
Iron	**51**		50	20	ug/L		03/27/24 21:30	03/28/24 17:20	1
Lead	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:20	1
Magnesium	**8000**		50	16	ug/L		03/27/24 21:30	03/28/24 17:20	1
Manganese	**2.5**		2.0	0.95	ug/L		03/27/24 21:30	03/28/24 17:20	1
Nickel	<0.40		1.0	0.40	ug/L		03/27/24 21:30	03/28/24 17:20	1
Potassium	**1600**		200	65	ug/L		03/27/24 21:30	03/28/24 17:20	1
Selenium	**0.64**	**J**	1.0	0.28	ug/L		03/27/24 21:30	03/28/24 17:20	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 21:30	03/28/24 17:20	1
Sodium	**92000**		1000	450	ug/L		03/27/24 21:30	03/28/24 18:02	5
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 21:30	03/28/24 17:20	1
Zinc	**4.5**	**J B**	10	4.0	ug/L		03/27/24 21:30	03/28/24 17:20	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 21:30	03/28/24 17:20	1

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2

Date Collected: 03/26/24 13:58
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 08:05	04/01/24 17:16	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 08:05	04/01/24 17:16	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 08:05	04/01/24 17:16	1
Barium	**36**		2.0	0.75	ug/L		03/29/24 08:05	04/01/24 17:16	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:16	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 08:05	04/01/24 17:16	1
Calcium	**70000**		120	50	ug/L		03/29/24 08:05	04/01/24 17:16	1
Chromium	**1.1**	**J**	2.0	0.55	ug/L		03/29/24 08:05	04/01/24 17:16	1
Cobalt	**0.40**	**J**	0.50	0.16	ug/L		03/29/24 08:05	04/01/24 17:16	1
Copper	<0.36		1.0	0.36	ug/L		03/29/24 08:05	04/02/24 08:00	1
Iron	**40**	**J**	50	20	ug/L		03/29/24 08:05	04/01/24 17:16	1
Lead	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:16	1
Magnesium	**7900**		50	16	ug/L		03/29/24 08:05	04/01/24 17:16	1
Manganese	<0.95		2.0	0.95	ug/L		03/29/24 08:05	04/02/24 08:00	1
Nickel	<0.40		1.0	0.40	ug/L		03/29/24 08:05	04/01/24 18:19	1
Potassium	**1600**		200	65	ug/L		03/29/24 08:05	04/01/24 17:16	1
Selenium	**0.72**	**J**	1.0	0.28	ug/L		03/29/24 08:05	04/01/24 17:16	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 08:05	04/01/24 17:16	1
Sodium	**94000**		1000	450	ug/L		03/29/24 08:05	04/01/24 17:56	5
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 08:05	04/01/24 17:16	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 08:05	04/01/24 17:16	1
Zinc	<4.0		10	4.0	ug/L		03/29/24 08:05	04/01/24 17:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:27	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.3**	**HF**	0.01	0.01	S.U.			04/01/24 07:46	1
Temperature (SW846 9040C)	**20.2**	**HF**	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	**no**	**HF**	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	**0.010**		0.0060	0.0050	mg/L			04/01/24 17:17	1

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3

Date Collected: 03/26/24 10:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 16:19	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 16:19	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 16:19	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 16:19	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3
Date Collected: 03/26/24 10:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 16:19	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 16:19	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 16:19	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1
Dibromochloromethane	**0.77**	**J**	1.0	0.20	ug/L			03/28/24 16:19	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 16:19	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 16:19	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 16:19	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 16:19	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 16:19	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 16:19	1
Chloroform	**6.7**		1.0	0.30	ug/L			03/28/24 16:19	1
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 16:19	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 16:19	1
Bromodichloromethane	**2.2**		1.0	0.20	ug/L			03/28/24 16:19	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Trichlorofluoromethane	<0.30	cn	1.0	0.30	ug/L			03/28/24 16:19	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 16:19	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/28/24 16:19	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:19	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 16:19	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/28/24 16:19*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/28/24 16:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/28/24 16:19*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/28/24 16:19*	*1*

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3

Date Collected: 03/26/24 10:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Acenaphthylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Benzo[a]anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Benzo[a]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 13:16	1
Benzo[b]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Benzo[g,h,i]perylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Benzo[k]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Chrysene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Dibenz(a,h)anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Fluorene	<0.12		0.51	0.12	ug/L		03/28/24 15:37	03/29/24 13:16	1
Indeno[1,2,3-cd]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 13:16	1
Naphthalene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1
Phenanthrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 13:16	1
Pyrene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*28 - 120*	*03/28/24 15:37*	*03/29/24 13:16*	*1*
Nitrobenzene-d5 (Surr)	*86*		*18 - 120*	*03/28/24 15:37*	*03/29/24 13:16*	*1*
p-Terphenyl-d14 (Surr)	*86*		*22 - 120*	*03/28/24 15:37*	*03/29/24 13:16*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*97*		*63 - 135*		*03/29/24 17:22*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<47	*+ *1 cn	100	47	ug/L		03/29/24 15:32	03/30/24 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*77*		*32 - 125*	*03/29/24 15:32*	*03/30/24 03:12*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:42	1
alpha-BHC (1C)	<0.0030		0.020	0.0030	ug/L		03/29/24 08:27	04/01/24 03:42	1
alpha-Chlordane (1C)	<0.0030		0.020	0.0030	ug/L		03/29/24 08:27	04/01/24 03:42	1
beta-BHC (1C)	<0.011		0.030	0.011	ug/L		03/29/24 08:27	04/01/24 03:42	1
delta-BHC (1C)	<0.0035		0.020	0.0035	ug/L		03/29/24 08:27	04/01/24 03:42	1
Dieldrin (1C)	<0.0054		0.030	0.0054	ug/L		03/29/24 08:27	04/01/24 03:42	1
Endosulfan I (1C)	<0.0044		0.020	0.0044	ug/L		03/29/24 08:27	04/01/24 03:42	1
Endosulfan II (1C)	<0.015		0.041	0.015	ug/L		03/29/24 08:27	04/01/24 03:42	1
Endosulfan sulfate (1C)	<0.0059		0.030	0.0059	ug/L		03/29/24 08:27	04/01/24 03:42	1
Endrin (1C)	<0.0082		0.030	0.0082	ug/L		03/29/24 08:27	04/01/24 03:42	1
Endrin aldehyde (1C)	<0.020		0.10	0.020	ug/L		03/29/24 08:27	04/01/24 03:42	1
Endrin ketone (1C)	<0.0051		0.030	0.0051	ug/L		03/29/24 08:27	04/01/24 03:42	1
gamma-BHC (Lindane) (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:42	1

Client Sample ID: QL-GEI-07-20240326 Lab Sample ID: 410-165398-3

Date Collected: 03/26/24 10:20 **Matrix: Water**
Date Received: 03/26/24 18:50

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane (1C)	<0.0071		0.041	0.0071	ug/L		03/29/24 08:27	04/01/24 03:42	1
Heptachlor (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 03:42	1
Heptachlor epoxide (1C)	<0.0023		0.020	0.0023	ug/L		03/29/24 08:27	04/01/24 03:42	1
Methoxychlor (1C)	<0.030		0.11	0.030	ug/L		03/29/24 08:27	04/01/24 03:42	1
Toxaphene (1C)	<0.30		1.0	0.30	ug/L		03/29/24 08:27	04/01/24 03:42	1
p,p'-DDD (1C)	<0.0051		0.030	0.0051	ug/L		03/29/24 08:27	04/01/24 03:42	1
p,p'-DDE (1C)	<0.0051		0.030	0.0051	ug/L		03/29/24 08:27	04/01/24 03:42	1
p,p'-DDT (1C)	<0.0053		0.030	0.0053	ug/L		03/29/24 08:27	04/01/24 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*62*		*20 - 149*	*03/29/24 08:27*	*04/01/24 03:42*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*59*		*20 - 149*	*03/29/24 08:27*	*04/01/24 03:42*	*1*
Tetrachloro-m-xylene (1C)	*65*		*20 - 129*	*03/29/24 08:27*	*04/01/24 03:42*	*1*
Tetrachloro-m-xylene (2C)	*59*		*20 - 129*	*03/29/24 08:27*	*04/01/24 03:42*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:40	1
PCB-1221 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:40	1
PCB-1232 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:40	1
PCB-1242 (1C)	<0.10		0.51	0.10	ug/L		03/29/24 08:23	03/29/24 22:40	1
PCB-1248 (1C)	<0.079		0.51	0.079	ug/L		03/29/24 08:23	03/29/24 22:40	1
PCB-1254 (1C)	<0.079		0.51	0.079	ug/L		03/29/24 08:23	03/29/24 22:40	1
PCB-1260 (1C)	<0.079		0.51	0.079	ug/L		03/29/24 08:23	03/29/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*51*		*10 - 148*	*03/29/24 08:23*	*03/29/24 22:40*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*48*		*10 - 148*	*03/29/24 08:23*	*03/29/24 22:40*	*1*
Tetrachloro-m-xylene (1C)	*51*		*33 - 137*	*03/29/24 08:23*	*03/29/24 22:40*	*1*
Tetrachloro-m-xylene (2C)	*47*		*33 - 137*	*03/29/24 08:23*	*03/29/24 22:40*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.063		0.14	0.063	ug/L		03/29/24 15:45	04/01/24 08:53	1
Silvex (2,4,5-TP) (1C)	<0.021		0.048	0.021	ug/L		03/29/24 15:45	04/01/24 08:53	1
2,4-D (1C)	<0.24		0.58	0.24	ug/L		03/29/24 15:45	04/01/24 08:53	1
2,4-DB (1C)	<0.61		1.4	0.61	ug/L		03/29/24 15:45	04/01/24 08:53	1
Dichlorprop (1C)	<0.15		0.48	0.15	ug/L		03/29/24 15:45	04/01/24 08:53	1
Dalapon (1C)	<5.5		12	5.5	ug/L		03/29/24 15:45	04/01/24 08:53	1
Dicamba (1C)	<0.26		0.53	0.26	ug/L		03/29/24 15:45	04/01/24 08:53	1
Dinoseb (1C)	<0.27	*1	0.58	0.27	ug/L		03/29/24 15:45	04/01/24 08:53	1
MCPP (1C)	<48		190	48	ug/L		03/29/24 15:45	04/01/24 08:53	1
MCPA (1C)	<48		190	48	ug/L		03/29/24 15:45	04/01/24 08:53	1
Pentachlorophenol (1C)	<0.026		0.068	0.026	ug/L		03/29/24 15:45	04/01/24 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*67*		*34 - 142*	*03/29/24 15:45*	*04/01/24 08:53*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*63*		*34 - 142*	*03/29/24 15:45*	*04/01/24 08:53*	*1*

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3

Date Collected: 03/26/24 10:20
Matrix: Water
Date Received: 03/26/24 18:50

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			04/01/24 14:22	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.23**		0.20	0.090	mg/L			04/02/24 00:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**960**		25	12	ug/L		03/27/24 21:30	03/28/24 17:46	1
Antimony	**0.32**	**J**	1.0	0.20	ug/L		03/27/24 21:30	03/28/24 17:46	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 21:30	03/28/24 17:46	1
Barium	**43**		2.0	0.75	ug/L		03/27/24 21:30	03/28/24 17:46	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:46	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 21:30	03/28/24 17:46	1
Calcium	**86000**		120	50	ug/L		03/27/24 21:30	03/28/24 17:46	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 21:30	03/28/24 17:46	1
Cobalt	**0.27**	**J**	0.50	0.16	ug/L		03/27/24 21:30	03/28/24 17:46	1
Copper	**1.1**		1.0	0.36	ug/L		03/27/24 21:30	03/28/24 17:46	1
Iron	**740**		50	20	ug/L		03/27/24 21:30	03/28/24 17:46	1
Lead	**0.35**	**J**	0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:46	1
Magnesium	**12000**		50	16	ug/L		03/27/24 21:30	03/28/24 17:46	1
Manganese	**20**		2.0	0.95	ug/L		03/27/24 21:30	03/28/24 17:46	1
Nickel	**1.5**		1.0	0.40	ug/L		03/27/24 21:30	04/02/24 16:38	1
Potassium	**2000**		200	65	ug/L		03/27/24 21:30	03/28/24 17:46	1
Selenium	<0.28		1.0	0.28	ug/L		03/27/24 21:30	03/28/24 17:46	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 21:30	03/28/24 17:46	1
Sodium	**13000**		200	90	ug/L		03/27/24 21:30	03/28/24 17:46	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 21:30	03/28/24 17:46	1
Zinc	**4.2**	**J B**	10	4.0	ug/L		03/27/24 21:30	03/28/24 17:46	1
Vanadium	**1.4**	**J**	4.0	0.79	ug/L		03/27/24 21:30	03/28/24 17:46	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 08:05	04/01/24 17:20	1
Antimony	**0.39**	**J**	1.0	0.20	ug/L		03/29/24 08:05	04/01/24 17:20	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 08:05	04/01/24 17:20	1
Barium	**39**		2.0	0.75	ug/L		03/29/24 08:05	04/01/24 17:20	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:20	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 08:05	04/01/24 17:20	1
Calcium	**87000**		120	50	ug/L		03/29/24 08:05	04/01/24 17:20	1
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 08:05	04/01/24 17:20	1
Cobalt	<0.16		0.50	0.16	ug/L		03/29/24 08:05	04/01/24 17:20	1
Copper	**2.1**		1.0	0.36	ug/L		04/03/24 22:10	04/04/24 09:11	1
Iron	**26**	**J**	50	20	ug/L		03/29/24 08:05	04/01/24 17:20	1
Lead	**0.14**	**J**	0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:20	1
Magnesium	**12000**		50	16	ug/L		03/29/24 08:05	04/01/24 17:20	1
Manganese	**7.3**		2.0	0.95	ug/L		03/29/24 08:05	04/01/24 18:23	1
Nickel	**1.2**		1.0	0.40	ug/L		04/03/24 22:10	04/04/24 09:11	1
Potassium	**1900**		200	65	ug/L		03/29/24 08:05	04/01/24 17:20	1
Selenium	**0.30**	**J**	1.0	0.28	ug/L		03/29/24 08:05	04/01/24 17:20	1

Client Sample ID: QL-GEI-07-20240326 — Lab Sample ID: 410-165398-3

Date Collected: 03/26/24 10:20 — **Matrix: Water**
Date Received: 03/26/24 18:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.10		0.50	0.10	ug/L		03/29/24 08:05	04/01/24 17:20	1
Sodium	**13000**		200	90	ug/L		03/29/24 08:05	04/01/24 17:20	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 08:05	04/01/24 17:20	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 08:05	04/01/24 17:20	1
Zinc	**5.0**	**J**	10	4.0	ug/L		03/29/24 08:05	04/01/24 17:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:23	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.5**	**HF**	0.01	0.01	S.U.			04/01/24 07:46	1
Temperature (SW846 9040C)	**20.1**	**HF**	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	**no**	**HF**	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	<0.0050		0.0060	0.0050	mg/L			04/01/24 17:20	1

Client Sample ID: QL-GEI-11-20240326 — Lab Sample ID: 410-165398-4

Date Collected: 03/26/24 12:16 — **Matrix: Water**
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 16:42	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 16:42	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 16:42	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 16:42	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 16:42	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 16:42	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 16:42	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/28/24 16:42	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 16:42	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 16:42	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 16:42	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 16:42	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 16:42	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 16:42	1
Chloroform	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1

Client Sample ID: QL-GEI-11-20240326
Lab Sample ID: 410-165398-4
Date Collected: 03/26/24 12:16
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 16:42	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 16:42	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/28/24 16:42	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Trichlorofluoromethane	<0.30	cn	1.0	0.30	ug/L			03/28/24 16:42	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 16:42	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/28/24 16:42	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 16:42	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 16:42	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/28/24 16:42*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/28/24 16:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/28/24 16:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/28/24 16:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Acenaphthylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Benzo[a]anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Benzo[a]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 13:36	1
Benzo[b]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Benzo[g,h,i]perylene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Benzo[k]fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Chrysene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Dibenz(a,h)anthracene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Fluoranthene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Fluorene	<0.12		0.51	0.12	ug/L		03/28/24 15:37	03/29/24 13:36	1
Indeno[1,2,3-cd]pyrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 13:36	1
Naphthalene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1
Phenanthrene	<0.11		0.51	0.11	ug/L		03/28/24 15:37	03/29/24 13:36	1
Pyrene	<0.10		0.51	0.10	ug/L		03/28/24 15:37	03/29/24 13:36	1

Client Sample ID: QL-GEI-11-20240326 Lab Sample ID: 410-165398-4

Date Collected: 03/26/24 12:16 **Matrix: Water**
Date Received: 03/26/24 18:50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*28 - 120*	*03/28/24 15:37*	*03/29/24 13:36*	*1*
Nitrobenzene-d5 (Surr)	*77*		*18 - 120*	*03/28/24 15:37*	*03/29/24 13:36*	*1*
p-Terphenyl-d14 (Surr)	*85*		*22 - 120*	*03/28/24 15:37*	*03/29/24 13:36*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*98*		*63 - 135*		*03/29/24 17:47*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<46	*+ *1 cn	100	46	ug/L		03/29/24 15:32	03/30/24 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*75*		*32 - 125*	*03/29/24 15:32*	*03/30/24 03:35*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0021		0.021	0.0021	ug/L		03/29/24 08:27	04/01/24 03:57	1
alpha-BHC (1C)	<0.0032		0.021	0.0032	ug/L		03/29/24 08:27	04/01/24 03:57	1
alpha-Chlordane (1C)	<0.0032		0.021	0.0032	ug/L		03/29/24 08:27	04/01/24 03:57	1
beta-BHC (1C)	<0.012		0.032	0.012	ug/L		03/29/24 08:27	04/01/24 03:57	1
delta-BHC (1C)	<0.0036		0.021	0.0036	ug/L		03/29/24 08:27	04/01/24 03:57	1
Dieldrin (1C)	<0.0056		0.032	0.0056	ug/L		03/29/24 08:27	04/01/24 03:57	1
Endosulfan I (1C)	<0.0045		0.021	0.0045	ug/L		03/29/24 08:27	04/01/24 03:57	1
Endosulfan II (1C)	<0.016		0.042	0.016	ug/L		03/29/24 08:27	04/01/24 03:57	1
Endosulfan sulfate (1C)	<0.0061		0.032	0.0061	ug/L		03/29/24 08:27	04/01/24 03:57	1
Endrin (1C)	<0.0085		0.032	0.0085	ug/L		03/29/24 08:27	04/01/24 03:57	1
Endrin aldehyde (1C)	<0.021		0.11	0.021	ug/L		03/29/24 08:27	04/01/24 03:57	1
Endrin ketone (1C)	<0.0053		0.032	0.0053	ug/L		03/29/24 08:27	04/01/24 03:57	1
gamma-BHC (Lindane) (1C)	<0.0021		0.021	0.0021	ug/L		03/29/24 08:27	04/01/24 03:57	1
gamma-Chlordane (1C)	<0.0074		0.042	0.0074	ug/L		03/29/24 08:27	04/01/24 03:57	1
Heptachlor (1C)	<0.0021		0.021	0.0021	ug/L		03/29/24 08:27	04/01/24 03:57	1
Heptachlor epoxide (1C)	<0.0024		0.021	0.0024	ug/L		03/29/24 08:27	04/01/24 03:57	1
Methoxychlor (1C)	<0.032		0.12	0.032	ug/L		03/29/24 08:27	04/01/24 03:57	1
Toxaphene (1C)	<0.32		1.1	0.32	ug/L		03/29/24 08:27	04/01/24 03:57	1
p,p'-DDD (1C)	<0.0053		0.032	0.0053	ug/L		03/29/24 08:27	04/01/24 03:57	1
p,p'-DDE (1C)	<0.0053		0.032	0.0053	ug/L		03/29/24 08:27	04/01/24 03:57	1
p,p'-DDT (1C)	<0.0055		0.032	0.0055	ug/L		03/29/24 08:27	04/01/24 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*80*		*20 - 149*	*03/29/24 08:27*	*04/01/24 03:57*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*79*		*20 - 149*	*03/29/24 08:27*	*04/01/24 03:57*	*1*
Tetrachloro-m-xylene (1C)	*67*		*20 - 129*	*03/29/24 08:27*	*04/01/24 03:57*	*1*
Tetrachloro-m-xylene (2C)	*61*		*20 - 129*	*03/29/24 08:27*	*04/01/24 03:57*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.11		0.53	0.11	ug/L		03/29/24 08:23	03/29/24 22:51	1
PCB-1221 (1C)	<0.11		0.53	0.11	ug/L		03/29/24 08:23	03/29/24 22:51	1

Client Sample ID: QL-GEI-11-20240326
Lab Sample ID: 410-165398-4

Date Collected: 03/26/24 12:16
Matrix: Water

Date Received: 03/26/24 18:50

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232 (1C)	<0.11		0.53	0.11	ug/L		03/29/24 08:23	03/29/24 22:51	1
PCB-1242 (1C)	<0.11		0.53	0.11	ug/L		03/29/24 08:23	03/29/24 22:51	1
PCB-1248 (1C)	<0.082		0.53	0.082	ug/L		03/29/24 08:23	03/29/24 22:51	1
PCB-1254 (1C)	<0.082		0.53	0.082	ug/L		03/29/24 08:23	03/29/24 22:51	1
PCB-1260 (1C)	<0.082		0.53	0.082	ug/L		03/29/24 08:23	03/29/24 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*68*		*10 - 148*	*03/29/24 08:23*	*03/29/24 22:51*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*64*		*10 - 148*	*03/29/24 08:23*	*03/29/24 22:51*	*1*
Tetrachloro-m-xylene (1C)	*52*		*33 - 137*	*03/29/24 08:23*	*03/29/24 22:51*	*1*
Tetrachloro-m-xylene (2C)	*50*		*33 - 137*	*03/29/24 08:23*	*03/29/24 22:51*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.065		0.15	0.065	ug/L		03/29/24 15:45	04/01/24 09:27	1
Silvex (2,4,5-TP) (1C)	<0.022		0.050	0.022	ug/L		03/29/24 15:45	04/01/24 09:27	1
2,4-D (1C)	<0.25		0.60	0.25	ug/L		03/29/24 15:45	04/01/24 09:27	1
2,4-DB (1C)	<0.63		1.5	0.63	ug/L		03/29/24 15:45	04/01/24 09:27	1
Dichlorprop (1C)	<0.16		0.50	0.16	ug/L		03/29/24 15:45	04/01/24 09:27	1
Dalapon (1C)	<5.7		12	5.7	ug/L		03/29/24 15:45	04/01/24 09:27	1
Dicamba (1C)	<0.27		0.55	0.27	ug/L		03/29/24 15:45	04/01/24 09:27	1
Dinoseb (1C)	<0.28	*1	0.60	0.28	ug/L		03/29/24 15:45	04/01/24 09:27	1
MCPP (1C)	<50		200	50	ug/L		03/29/24 15:45	04/01/24 09:27	1
MCPA (1C)	<50		200	50	ug/L		03/29/24 15:45	04/01/24 09:27	1
Pentachlorophenol (1C)	<0.027		0.070	0.027	ug/L		03/29/24 15:45	04/01/24 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*58*		*34 - 142*	*03/29/24 15:45*	*04/01/24 09:27*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*53*		*34 - 142*	*03/29/24 15:45*	*04/01/24 09:27*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0	cn	10	5.0	ug/L			04/01/24 14:28	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.30**		0.20	0.090	mg/L			04/02/24 00:41	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**53**		25	12	ug/L		03/27/24 21:30	03/28/24 17:28	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 21:30	03/28/24 17:28	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 21:30	03/28/24 17:28	1
Barium	**50**		2.0	0.75	ug/L		03/27/24 21:30	03/28/24 17:28	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:28	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 21:30	03/28/24 17:28	1
Calcium	**88000**		120	50	ug/L		03/27/24 21:30	03/28/24 17:28	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 21:30	03/28/24 17:28	1
Cobalt	**0.22**	**J**	0.50	0.16	ug/L		03/27/24 21:30	03/28/24 17:28	1

Client Sample ID: QL-GEI-11-20240326
Lab Sample ID: 410-165398-4

Date Collected: 03/26/24 12:16
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**0.53**	**J**	1.0	0.36	ug/L		03/27/24 21:30	03/28/24 17:28	1
Iron	**85**		50	20	ug/L		03/27/24 21:30	03/28/24 17:28	1
Lead	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 17:28	1
Magnesium	**9400**		50	16	ug/L		03/27/24 21:30	03/28/24 17:28	1
Manganese	**13**		2.0	0.95	ug/L		03/27/24 21:30	03/28/24 17:28	1
Nickel	**1.1**		1.0	0.40	ug/L		03/27/24 21:30	04/02/24 16:32	1
Potassium	**1900**		200	65	ug/L		03/27/24 21:30	03/28/24 17:28	1
Selenium	<0.28		1.0	0.28	ug/L		03/27/24 21:30	03/28/24 17:28	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 21:30	03/28/24 17:28	1
Sodium	**9300**		200	90	ug/L		03/27/24 21:30	03/28/24 17:28	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 21:30	03/28/24 17:28	1
Zinc	**5.3**	**J B**	10	4.0	ug/L		03/27/24 21:30	03/28/24 17:28	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 21:30	03/28/24 17:28	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 08:05	04/01/24 17:14	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 08:05	04/01/24 17:14	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 08:05	04/01/24 17:14	1
Barium	**50**		2.0	0.75	ug/L		03/29/24 08:05	04/01/24 17:14	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:14	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 08:05	04/01/24 17:14	1
Calcium	**91000**		600	250	ug/L		03/29/24 08:05	04/01/24 17:54	5
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 08:05	04/01/24 17:14	1
Cobalt	**0.33**	**J**	0.50	0.16	ug/L		03/29/24 08:05	04/01/24 17:14	1
Copper	**2.0**		1.0	0.36	ug/L		04/03/24 22:10	04/04/24 09:13	1
Iron	**22**	**J**	50	20	ug/L		03/29/24 08:05	04/01/24 17:14	1
Lead	**0.14**	**J**	0.50	0.12	ug/L		03/29/24 08:05	04/01/24 17:14	1
Magnesium	**9800**		50	16	ug/L		03/29/24 08:05	04/01/24 17:14	1
Manganese	**12**		2.0	0.95	ug/L		03/29/24 08:05	04/01/24 18:17	1
Nickel	**0.62**	**J**	1.0	0.40	ug/L		04/03/24 22:10	04/04/24 09:13	1
Potassium	**1900**		200	65	ug/L		03/29/24 08:05	04/01/24 17:14	1
Selenium	<0.28		1.0	0.28	ug/L		03/29/24 08:05	04/01/24 17:14	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 08:05	04/01/24 17:14	1
Sodium	**9400**		200	90	ug/L		03/29/24 08:05	04/01/24 17:14	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 08:05	04/01/24 17:14	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 08:05	04/01/24 17:14	1
Zinc	**4.1**	**J**	10	4.0	ug/L		03/29/24 08:05	04/01/24 17:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:09	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.4**	**HF**	0.01	0.01	S.U.			04/01/24 07:46	1

Client Sample ID: QL-GEI-11-20240326 Lab Sample ID: 410-165398-4

Date Collected: 03/26/24 12:16 **Matrix: Water**
Date Received: 03/26/24 18:50

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Temperature (SW846 9040C)	20.3	HF	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	no	HF	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	<0.0050		0.0060	0.0050	mg/L			04/01/24 17:25	1

Client Sample ID: QL-GEI-14-20240326 Lab Sample ID: 410-165398-5

Date Collected: 03/26/24 15:35 **Matrix: Water**
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 17:04	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 17:04	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 17:04	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 17:04	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 17:04	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 17:04	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 17:04	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/28/24 17:04	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 17:04	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 17:04	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 17:04	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 17:04	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 17:04	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 17:04	1
Chloroform	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 17:04	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 17:04	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/28/24 17:04	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Trichlorofluoromethane	<0.30	cn	1.0	0.30	ug/L			03/28/24 17:04	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 17:04	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1

Client Sample ID: QL-GEI-14-20240326
Lab Sample ID: 410-165398-5
Date Collected: 03/26/24 15:35
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	<0.50	cn	10	0.50	ug/L			03/28/24 17:04	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:04	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 17:04	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/28/24 17:04*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/28/24 17:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/28/24 17:04*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/28/24 17:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Acenaphthylene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Anthracene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Benzo[a]anthracene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Benzo[a]pyrene	<0.11		0.52	0.11	ug/L		03/28/24 15:37	03/29/24 13:56	1
Benzo[b]fluoranthene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Benzo[g,h,i]perylene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Benzo[k]fluoranthene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Chrysene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Dibenz(a,h)anthracene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Fluoranthene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Fluorene	<0.12		0.52	0.12	ug/L		03/28/24 15:37	03/29/24 13:56	1
Indeno[1,2,3-cd]pyrene	<0.11		0.52	0.11	ug/L		03/28/24 15:37	03/29/24 13:56	1
Naphthalene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1
Phenanthrene	<0.11		0.52	0.11	ug/L		03/28/24 15:37	03/29/24 13:56	1
Pyrene	<0.10		0.52	0.10	ug/L		03/28/24 15:37	03/29/24 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*28 - 120*	*03/28/24 15:37*	*03/29/24 13:56*	*1*
Nitrobenzene-d5 (Surr)	*83*		*18 - 120*	*03/28/24 15:37*	*03/29/24 13:56*	*1*
p-Terphenyl-d14 (Surr)	*52*		*22 - 120*	*03/28/24 15:37*	*03/29/24 13:56*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*98*		*63 - 135*		*03/29/24 18:13*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<47	*+ *1 cn	100	47	ug/L		03/29/24 15:32	03/30/24 03:58	1

Client Sample ID: QL-GEI-14-20240326
Lab Sample ID: 410-165398-5

Date Collected: 03/26/24 15:35
Matrix: Water
Date Received: 03/26/24 18:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	75		32 - 125	03/29/24 15:32	03/30/24 03:58	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0021		0.021	0.0021	ug/L		03/29/24 08:27	04/01/24 04:11	1
alpha-BHC (1C)	<0.0031		0.021	0.0031	ug/L		03/29/24 08:27	04/01/24 04:11	1
alpha-Chlordane (1C)	<0.0031		0.021	0.0031	ug/L		03/29/24 08:27	04/01/24 04:11	1
beta-BHC (1C)	<0.011		0.031	0.011	ug/L		03/29/24 08:27	04/01/24 04:11	1
delta-BHC (1C)	<0.0035		0.021	0.0035	ug/L		03/29/24 08:27	04/01/24 04:11	1
Dieldrin (1C)	<0.0055		0.031	0.0055	ug/L		03/29/24 08:27	04/01/24 04:11	1
Endosulfan I (1C)	<0.0044		0.021	0.0044	ug/L		03/29/24 08:27	04/01/24 04:11	1
Endosulfan II (1C)	<0.015		0.041	0.015	ug/L		03/29/24 08:27	04/01/24 04:11	1
Endosulfan sulfate (1C)	<0.0060		0.031	0.0060	ug/L		03/29/24 08:27	04/01/24 04:11	1
Endrin (1C)	<0.0084		0.031	0.0084	ug/L		03/29/24 08:27	04/01/24 04:11	1
Endrin aldehyde (1C)	<0.021		0.10	0.021	ug/L		03/29/24 08:27	04/01/24 04:11	1
Endrin ketone (1C)	<0.0052		0.031	0.0052	ug/L		03/29/24 08:27	04/01/24 04:11	1
gamma-BHC (Lindane) (1C)	<0.0021		0.021	0.0021	ug/L		03/29/24 08:27	04/01/24 04:11	1
gamma-Chlordane (1C)	<0.0072		0.041	0.0072	ug/L		03/29/24 08:27	04/01/24 04:11	1
Heptachlor (1C)	<0.0021		0.021	0.0021	ug/L		03/29/24 08:27	04/01/24 04:11	1
Heptachlor epoxide (1C)	<0.0024		0.021	0.0024	ug/L		03/29/24 08:27	04/01/24 04:11	1
Methoxychlor (1C)	<0.031		0.11	0.031	ug/L		03/29/24 08:27	04/01/24 04:11	1
Toxaphene (1C)	<0.31		1.0	0.31	ug/L		03/29/24 08:27	04/01/24 04:11	1
p,p'-DDD (1C)	<0.0052		0.031	0.0052	ug/L		03/29/24 08:27	04/01/24 04:11	1
p,p'-DDE (1C)	<0.0052		0.031	0.0052	ug/L		03/29/24 08:27	04/01/24 04:11	1
p,p'-DDT (1C)	<0.0054		0.031	0.0054	ug/L		03/29/24 08:27	04/01/24 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	22		20 - 149	03/29/24 08:27	04/01/24 04:11	1
DCB Decachlorobiphenyl (Surr) (2C)	21		20 - 149	03/29/24 08:27	04/01/24 04:11	1
Tetrachloro-m-xylene (1C)	35		20 - 129	03/29/24 08:27	04/01/24 04:11	1
Tetrachloro-m-xylene (2C)	33		20 - 129	03/29/24 08:27	04/01/24 04:11	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.52	0.10	ug/L		03/29/24 08:23	03/29/24 23:01	1
PCB-1221 (1C)	<0.10		0.52	0.10	ug/L		03/29/24 08:23	03/29/24 23:01	1
PCB-1232 (1C)	<0.10		0.52	0.10	ug/L		03/29/24 08:23	03/29/24 23:01	1
PCB-1242 (1C)	<0.10		0.52	0.10	ug/L		03/29/24 08:23	03/29/24 23:01	1
PCB-1248 (1C)	<0.080		0.52	0.080	ug/L		03/29/24 08:23	03/29/24 23:01	1
PCB-1254 (1C)	<0.080		0.52	0.080	ug/L		03/29/24 08:23	03/29/24 23:01	1
PCB-1260 (1C)	<0.080		0.52	0.080	ug/L		03/29/24 08:23	03/29/24 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	29		10 - 148	03/29/24 08:23	03/29/24 23:01	1
DCB Decachlorobiphenyl (Surr) (2C)	26		10 - 148	03/29/24 08:23	03/29/24 23:01	1
Tetrachloro-m-xylene (1C)	44		33 - 137	03/29/24 08:23	03/29/24 23:01	1
Tetrachloro-m-xylene (2C)	42		33 - 137	03/29/24 08:23	03/29/24 23:01	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.062		0.14	0.062	ug/L		03/29/24 15:45	04/01/24 10:01	1

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-GEI-14-20240326
Lab Sample ID: 410-165398-5
Date Collected: 03/26/24 15:35
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP) (1C)	<0.021		0.048	0.021	ug/L		03/29/24 15:45	04/01/24 10:01	1
2,4-D (1C)	<0.24		0.57	0.24	ug/L		03/29/24 15:45	04/01/24 10:01	1
2,4-DB (1C)	<0.60		1.4	0.60	ug/L		03/29/24 15:45	04/01/24 10:01	1
Dichlorprop (1C)	<0.15		0.48	0.15	ug/L		03/29/24 15:45	04/01/24 10:01	1
Dalapon (1C)	<5.5		12	5.5	ug/L		03/29/24 15:45	04/01/24 10:01	1
Dicamba (1C)	<0.26		0.53	0.26	ug/L		03/29/24 15:45	04/01/24 10:01	1
Dinoseb (1C)	<0.27	*1	0.57	0.27	ug/L		03/29/24 15:45	04/01/24 10:01	1
MCPP (1C)	<48		190	48	ug/L		03/29/24 15:45	04/01/24 10:01	1
MCPA (1C)	<48		190	48	ug/L		03/29/24 15:45	04/01/24 10:01	1
Pentachlorophenol (1C)	<0.026		0.067	0.026	ug/L		03/29/24 15:45	04/01/24 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr) (1C)	*65*		*34 - 142*	*03/29/24 15:45*	*04/01/24 10:01*	*1*
2,4-Dichlorophenylacetic acid (Surr) (2C)	*60*		*34 - 142*	*03/29/24 15:45*	*04/01/24 10:01*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			04/01/24 14:35	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.18**	**J**	0.20	0.090	mg/L			04/02/24 00:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		25	12	ug/L		03/29/24 21:00	04/01/24 20:39	1
Antimony	**0.33**	**J**	1.0	0.20	ug/L		03/29/24 21:00	04/01/24 20:39	1
Arsenic	**5.6**		2.0	0.68	ug/L		03/29/24 21:00	04/01/24 20:39	1
Barium	**87**		2.0	0.75	ug/L		03/29/24 21:00	04/01/24 20:39	1
Beryllium	**0.79**		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 20:39	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 21:00	04/01/24 20:39	1
Calcium	**110000**	**^3+**	600	250	ug/L		03/29/24 21:00	04/01/24 21:07	5
Chromium	**21**		2.0	0.55	ug/L		03/29/24 21:00	04/01/24 20:39	1
Cobalt	**10**	**^2**	0.50	0.16	ug/L		03/29/24 21:00	04/01/24 20:39	1
Copper	**17**		1.0	0.36	ug/L		03/29/24 21:00	04/01/24 20:39	1
Iron	**28000**		50	20	ug/L		03/29/24 21:00	04/01/24 20:39	1
Lead	**10**		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 20:39	1
Magnesium	**13000**		50	16	ug/L		03/29/24 21:00	04/01/24 20:39	1
Manganese	**910**		2.0	0.95	ug/L		03/29/24 21:00	04/01/24 20:39	1
Nickel	**24**		1.0	0.40	ug/L		03/29/24 21:00	04/01/24 20:39	1
Potassium	**3100**		200	65	ug/L		03/29/24 21:00	04/01/24 20:39	1
Selenium	<0.28		1.0	0.28	ug/L		03/29/24 21:00	04/01/24 20:39	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 21:00	04/01/24 20:39	1
Sodium	**11000**		200	90	ug/L		03/29/24 21:00	04/01/24 20:39	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 21:00	04/01/24 20:39	1
Zinc	**43**		10	4.0	ug/L		03/29/24 21:00	04/01/24 20:39	1
Vanadium	**23**		4.0	0.79	ug/L		03/29/24 21:00	04/01/24 20:39	1

Client Sample ID: QL-GEI-14-20240326
Lab Sample ID: 410-165398-5

Date Collected: 03/26/24 15:35
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 21:00	04/01/24 20:37	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 21:00	04/01/24 20:37	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 21:00	04/01/24 20:37	1
Barium	**22**		2.0	0.75	ug/L		03/29/24 21:00	04/01/24 20:37	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 20:37	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 21:00	04/01/24 20:37	1
Calcium	**64000**	**^3+**	120	50	ug/L		03/29/24 21:00	04/01/24 20:37	1
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 21:00	04/01/24 20:37	1
Cobalt	**0.77**		0.50	0.16	ug/L		03/29/24 21:00	04/01/24 21:04	1
Copper	**1.1**		1.0	0.36	ug/L		03/29/24 21:00	04/01/24 20:37	1
Iron	<20		50	20	ug/L		03/29/24 21:00	04/01/24 20:37	1
Lead	**0.19**	**J**	0.50	0.12	ug/L		03/29/24 21:00	04/01/24 20:37	1
Magnesium	**5600**		50	16	ug/L		03/29/24 21:00	04/01/24 20:37	1
Manganese	**410**		2.0	0.95	ug/L		03/29/24 21:00	04/01/24 20:37	1
Nickel	<0.40		1.0	0.40	ug/L		03/29/24 21:00	04/01/24 20:37	1
Potassium	**1400**		200	65	ug/L		03/29/24 21:00	04/01/24 20:37	1
Selenium	<0.28		1.0	0.28	ug/L		03/29/24 21:00	04/01/24 20:37	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 21:00	04/01/24 20:37	1
Sodium	**9700**		200	90	ug/L		03/29/24 21:00	04/01/24 20:37	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 21:00	04/01/24 20:37	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 21:00	04/01/24 20:37	1
Zinc	<4.0		10	4.0	ug/L		03/29/24 21:00	04/01/24 20:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/01/24 09:30	04/02/24 08:39	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/01/24 09:30	04/02/24 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.3**	**HF**	0.01	0.01	S.U.			04/01/24 07:46	1
Temperature (SW846 9040C)	**20.2**	**HF**	0.01	0.01	Degrees C			04/01/24 07:46	1
Corrosivity (SW846 9040C)	**no**	**HF**	0.01	0.01	NONE			04/01/24 07:46	1
Cyanide, Free (OI CORP OIA-1677)	<0.0050		0.0060	0.0050	mg/L			04/01/24 17:22	1

Client Sample ID: TB-032624
Lab Sample ID: 410-165398-6

Date Collected: 03/26/24 00:00
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 17:26	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 17:26	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 17:26	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 17:26	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: TB-032624
Lab Sample ID: 410-165398-6
Date Collected: 03/26/24 00:00
Matrix: Water
Date Received: 03/26/24 18:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 17:26	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 17:26	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 17:26	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/28/24 17:26	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 17:26	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 17:26	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 17:26	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 17:26	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 17:26	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 17:26	1
Chloroform	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 17:26	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 17:26	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/28/24 17:26	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Trichlorofluoromethane	<0.30	cn	1.0	0.30	ug/L			03/28/24 17:26	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 17:26	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
2-Butanone	<0.50	cn	10	0.50	ug/L			03/28/24 17:26	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 17:26	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 17:26	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*03/28/24 17:26*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/28/24 17:26*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/28/24 17:26*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/24 17:26*	*1*

Surrogate Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-165229-1	QL-DA11-SW-20240325	101	102	98	100
410-165229-2	QL-DA2-SW-20240325	100	102	99	100
410-165229-3	TB-032524	97	102	99	100
410-165398-1	QL-MW-60-GW-032624	100	102	96	100
410-165398-2	QL-MW-52-GW-032624	100	103	98	101
410-165398-3	QL-GEI-07-20240326	103	104	97	98
410-165398-4	QL-GEI-11-20240326	98	103	98	100
410-165398-5	QL-GEI-14-20240326	100	104	97	100
410-165398-6	TB-032624	97	102	98	99
LCS 410-487516/5	Lab Control Sample	100	101	99	100
LCS 410-487991/4	Lab Control Sample	100	102	99	101
LCSD 410-487991/5	Lab Control Sample Dup	101	102	97	100
MB 410-487516/9	Method Blank	101	102	97	100
MB 410-487991/7	Method Blank	101	103	97	99

Surrogate Legend

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

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(28-120)	(18-120)	(22-120)
410-165229-1	QL-DA11-SW-20240325	76	82	77
410-165229-2	QL-DA2-SW-20240325	77	83	56
410-165398-1	QL-MW-60-GW-032624	73	73	82
410-165398-2	QL-MW-52-GW-032624	86	85	90
410-165398-3	QL-GEI-07-20240326	92	86	86
410-165398-4	QL-GEI-11-20240326	78	77	85
410-165398-5	QL-GEI-14-20240326	85	83	52
LCS 410-488267/2-A	Lab Control Sample	73	71	82
LCS 410-488689/2-A	Lab Control Sample	81	77	73
MB 410-488267/1-A	Method Blank	76	76	89
MB 410-488689/1-A	Method Blank	71	65	82

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-165229-1	QL-DA11-SW-20240325	96

Surrogate Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TFT-F1 (63-135)
410-165229-2	QL-DA2-SW-20240325	100
410-165398-1	QL-MW-60-GW-032624	97
410-165398-2	QL-MW-52-GW-032624	97
410-165398-3	QL-GEI-07-20240326	97
410-165398-4	QL-GEI-11-20240326	98
410-165398-5	QL-GEI-14-20240326	98
LCS 410-488535/6	Lab Control Sample	87
LCS 410-488538/6	Lab Control Sample	88
LCSD 410-488535/7	Lab Control Sample Dup	87
LCSD 410-488538/7	Lab Control Sample Dup	89
MB 410-488535/5	Method Blank	94
MB 410-488538/5	Method Blank	97

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTP (32-125)
410-165229-1	QL-DA11-SW-20240325	77
410-165229-2	QL-DA2-SW-20240325	50
410-165398-1	QL-MW-60-GW-032624	47
410-165398-2	QL-MW-52-GW-032624	77
410-165398-3	QL-GEI-07-20240326	77
410-165398-4	QL-GEI-11-20240326	75
410-165398-5	QL-GEI-14-20240326	75
LCS 410-487560/2-A	Lab Control Sample	74
LCS 410-488692/2-A	Lab Control Sample	60
LCSD 410-487560/3-A	Lab Control Sample Dup	75
LCSD 410-488692/3-A	Lab Control Sample Dup	70
MB 410-487560/1-A	Method Blank	77
MB 410-488692/1-A	Method Blank	69

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCB1 (20-149)	DCB2 (20-149)	TCX1 (20-129)	TCX2 (20-129)
410-165229-1	QL-DA11-SW-20240325	46	47	55	54
410-165229-2	QL-DA2-SW-20240325	55	56	60	58
410-165398-1	QL-MW-60-GW-032624	49	48	51	47
410-165398-2	QL-MW-52-GW-032624	37	37	40	36
410-165398-3	QL-GEI-07-20240326	62	59	65	59
410-165398-4	QL-GEI-11-20240326	80	79	67	61
410-165398-5	QL-GEI-14-20240326	22	21	35	33

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-149)	(20-149)	(20-129)	(20-129)
LCS 410-487565/2-A	Lab Control Sample	80	81	66	63
LCS 410-488503/2-A	Lab Control Sample	71	68	54	50
LCSD 410-487565/3-A	Lab Control Sample Dup	76	78	64	61
LCSD 410-488503/3-A	Lab Control Sample Dup	58	57	55	49
MB 410-487565/1-A	Method Blank	78	79	49	50
MB 410-488503/1-A	Method Blank	99	96	85	77

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-148)	(10-148)	(33-137)	(33-137)
410-165229-1	QL-DA11-SW-20240325	45	53	58	60
410-165229-2	QL-DA2-SW-20240325	55	65	62	64
410-165398-1	QL-MW-60-GW-032624	70	69	67	65
410-165398-2	QL-MW-52-GW-032624	67	67	65	64
410-165398-3	QL-GEI-07-20240326	51	48	51	47
410-165398-4	QL-GEI-11-20240326	68	64	52	50
410-165398-5	QL-GEI-14-20240326	29	26	44	42
LCS 410-487566/2-A	Lab Control Sample	86	94	65	66
LCS 410-488502/2-A	Lab Control Sample	81	79	62	59
LCSD 410-487566/3-A	Lab Control Sample Dup	85	93	54	57
MB 410-487566/1-A	Method Blank	79	90	50	53
MB 410-488502/1-A	Method Blank	61	60	48	45

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(34-142)	(34-142)
410-165229-1	QL-DA11-SW-20240325	77	89
410-165229-2	QL-DA2-SW-20240325	81	96
410-165398-1	QL-MW-60-GW-032624	59	53
410-165398-2	QL-MW-52-GW-032624	62	58
410-165398-3	QL-GEI-07-20240326	67	63
410-165398-4	QL-GEI-11-20240326	58	53
410-165398-5	QL-GEI-14-20240326	65	60
LCS 410-487814/2-A	Lab Control Sample	79	89
LCS 410-488702/2-A	Lab Control Sample	66	56
LCSD 410-488702/3-A	Lab Control Sample Dup	67	57
MB 410-487814/1-A	Method Blank	76	86
MB 410-488702/1-A	Method Blank	91	79

Surrogate Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-487516/9
Matrix: Water
Analysis Batch: 487516

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 11:55	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/27/24 11:55	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/27/24 11:55	1
Styrene	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/27/24 11:55	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/27/24 11:55	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/27/24 11:55	1
Toluene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/27/24 11:55	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/27/24 11:55	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/27/24 11:55	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/27/24 11:55	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/27/24 11:55	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/27/24 11:55	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
2-Hexanone	<0.85		10	0.85	ug/L			03/27/24 11:55	1
Acetone	<0.70		20	0.70	ug/L			03/27/24 11:55	1
Chloroform	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Benzene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Bromomethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/27/24 11:55	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1
Bromoform	<1.0		4.0	1.0	ug/L			03/27/24 11:55	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/27/24 11:55	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Trichlorofluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Freon 113	<0.30		10	0.30	ug/L			03/27/24 11:55	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
2-Butanone	<0.50		10	0.50	ug/L			03/27/24 11:55	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/27/24 11:55	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/27/24 11:55	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/27/24 11:55	1

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

Lab Sample ID: MB 410-487516/9
Matrix: Water
Analysis Batch: 487516

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/27/24 11:55*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/27/24 11:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/27/24 11:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/24 11:55*	*1*

Lab Sample ID: LCS 410-487516/5
Matrix: Water
Analysis Batch: 487516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	75 - 120
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120
Ethylbenzene	20.0	20.3		ug/L		102	80 - 120
Styrene	20.0	19.6		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	19.9		ug/L		100	80 - 120
1,2-Dibromoethane	20.0	19.6		ug/L		98	77 - 120
1,2-Dichloroethane	20.0	20.4		ug/L		102	73 - 124
4-Methyl-2-pentanone	250	240		ug/L		96	62 - 133
Methylcyclohexane	20.0	19.3		ug/L		97	67 - 121
Toluene	20.0	20.5		ug/L		103	80 - 120
Chlorobenzene	20.0	20.1		ug/L		100	80 - 120
Cyclohexane	20.0	19.1		ug/L		95	68 - 126
1,2,4-Trichlorobenzene	20.0	20.1		ug/L		101	63 - 120
Dibromochloromethane	20.0	18.2		ug/L		91	71 - 120
Xylenes, Total	60.0	60.9		ug/L		102	80 - 120
Tetrachloroethene	20.0	20.9		ug/L		105	80 - 120
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	80 - 125
trans-1,2-Dichloroethene	20.0	21.3		ug/L		107	80 - 126
Methyl tertiary butyl ether	20.0	19.2		ug/L		96	69 - 122
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
Carbon tetrachloride	20.0	20.5		ug/L		102	64 - 134
2-Hexanone	250	230		ug/L		92	56 - 135
Acetone	250	238		ug/L		95	54 - 157
Chloroform	20.0	17.4		ug/L		87	80 - 120
Benzene	20.0	20.9		ug/L		105	80 - 120
1,1,1-Trichloroethane	20.0	21.6		ug/L		108	67 - 126
Bromomethane	20.0	20.5		ug/L		102	53 - 128
Chloromethane	20.0	20.2		ug/L		101	56 - 121
Chloroethane	20.0	21.5		ug/L		107	55 - 123
Vinyl chloride	20.0	20.1		ug/L		101	56 - 120
Methylene Chloride	20.0	21.4		ug/L		107	80 - 120
Carbon disulfide	20.0	19.3		ug/L		96	65 - 128
Bromoform	20.0	16.1		ug/L		81	51 - 120
Bromodichloromethane	20.0	19.1		ug/L		96	71 - 120
1,1-Dichloroethane	20.0	21.3		ug/L		107	80 - 120
1,1-Dichloroethene	20.0	21.9		ug/L		109	80 - 131
Trichlorofluoromethane	20.0	20.3		ug/L		102	55 - 135
Dichlorodifluoromethane	20.0	19.9		ug/L		99	41 - 127

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

Lab Sample ID: LCS 410-487516/5
Matrix: Water
Analysis Batch: 487516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	17.8		ug/L		89	73 - 139
1,2-Dichloropropane	20.0	20.7		ug/L		103	80 - 120
2-Butanone	250	219		ug/L		88	59 - 135
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120
Trichloroethene	20.0	21.3		ug/L		106	80 - 120
Methyl acetate	20.0	20.1		ug/L		100	54 - 136
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	72 - 120
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.6		ug/L		83	47 - 131
Isopropylbenzene	20.0	22.0		ug/L		110	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 410-487991/7
Matrix: Water
Analysis Batch: 487991

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 10:29	1
trans-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			03/28/24 10:29	1
Ethylbenzene	<0.40		1.0	0.40	ug/L			03/28/24 10:29	1
Styrene	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1
1,4-Dichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1
1,2-Dibromoethane	<0.20		1.0	0.20	ug/L			03/28/24 10:29	1
1,2-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
4-Methyl-2-pentanone	<0.50		10	0.50	ug/L			03/28/24 10:29	1
Methylcyclohexane	<0.50		5.0	0.50	ug/L			03/28/24 10:29	1
Toluene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Chlorobenzene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Cyclohexane	<1.0		5.0	1.0	ug/L			03/28/24 10:29	1
1,2,4-Trichlorobenzene	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1
Dibromochloromethane	<0.20		1.0	0.20	ug/L			03/28/24 10:29	1
Xylenes, Total	<0.40		1.0	0.40	ug/L			03/28/24 10:29	1
Tetrachloroethene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
cis-1,2-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			03/28/24 10:29	1
Methyl tertiary butyl ether	<0.20		1.0	0.20	ug/L			03/28/24 10:29	1
1,3-Dichlorobenzene	<0.68		5.0	0.68	ug/L			03/28/24 10:29	1
Carbon tetrachloride	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
2-Hexanone	<0.85		10	0.85	ug/L			03/28/24 10:29	1
Acetone	<0.70		20	0.70	ug/L			03/28/24 10:29	1
Chloroform	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Benzene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
1,1,1-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1

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

Lab Sample ID: MB 410-487991/7
Matrix: Water
Analysis Batch: 487991

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Chloromethane	<0.55		2.0	0.55	ug/L			03/28/24 10:29	1
Chloroethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Vinyl chloride	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Methylene Chloride	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Carbon disulfide	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1
Bromoform	<1.0		4.0	1.0	ug/L			03/28/24 10:29	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			03/28/24 10:29	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
1,1-Dichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Trichlorofluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Dichlorodifluoromethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Freon 113	<0.30		10	0.30	ug/L			03/28/24 10:29	1
1,2-Dichloropropane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
2-Butanone	<0.50		10	0.50	ug/L			03/28/24 10:29	1
1,1,2-Trichloroethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Trichloroethene	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
Methyl acetate	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1
1,1,2,2-Tetrachloroethane	<0.30		1.0	0.30	ug/L			03/28/24 10:29	1
1,2-Dichlorobenzene	<0.20		5.0	0.20	ug/L			03/28/24 10:29	1
1,2-Dibromo-3-Chloropropane	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1
Isopropylbenzene	<0.30		5.0	0.30	ug/L			03/28/24 10:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/28/24 10:29*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/28/24 10:29*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/28/24 10:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/24 10:29*	*1*

Lab Sample ID: LCS 410-487991/4
Matrix: Water
Analysis Batch: 487991

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
trans-1,3-Dichloropropene	20.0	17.3		ug/L		86	67 - 120
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Styrene	20.0	19.1		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromoethane	20.0	19.6		ug/L		98	77 - 120
1,2-Dichloroethane	20.0	20.4		ug/L		102	73 - 124
4-Methyl-2-pentanone	250	241		ug/L		97	62 - 133
Methylcyclohexane	20.0	19.3		ug/L		96	67 - 121
Toluene	20.0	19.7		ug/L		98	80 - 120
Chlorobenzene	20.0	19.5		ug/L		97	80 - 120
Cyclohexane	20.0	19.0		ug/L		95	68 - 126
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	63 - 120
Dibromochloromethane	20.0	17.2		ug/L		86	71 - 120

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

Lab Sample ID: LCS 410-487991/4
Matrix: Water
Analysis Batch: 487991

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	57.9		ug/L		97	80 - 120
Tetrachloroethene	20.0	20.2		ug/L		101	80 - 120
cis-1,2-Dichloroethene	20.0	20.1		ug/L		100	80 - 125
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
Methyl tertiary butyl ether	20.0	18.6		ug/L		93	69 - 122
1,3-Dichlorobenzene	20.0	19.1		ug/L		96	80 - 120
Carbon tetrachloride	20.0	19.4		ug/L		97	64 - 134
2-Hexanone	250	231		ug/L		92	56 - 135
Acetone	250	240		ug/L		96	54 - 157
Chloroform	20.0	16.7		ug/L		84	80 - 120
Benzene	20.0	19.9		ug/L		100	80 - 120
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	67 - 126
Bromomethane	20.0	20.0		ug/L		100	53 - 128
Chloromethane	20.0	20.0		ug/L		100	56 - 121
Chloroethane	20.0	21.4		ug/L		107	55 - 123
Vinyl chloride	20.0	19.5		ug/L		97	56 - 120
Methylene Chloride	20.0	20.5		ug/L		103	80 - 120
Carbon disulfide	20.0	17.9		ug/L		90	65 - 128
Bromoform	20.0	15.1		ug/L		75	51 - 120
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	20.2		ug/L		101	80 - 120
1,1-Dichloroethene	20.0	21.3		ug/L		107	80 - 131
Trichlorofluoromethane	20.0	20.4		ug/L		102	55 - 135
Dichlorodifluoromethane	20.0	19.9		ug/L		100	41 - 127
Freon 113	20.0	17.8		ug/L		89	73 - 139
1,2-Dichloropropane	20.0	19.9		ug/L		100	80 - 120
2-Butanone	250	219		ug/L		88	59 - 135
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	80 - 120
Trichloroethene	20.0	20.0		ug/L		100	80 - 120
Methyl acetate	20.0	23.3		ug/L		117	54 - 136
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	72 - 120
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		83	47 - 131
Isopropylbenzene	20.0	21.1		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-487991/5
Matrix: Water
Analysis Batch: 487991

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	17.1		ug/L		85	75 - 120	0	30
trans-1,3-Dichloropropene	20.0	17.3		ug/L		87	67 - 120	0	30

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

Lab Sample ID: LCSD 410-487991/5
Matrix: Water
Analysis Batch: 487991

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
Ethylbenzene			20.0	20.0		ug/L		100	80 - 120	1	30
Styrene			20.0	19.3		ug/L		96	80 - 120	1	30
1,4-Dichlorobenzene			20.0	18.9		ug/L		95	80 - 120	2	30
1,2-Dibromoethane			20.0	19.6		ug/L		98	77 - 120	0	30
1,2-Dichloroethane			20.0	20.4		ug/L		102	73 - 124	0	30
4-Methyl-2-pentanone			250	243		ug/L		97	62 - 133	1	30
Methylcyclohexane			20.0	19.6		ug/L		98	67 - 121	2	30
Toluene			20.0	20.1		ug/L		101	80 - 120	2	30
Chlorobenzene			20.0	19.8		ug/L		99	80 - 120	2	30
Cyclohexane			20.0	19.4		ug/L		97	68 - 126	2	30
1,2,4-Trichlorobenzene			20.0	20.2		ug/L		101	63 - 120	1	30
Dibromochloromethane			20.0	17.5		ug/L		88	71 - 120	2	30
Xylenes, Total			60.0	59.5		ug/L		99	80 - 120	3	30
Tetrachloroethene			20.0	20.7		ug/L		104	80 - 120	3	30
cis-1,2-Dichloroethene			20.0	20.5		ug/L		103	80 - 125	2	30
trans-1,2-Dichloroethene			20.0	20.7		ug/L		103	80 - 126	2	30
Methyl tertiary butyl ether			20.0	19.0		ug/L		95	69 - 122	2	30
1,3-Dichlorobenzene			20.0	19.4		ug/L		97	80 - 120	2	30
Carbon tetrachloride			20.0	20.0		ug/L		100	64 - 134	3	30
2-Hexanone			250	231		ug/L		92	56 - 135	0	30
Acetone			250	236		ug/L		94	54 - 157	2	30
Chloroform			20.0	17.2		ug/L		86	80 - 120	3	30
Benzene			20.0	20.6		ug/L		103	80 - 120	3	30
1,1,1-Trichloroethane			20.0	20.5		ug/L		102	67 - 126	1	30
Bromomethane			20.0	20.2		ug/L		101	53 - 128	1	30
Chloromethane			20.0	19.9		ug/L		99	56 - 121	1	30
Chloroethane			20.0	21.8		ug/L		109	55 - 123	2	30
Vinyl chloride			20.0	20.1		ug/L		101	56 - 120	3	30
Methylene Chloride			20.0	20.9		ug/L		105	80 - 120	2	30
Carbon disulfide			20.0	18.0		ug/L		90	65 - 128	0	30
Bromoform			20.0	15.1		ug/L		76	51 - 120	0	30
Bromodichloromethane			20.0	18.8		ug/L		94	71 - 120	2	30
1,1-Dichloroethane			20.0	20.8		ug/L		104	80 - 120	3	30
1,1-Dichloroethene			20.0	21.7		ug/L		108	80 - 131	1	30
Trichlorofluoromethane			20.0	21.0		ug/L		105	55 - 135	3	30
Dichlorodifluoromethane			20.0	20.4		ug/L		102	41 - 127	2	30
Freon 113			20.0	18.3		ug/L		91	73 - 139	3	30
1,2-Dichloropropane			20.0	20.1		ug/L		101	80 - 120	1	30
2-Butanone			250	223		ug/L		89	59 - 135	2	30
1,1,2-Trichloroethane			20.0	19.3		ug/L		97	80 - 120	1	30
Trichloroethene			20.0	20.1		ug/L		101	80 - 120	1	30
Methyl acetate			20.0	24.1		ug/L		121	54 - 136	3	30
1,1,2,2-Tetrachloroethane			20.0	18.3		ug/L		91	72 - 120	1	30
1,2-Dichlorobenzene			20.0	19.1		ug/L		96	80 - 120	1	30
1,2-Dibromo-3-Chloropropane			20.0	16.0		ug/L		80	47 - 131	3	30
Isopropylbenzene			20.0	21.7		ug/L		108	80 - 120	3	30

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

Lab Sample ID: LCSD 410-487991/5
Matrix: Water
Analysis Batch: 487991

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	100		80 - 120

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

Lab Sample ID: MB 410-488267/1-A
Matrix: Water
Analysis Batch: 488438

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Acenaphthylene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Anthracene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Benzo[a]anthracene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Benzo[a]pyrene	<0.11		0.50	0.11	ug/L		03/28/24 15:37	03/29/24 09:33	1
Benzo[b]fluoranthene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Benzo[g,h,i]perylene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Benzo[k]fluoranthene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Chrysene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Dibenz(a,h)anthracene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Fluoranthene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Fluorene	<0.12		0.50	0.12	ug/L		03/28/24 15:37	03/29/24 09:33	1
Indeno[1,2,3-cd]pyrene	<0.11		0.50	0.11	ug/L		03/28/24 15:37	03/29/24 09:33	1
Naphthalene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1
Phenanthrene	<0.11		0.50	0.11	ug/L		03/28/24 15:37	03/29/24 09:33	1
Pyrene	<0.10		0.50	0.10	ug/L		03/28/24 15:37	03/29/24 09:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		28 - 120	03/28/24 15:37	03/29/24 09:33	1
Nitrobenzene-d5 (Surr)	76		18 - 120	03/28/24 15:37	03/29/24 09:33	1
p-Terphenyl-d14 (Surr)	89		22 - 120	03/28/24 15:37	03/29/24 09:33	1

Lab Sample ID: LCS 410-488267/2-A
Matrix: Water
Analysis Batch: 488438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	50.0	41.4		ug/L		83	48 - 127
Acenaphthylene	50.0	43.3		ug/L		87	47 - 130
Anthracene	50.0	45.0		ug/L		90	55 - 134
Benzo[a]anthracene	50.0	44.9		ug/L		90	54 - 134
Benzo[a]pyrene	50.0	47.2		ug/L		94	58 - 135
Benzo[b]fluoranthene	50.0	45.0		ug/L		90	51 - 122
Benzo[g,h,i]perylene	50.0	44.1		ug/L		88	52 - 130
Benzo[k]fluoranthene	50.0	49.5		ug/L		99	57 - 132
Chrysene	50.0	47.0		ug/L		94	56 - 136

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

Lab Sample ID: LCS 410-488267/2-A
Matrix: Water
Analysis Batch: 488438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	50.0	45.9		ug/L		92	49 - 129
Fluoranthene	50.0	45.7		ug/L		91	56 - 130
Fluorene	50.0	43.8		ug/L		88	50 - 128
Indeno[1,2,3-cd]pyrene	50.0	44.4		ug/L		89	50 - 134
Naphthalene	50.0	37.9		ug/L		76	39 - 123
Phenanthrene	50.0	44.5		ug/L		89	55 - 132
Pyrene	50.0	48.2		ug/L		96	58 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*73*		*28 - 120*
Nitrobenzene-d5 (Surr)	*71*		*18 - 120*
p-Terphenyl-d14 (Surr)	*82*		*22 - 120*

Lab Sample ID: MB 410-488689/1-A
Matrix: Water
Analysis Batch: 488980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Acenaphthylene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Anthracene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Benzo[a]anthracene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Benzo[a]pyrene	<0.11		0.50	0.11	ug/L		03/29/24 15:22	04/01/24 10:04	1
Benzo[b]fluoranthene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Benzo[g,h,i]perylene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Benzo[k]fluoranthene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Chrysene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Dibenz(a,h)anthracene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Fluoranthene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Fluorene	<0.12		0.50	0.12	ug/L		03/29/24 15:22	04/01/24 10:04	1
Indeno[1,2,3-cd]pyrene	<0.11		0.50	0.11	ug/L		03/29/24 15:22	04/01/24 10:04	1
Naphthalene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1
Phenanthrene	<0.11		0.50	0.11	ug/L		03/29/24 15:22	04/01/24 10:04	1
Pyrene	<0.10		0.50	0.10	ug/L		03/29/24 15:22	04/01/24 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*28 - 120*	*03/29/24 15:22*	*04/01/24 10:04*	*1*
Nitrobenzene-d5 (Surr)	*65*		*18 - 120*	*03/29/24 15:22*	*04/01/24 10:04*	*1*
p-Terphenyl-d14 (Surr)	*82*		*22 - 120*	*03/29/24 15:22*	*04/01/24 10:04*	*1*

Lab Sample ID: LCS 410-488689/2-A
Matrix: Water
Analysis Batch: 488980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	50.0	45.6		ug/L		91	48 - 127
Acenaphthylene	50.0	48.1		ug/L		96	47 - 130
Anthracene	50.0	42.7		ug/L		85	55 - 134

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

Lab Sample ID: LCS 410-488689/2-A
Matrix: Water
Analysis Batch: 488980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	50.0	43.3		ug/L		87	54 - 134
Benzo[a]pyrene	50.0	47.0		ug/L		94	58 - 135
Benzo[b]fluoranthene	50.0	48.8		ug/L		98	51 - 122
Benzo[g,h,i]perylene	50.0	46.8		ug/L		94	52 - 130
Benzo[k]fluoranthene	50.0	46.9		ug/L		94	57 - 132
Chrysene	50.0	42.9		ug/L		86	56 - 136
Dibenz(a,h)anthracene	50.0	48.9		ug/L		98	49 - 129
Fluoranthene	50.0	45.6		ug/L		91	56 - 130
Fluorene	50.0	39.3		ug/L		79	50 - 128
Indeno[1,2,3-cd]pyrene	50.0	49.9		ug/L		100	50 - 134
Naphthalene	50.0	41.7		ug/L		83	39 - 123
Phenanthrene	50.0	45.0		ug/L		90	55 - 132
Pyrene	50.0	41.8		ug/L		84	58 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*81*		*28 - 120*
Nitrobenzene-d5 (Surr)	*77*		*18 - 120*
p-Terphenyl-d14 (Surr)	*73*		*22 - 120*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-488535/5
Matrix: Water
Analysis Batch: 488535

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*94*		*63 - 135*		*03/29/24 12:14*	*1*

Lab Sample ID: LCS 410-488535/6
Matrix: Water
Analysis Batch: 488535

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
GRO (1C)	1100	1090		ug/L		99	70 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid) (1C)	*87*		*63 - 135*

Lab Sample ID: LCSD 410-488535/7
Matrix: Water
Analysis Batch: 488535

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
GRO (1C)	1100	1090		ug/L		99	70 - 123	0	30

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCSD 410-488535/7
Matrix: Water
Analysis Batch: 488535

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	87		63 - 135

Lab Sample ID: MB 410-488538/5
Matrix: Water
Analysis Batch: 488538

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	<23		50	23	ug/L			03/29/24 12:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	97		63 - 135		03/29/24 12:15	1

Lab Sample ID: LCS 410-488538/6
Matrix: Water
Analysis Batch: 488538

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (1C)			1100	971		ug/L		88	70 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	88		63 - 135

Lab Sample ID: LCSD 410-488538/7
Matrix: Water
Analysis Batch: 488538

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
GRO (1C)			1100	982		ug/L		89	70 - 123	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	89		63 - 135

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-487560/1-A
Matrix: Water
Analysis Batch: 488071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<45		100	45	ug/L		03/27/24 08:27	03/28/24 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	77		32 - 125	03/27/24 08:27	03/28/24 12:34	1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 410-487560/2-A
Matrix: Water
Analysis Batch: 488071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487560

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)			601	380		ug/L		63	20 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr)	*74*		*32 - 125*

Lab Sample ID: LCSD 410-487560/3-A
Matrix: Water
Analysis Batch: 488071

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 487560

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)			601	390		ug/L		65	20 - 115	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr)	*75*		*32 - 125*

Lab Sample ID: MB 410-488692/1-A
Matrix: Water
Analysis Batch: 488809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	<45		100	45	ug/L		03/29/24 15:32	03/29/24 23:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*69*		*32 - 125*	*03/29/24 15:32*	*03/29/24 23:47*	*1*

Lab Sample ID: LCS 410-488692/2-A
Matrix: Water
Analysis Batch: 488809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488692

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)			601	1360	*+	ug/L		226	20 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr)	*60*		*32 - 125*

Lab Sample ID: LCSD 410-488692/3-A
Matrix: Water
Analysis Batch: 488809

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488692

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)			601	316	*1	ug/L		53	20 - 115	125	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr)	*70*		*32 - 125*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-487565/1-A
Matrix: Water
Analysis Batch: 487562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0020		0.020	0.0020	ug/L		03/27/24 08:32	03/27/24 15:13	1
alpha-BHC (1C)	<0.0030		0.020	0.0030	ug/L		03/27/24 08:32	03/27/24 15:13	1
alpha-Chlordane (1C)	<0.0030		0.020	0.0030	ug/L		03/27/24 08:32	03/27/24 15:13	1
beta-BHC (1C)	<0.011		0.030	0.011	ug/L		03/27/24 08:32	03/27/24 15:13	1
delta-BHC (1C)	<0.0034		0.020	0.0034	ug/L		03/27/24 08:32	03/27/24 15:13	1
Dieldrin (1C)	<0.0053		0.030	0.0053	ug/L		03/27/24 08:32	03/27/24 15:13	1
Endosulfan I (1C)	<0.0043		0.020	0.0043	ug/L		03/27/24 08:32	03/27/24 15:13	1
Endosulfan II (1C)	<0.015		0.040	0.015	ug/L		03/27/24 08:32	03/27/24 15:13	1
Endosulfan sulfate (1C)	<0.0058		0.030	0.0058	ug/L		03/27/24 08:32	03/27/24 15:13	1
Endrin (1C)	<0.0081		0.030	0.0081	ug/L		03/27/24 08:32	03/27/24 15:13	1
Endrin aldehyde (1C)	<0.020		0.10	0.020	ug/L		03/27/24 08:32	03/27/24 15:13	1
Endrin ketone (1C)	<0.0050		0.030	0.0050	ug/L		03/27/24 08:32	03/27/24 15:13	1
gamma-BHC (Lindane) (1C)	<0.0020		0.020	0.0020	ug/L		03/27/24 08:32	03/27/24 15:13	1
gamma-Chlordane (1C)	<0.0070		0.040	0.0070	ug/L		03/27/24 08:32	03/27/24 15:13	1
Heptachlor (1C)	<0.0020		0.020	0.0020	ug/L		03/27/24 08:32	03/27/24 15:13	1
Heptachlor epoxide (1C)	<0.0023		0.020	0.0023	ug/L		03/27/24 08:32	03/27/24 15:13	1
Methoxychlor (1C)	<0.030		0.11	0.030	ug/L		03/27/24 08:32	03/27/24 15:13	1
Toxaphene (1C)	<0.30		1.0	0.30	ug/L		03/27/24 08:32	03/27/24 15:13	1
p,p'-DDD (1C)	<0.0050		0.030	0.0050	ug/L		03/27/24 08:32	03/27/24 15:13	1
p,p'-DDE (1C)	<0.0050		0.030	0.0050	ug/L		03/27/24 08:32	03/27/24 15:13	1
p,p'-DDT (1C)	<0.0052		0.030	0.0052	ug/L		03/27/24 08:32	03/27/24 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*78*		*20 - 149*	*03/27/24 08:32*	*03/27/24 15:13*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*79*		*20 - 149*	*03/27/24 08:32*	*03/27/24 15:13*	*1*
Tetrachloro-m-xylene (1C)	*49*		*20 - 129*	*03/27/24 08:32*	*03/27/24 15:13*	*1*
Tetrachloro-m-xylene (2C)	*50*		*20 - 129*	*03/27/24 08:32*	*03/27/24 15:13*	*1*

Lab Sample ID: LCS 410-487565/2-A
Matrix: Water
Analysis Batch: 487562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	0.100	0.0636		ug/L		64	10 - 148
alpha-BHC (1C)	0.100	0.103		ug/L		103	47 - 132
beta-BHC (2C)	0.100	0.107		ug/L		107	65 - 139
delta-BHC (1C)	0.100	0.0996		ug/L		100	56 - 141
Dieldrin (1C)	0.200	0.199		ug/L		99	58 - 145
Endosulfan I (2C)	0.100	0.0987		ug/L		99	63 - 138
Endosulfan II (1C)	0.200	0.203		ug/L		102	61 - 138
Endosulfan sulfate (1C)	0.200	0.199		ug/L		99	63 - 129
Endrin (1C)	0.200	0.202		ug/L		101	63 - 131
Endrin aldehyde (2C)	0.200	0.201		ug/L		100	57 - 135
Endrin ketone (2C)	0.200	0.215		ug/L		107	67 - 136
gamma-BHC (Lindane) (1C)	0.100	0.103		ug/L		103	61 - 139
Heptachlor (2C)	0.100	0.0758		ug/L		76	35 - 136
Heptachlor epoxide (2C)	0.100	0.0988		ug/L		99	59 - 146
Methoxychlor (1C)	1.00	1.08		ug/L		108	66 - 148

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

Lab Sample ID: LCS 410-487565/2-A
Matrix: Water
Analysis Batch: 487562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487565

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
p,p'-DDD (1C)			0.200	0.204		ug/L		102	42 - 148		
p,p'-DDE (1C)			0.200	0.175		ug/L		87	20 - 140		
p,p'-DDT (2C)			0.200	0.211		ug/L		106	40 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*80*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*81*		*20 - 149*
Tetrachloro-m-xylene (1C)	*66*		*20 - 129*
Tetrachloro-m-xylene (2C)	*63*		*20 - 129*

Lab Sample ID: LCSD 410-487565/3-A
Matrix: Water
Analysis Batch: 487562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 487565

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (1C)			0.100	0.0653		ug/L		65	10 - 148	3	30
alpha-BHC (1C)			0.100	0.0959		ug/L		96	47 - 132	7	30
beta-BHC (2C)			0.100	0.102		ug/L		102	65 - 139	5	30
delta-BHC (1C)			0.100	0.0941		ug/L		94	56 - 141	6	30
Dieldrin (1C)			0.200	0.189		ug/L		94	58 - 145	5	30
Endosulfan I (2C)			0.100	0.0929		ug/L		93	63 - 138	6	30
Endosulfan II (1C)			0.200	0.189		ug/L		95	61 - 138	7	30
Endosulfan sulfate (1C)			0.200	0.188		ug/L		94	63 - 129	6	30
Endrin (1C)			0.200	0.185		ug/L		92	63 - 131	9	30
Endrin aldehyde (2C)			0.200	0.183		ug/L		92	57 - 135	9	20
Endrin ketone (2C)			0.200	0.202		ug/L		101	67 - 136	6	30
gamma-BHC (Lindane) (1C)			0.100	0.0938		ug/L		94	61 - 139	9	30
Heptachlor (2C)			0.100	0.0751		ug/L		75	35 - 136	1	30
Heptachlor epoxide (2C)			0.100	0.0932		ug/L		93	59 - 146	6	30
Methoxychlor (1C)			1.00	0.977		ug/L		98	66 - 148	10	30
p,p'-DDD (1C)			0.200	0.188		ug/L		94	42 - 148	8	30
p,p'-DDE (1C)			0.200	0.168		ug/L		84	20 - 140	4	30
p,p'-DDT (2C)			0.200	0.197		ug/L		98	40 - 145	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*76*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*78*		*20 - 149*
Tetrachloro-m-xylene (1C)	*64*		*20 - 129*
Tetrachloro-m-xylene (2C)	*61*		*20 - 129*

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

Lab Sample ID: MB 410-488503/1-A
Matrix: Water
Analysis Batch: 488942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 00:49	1
alpha-BHC (1C)	<0.0030		0.020	0.0030	ug/L		03/29/24 08:27	04/01/24 00:49	1
alpha-Chlordane (1C)	<0.0030		0.020	0.0030	ug/L		03/29/24 08:27	04/01/24 00:49	1
beta-BHC (1C)	<0.011		0.030	0.011	ug/L		03/29/24 08:27	04/01/24 00:49	1
delta-BHC (1C)	<0.0034		0.020	0.0034	ug/L		03/29/24 08:27	04/01/24 00:49	1
Dieldrin (1C)	<0.0053		0.030	0.0053	ug/L		03/29/24 08:27	04/01/24 00:49	1
Endosulfan I (1C)	<0.0043		0.020	0.0043	ug/L		03/29/24 08:27	04/01/24 00:49	1
Endosulfan II (1C)	<0.015		0.040	0.015	ug/L		03/29/24 08:27	04/01/24 00:49	1
Endosulfan sulfate (1C)	<0.0058		0.030	0.0058	ug/L		03/29/24 08:27	04/01/24 00:49	1
Endrin (1C)	<0.0081		0.030	0.0081	ug/L		03/29/24 08:27	04/01/24 00:49	1
Endrin aldehyde (1C)	<0.020		0.10	0.020	ug/L		03/29/24 08:27	04/01/24 00:49	1
Endrin ketone (1C)	<0.0050		0.030	0.0050	ug/L		03/29/24 08:27	04/01/24 00:49	1
gamma-BHC (Lindane) (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 00:49	1
gamma-Chlordane (1C)	<0.0070		0.040	0.0070	ug/L		03/29/24 08:27	04/01/24 00:49	1
Heptachlor (1C)	<0.0020		0.020	0.0020	ug/L		03/29/24 08:27	04/01/24 00:49	1
Heptachlor epoxide (1C)	<0.0023		0.020	0.0023	ug/L		03/29/24 08:27	04/01/24 00:49	1
Methoxychlor (1C)	<0.030		0.11	0.030	ug/L		03/29/24 08:27	04/01/24 00:49	1
Toxaphene (1C)	<0.30		1.0	0.30	ug/L		03/29/24 08:27	04/01/24 00:49	1
p,p'-DDD (1C)	<0.0050		0.030	0.0050	ug/L		03/29/24 08:27	04/01/24 00:49	1
p,p'-DDE (1C)	<0.0050		0.030	0.0050	ug/L		03/29/24 08:27	04/01/24 00:49	1
p,p'-DDT (1C)	<0.0052		0.030	0.0052	ug/L		03/29/24 08:27	04/01/24 00:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*99*		*20 - 149*	*03/29/24 08:27*	*04/01/24 00:49*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*96*		*20 - 149*	*03/29/24 08:27*	*04/01/24 00:49*	*1*
Tetrachloro-m-xylene (1C)	*85*		*20 - 129*	*03/29/24 08:27*	*04/01/24 00:49*	*1*
Tetrachloro-m-xylene (2C)	*77*		*20 - 129*	*03/29/24 08:27*	*04/01/24 00:49*	*1*

Lab Sample ID: LCS 410-488503/2-A
Matrix: Water
Analysis Batch: 488942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	0.100	0.0553		ug/L		55	10 - 148
alpha-BHC (1C)	0.100	0.0834		ug/L		83	47 - 132
beta-BHC (1C)	0.100	0.0951		ug/L		95	65 - 139
delta-BHC (1C)	0.100	0.0863		ug/L		86	56 - 141
Dieldrin (1C)	0.200	0.179		ug/L		89	58 - 145
Endosulfan I (2C)	0.100	0.0851		ug/L		85	63 - 138
Endosulfan II (1C)	0.200	0.175		ug/L		88	61 - 138
Endosulfan sulfate (1C)	0.200	0.174		ug/L		87	63 - 129
Endrin (2C)	0.200	0.173		ug/L		87	63 - 131
Endrin aldehyde (2C)	0.200	0.161		ug/L		81	57 - 135
Endrin ketone (1C)	0.200	0.185		ug/L		92	67 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0928		ug/L		93	61 - 139
Heptachlor (1C)	0.100	0.0668		ug/L		67	35 - 136
Heptachlor epoxide (1C)	0.100	0.0853		ug/L		85	59 - 146
Methoxychlor (1C)	1.00	0.920		ug/L		92	66 - 148

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

Lab Sample ID: LCS 410-488503/2-A
Matrix: Water
Analysis Batch: 488942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488503

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
p,p'-DDD (1C)			0.200	0.177		ug/L		88	42 - 148		
p,p'-DDE (1C)			0.200	0.152		ug/L		76	20 - 140		
p,p'-DDT (2C)			0.200	0.191		ug/L		95	40 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*71*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*68*		*20 - 149*
Tetrachloro-m-xylene (1C)	*54*		*20 - 129*
Tetrachloro-m-xylene (2C)	*50*		*20 - 129*

Lab Sample ID: LCSD 410-488503/3-A
Matrix: Water
Analysis Batch: 488942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (1C)			0.100	0.0514		ug/L		51	10 - 148	7	30
alpha-BHC (1C)			0.100	0.0845		ug/L		85	47 - 132	1	30
beta-BHC (1C)			0.100	0.0932		ug/L		93	65 - 139	2	30
delta-BHC (1C)			0.100	0.0808		ug/L		81	56 - 141	7	30
Dieldrin (1C)			0.200	0.170		ug/L		85	58 - 145	5	30
Endosulfan I (2C)			0.100	0.0819		ug/L		82	63 - 138	4	30
Endosulfan II (1C)			0.200	0.168		ug/L		84	61 - 138	4	30
Endosulfan sulfate (2C)			0.200	0.164		ug/L		82	63 - 129	6	30
Endrin (1C)			0.200	0.165		ug/L		82	63 - 131	5	30
Endrin aldehyde (2C)			0.200	0.161		ug/L		81	57 - 135	0	20
Endrin ketone (1C)			0.200	0.180		ug/L		90	67 - 136	2	30
gamma-BHC (Lindane) (1C)			0.100	0.0859		ug/L		86	61 - 139	8	30
Heptachlor (1C)			0.100	0.0624		ug/L		62	35 - 136	7	30
Heptachlor epoxide (1C)			0.100	0.0814		ug/L		81	59 - 146	5	30
Methoxychlor (2C)			1.00	0.859		ug/L		86	66 - 148	7	30
p,p'-DDD (1C)			0.200	0.172		ug/L		86	42 - 148	3	30
p,p'-DDE (1C)			0.200	0.141		ug/L		71	20 - 140	7	30
p,p'-DDT (2C)			0.200	0.178		ug/L		89	40 - 145	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*58*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*57*		*20 - 149*
Tetrachloro-m-xylene (1C)	*55*		*20 - 129*
Tetrachloro-m-xylene (2C)	*49*		*20 - 129*

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

Lab Sample ID: MB 410-487566/1-A
Matrix: Water
Analysis Batch: 487898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.50	0.10	ug/L		03/27/24 08:36	03/27/24 21:49	1
PCB-1221 (1C)	<0.10		0.50	0.10	ug/L		03/27/24 08:36	03/27/24 21:49	1
PCB-1232 (1C)	<0.10		0.50	0.10	ug/L		03/27/24 08:36	03/27/24 21:49	1
PCB-1242 (1C)	<0.10		0.50	0.10	ug/L		03/27/24 08:36	03/27/24 21:49	1
PCB-1248 (1C)	<0.078		0.50	0.078	ug/L		03/27/24 08:36	03/27/24 21:49	1
PCB-1254 (1C)	<0.078		0.50	0.078	ug/L		03/27/24 08:36	03/27/24 21:49	1
PCB-1260 (1C)	<0.078		0.50	0.078	ug/L		03/27/24 08:36	03/27/24 21:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*79*		*10 - 148*	*03/27/24 08:36*	*03/27/24 21:49*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*90*		*10 - 148*	*03/27/24 08:36*	*03/27/24 21:49*	*1*
Tetrachloro-m-xylene (1C)	*50*		*33 - 137*	*03/27/24 08:36*	*03/27/24 21:49*	*1*
Tetrachloro-m-xylene (2C)	*53*		*33 - 137*	*03/27/24 08:36*	*03/27/24 21:49*	*1*

Lab Sample ID: LCS 410-487566/2-A
Matrix: Water
Analysis Batch: 487898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487566

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016 (2C)			5.01	4.23		ug/L		84	60 - 117		
PCB-1260 (2C)			5.02	4.15		ug/L		83	57 - 134		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*86*		*10 - 148*
DCB Decachlorobiphenyl (Surr) (2C)	*94*		*10 - 148*
Tetrachloro-m-xylene (1C)	*65*		*33 - 137*
Tetrachloro-m-xylene (2C)	*66*		*33 - 137*

Lab Sample ID: LCSD 410-487566/3-A
Matrix: Water
Analysis Batch: 487898

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 487566

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016 (2C)			5.01	3.95		ug/L		79	60 - 117	7	30
PCB-1260 (2C)			5.02	4.14		ug/L		83	57 - 134	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*85*		*10 - 148*
DCB Decachlorobiphenyl (Surr) (2C)	*93*		*10 - 148*
Tetrachloro-m-xylene (1C)	*54*		*33 - 137*
Tetrachloro-m-xylene (2C)	*57*		*33 - 137*

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

Lab Sample ID: MB 410-488502/1-A
Matrix: Water
Analysis Batch: 488804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	<0.10		0.50	0.10	ug/L		03/29/24 08:23	03/29/24 21:26	1
PCB-1221 (1C)	<0.10		0.50	0.10	ug/L		03/29/24 08:23	03/29/24 21:26	1
PCB-1232 (1C)	<0.10		0.50	0.10	ug/L		03/29/24 08:23	03/29/24 21:26	1
PCB-1242 (1C)	<0.10		0.50	0.10	ug/L		03/29/24 08:23	03/29/24 21:26	1
PCB-1248 (1C)	<0.078		0.50	0.078	ug/L		03/29/24 08:23	03/29/24 21:26	1
PCB-1254 (1C)	<0.078		0.50	0.078	ug/L		03/29/24 08:23	03/29/24 21:26	1
PCB-1260 (1C)	<0.078		0.50	0.078	ug/L		03/29/24 08:23	03/29/24 21:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*61*		*10 - 148*	*03/29/24 08:23*	*03/29/24 21:26*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*60*		*10 - 148*	*03/29/24 08:23*	*03/29/24 21:26*	*1*
Tetrachloro-m-xylene (1C)	*48*		*33 - 137*	*03/29/24 08:23*	*03/29/24 21:26*	*1*
Tetrachloro-m-xylene (2C)	*45*		*33 - 137*	*03/29/24 08:23*	*03/29/24 21:26*	*1*

Lab Sample ID: LCS 410-488502/2-A
Matrix: Water
Analysis Batch: 488804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488502

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016 (2C)			5.01	4.01		ug/L		80	60 - 117		
PCB-1260 (2C)			5.02	4.01		ug/L		80	57 - 134		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*81*		*10 - 148*
DCB Decachlorobiphenyl (Surr) (2C)	*79*		*10 - 148*
Tetrachloro-m-xylene (1C)	*62*		*33 - 137*
Tetrachloro-m-xylene (2C)	*59*		*33 - 137*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-487814/1-A
Matrix: Water
Analysis Batch: 487928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.065		0.15	0.065	ug/L		03/27/24 16:15	03/28/24 05:23	1
Silvex (2,4,5-TP) (1C)	<0.022		0.050	0.022	ug/L		03/27/24 16:15	03/28/24 05:23	1
2,4-D (1C)	<0.25		0.60	0.25	ug/L		03/27/24 16:15	03/28/24 05:23	1
2,4-DB (1C)	<0.63		1.5	0.63	ug/L		03/27/24 16:15	03/28/24 05:23	1
Dichlorprop (1C)	<0.16		0.50	0.16	ug/L		03/27/24 16:15	03/28/24 05:23	1
Dalapon (1C)	<5.7		12	5.7	ug/L		03/27/24 16:15	03/28/24 05:23	1
Dicamba (1C)	<0.27		0.55	0.27	ug/L		03/27/24 16:15	03/28/24 05:23	1
Dinoseb (1C)	<0.28		0.60	0.28	ug/L		03/27/24 16:15	03/28/24 05:23	1
MCPP (1C)	<50		200	50	ug/L		03/27/24 16:15	03/28/24 05:23	1
MCPA (1C)	<50		200	50	ug/L		03/27/24 16:15	03/28/24 05:23	1
Pentachlorophenol (1C)	<0.027		0.070	0.027	ug/L		03/27/24 16:15	03/28/24 05:23	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 410-487814/1-A
Matrix: Water
Analysis Batch: 487928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487814

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	76		34 - 142	03/27/24 16:15	03/28/24 05:23	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	86		34 - 142	03/27/24 16:15	03/28/24 05:23	1

Lab Sample ID: LCS 410-487814/2-A
Matrix: Water
Analysis Batch: 487928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T (1C)	0.250	0.219		ug/L		88	57 - 171
Silvex (2,4,5-TP) (2C)	0.250	0.290		ug/L		116	62 - 170
2,4-D (1C)	2.51	1.99		ug/L		79	53 - 159
2,4-DB (1C)	2.51	2.25		ug/L		90	27 - 159
Dichlorprop (2C)	2.50	2.37		ug/L		95	60 - 151
Dalapon (1C)	6.25	<5.7		ug/L		82	26 - 115
Dicamba (1C)	0.250	<0.27		ug/L		75	49 - 140
Dinoseb (2C)	1.25	0.452	J	ug/L		36	10 - 169
MCPP (1C)	251	241		ug/L		96	50 - 144
MCPA (1C)	496	398		ug/L		80	24 - 144
Pentachlorophenol (2C)	0.199	0.207		ug/L		104	56 - 185

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	79		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	89		34 - 142

Lab Sample ID: MB 410-488702/1-A
Matrix: Water
Analysis Batch: 488953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	<0.065		0.15	0.065	ug/L		03/29/24 15:45	04/01/24 06:02	1
Silvex (2,4,5-TP) (1C)	<0.022		0.050	0.022	ug/L		03/29/24 15:45	04/01/24 06:02	1
2,4-D (1C)	<0.25		0.60	0.25	ug/L		03/29/24 15:45	04/01/24 06:02	1
2,4-DB (1C)	<0.63		1.5	0.63	ug/L		03/29/24 15:45	04/01/24 06:02	1
Dichlorprop (1C)	<0.16		0.50	0.16	ug/L		03/29/24 15:45	04/01/24 06:02	1
Dalapon (1C)	<5.7		12	5.7	ug/L		03/29/24 15:45	04/01/24 06:02	1
Dicamba (1C)	<0.27		0.55	0.27	ug/L		03/29/24 15:45	04/01/24 06:02	1
Dinoseb (1C)	<0.28		0.60	0.28	ug/L		03/29/24 15:45	04/01/24 06:02	1
MCPP (1C)	<50		200	50	ug/L		03/29/24 15:45	04/01/24 06:02	1
MCPA (1C)	<50		200	50	ug/L		03/29/24 15:45	04/01/24 06:02	1
Pentachlorophenol (1C)	<0.027		0.070	0.027	ug/L		03/29/24 15:45	04/01/24 06:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	91		34 - 142	03/29/24 15:45	04/01/24 06:02	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 410-488702/1-A
Matrix: Water
Analysis Batch: 488953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488702

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (2C)	79		34 - 142	03/29/24 15:45	04/01/24 06:02	1

Lab Sample ID: LCS 410-488702/2-A
Matrix: Water
Analysis Batch: 488953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488702

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T (1C)			0.250	0.178		ug/L		71	57 - 171		
Silvex (2,4,5-TP) (2C)			0.250	0.197		ug/L		79	62 - 170		
2,4-D (1C)			2.51	1.74		ug/L		69	53 - 159		
2,4-DB (1C)			2.51	1.66		ug/L		66	27 - 159		
Dichlorprop (1C)			2.50	1.87		ug/L		75	60 - 151		
Dalapon (1C)			6.25	<5.7		ug/L		65	26 - 115		
Dicamba (1C)			0.250	<0.27		ug/L		59	49 - 140		
Dinoseb (1C)			1.25	<0.28		ug/L		16	10 - 169		
MCPP (1C)			251	213		ug/L		85	50 - 144		
MCPA (1C)			496	345		ug/L		69	24 - 144		
Pentachlorophenol (2C)			0.199	0.146		ug/L		73	56 - 185		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	66		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	56		34 - 142

Lab Sample ID: LCSD 410-488702/3-A
Matrix: Water
Analysis Batch: 488953

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488702

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (1C)			0.250	0.181		ug/L		72	57 - 171	1	30
Silvex (2,4,5-TP) (2C)			0.250	0.207		ug/L		83	62 - 170	5	30
2,4-D (2C)			2.51	1.85		ug/L		74	53 - 159	6	30
2,4-DB (1C)			2.51	1.68		ug/L		67	27 - 159	1	30
Dichlorprop (1C)			2.50	1.97		ug/L		79	60 - 151	5	30
Dalapon (1C)			6.25	<5.7		ug/L		62	26 - 115	5	30
Dicamba (1C)			0.250	<0.27		ug/L		59	49 - 140	0	30
Dinoseb (1C)			1.25	0.426	J *1	ug/L		34	10 - 169	74	30
MCPP (1C)			251	237		ug/L		94	50 - 144	10	30
MCPA (1C)			496	372		ug/L		75	24 - 144	8	30
Pentachlorophenol (2C)			0.199	0.148		ug/L		75	56 - 185	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	67		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	57		34 - 142

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-487278/10
Matrix: Water
Analysis Batch: 487278

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			03/26/24 14:20	1

Lab Sample ID: LCS 410-487278/9
Matrix: Water
Analysis Batch: 487278

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	100	98.7		ug/L		99	90 - 110

Lab Sample ID: MB 410-489258/12
Matrix: Water
Analysis Batch: 489258

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<5.0		10	5.0	ug/L			04/01/24 13:49	1

Lab Sample ID: LCS 410-489258/9
Matrix: Water
Analysis Batch: 489258

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	100	101		ug/L		101	90 - 110

Lab Sample ID: 410-165398-1 MS
Matrix: Water
Analysis Batch: 489258

Client Sample ID: QL-MW-60-GW-032624
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<5.0		100	94.8		ug/L		95	75 - 125

Lab Sample ID: 410-165398-1 MSD
Matrix: Water
Analysis Batch: 489258

Client Sample ID: QL-MW-60-GW-032624
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<5.0		100	93.8		ug/L		94	75 - 125	1	20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-487343/5
Matrix: Water
Analysis Batch: 487343

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.090		0.20	0.090	mg/L			03/26/24 17:20	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-487343/3
Matrix: Water
Analysis Batch: 487343

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.750	0.767		mg/L		102	90 - 110		

Lab Sample ID: LCSD 410-487343/4
Matrix: Water
Analysis Batch: 487343

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
Fluoride			0.750	0.778		mg/L		104	90 - 110	1	20

Lab Sample ID: 410-165229-1 MS
Matrix: Water
Analysis Batch: 487343

Client Sample ID: QL-DA11-SW-20240325
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	0.58	J	2.50	3.22		mg/L		106	90 - 110		

Lab Sample ID: 410-165229-1 DU
Matrix: Water
Analysis Batch: 487343

Client Sample ID: QL-DA11-SW-20240325
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.58	J		0.580	J	mg/L				0.1	15

Lab Sample ID: MB 410-489357/5
Matrix: Water
Analysis Batch: 489357

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.090		0.20	0.090	mg/L			04/01/24 23:26	1

Lab Sample ID: LCS 410-489357/3
Matrix: Water
Analysis Batch: 489357

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.750	0.710		mg/L		95	90 - 110		

Lab Sample ID: LCSD 410-489357/4
Matrix: Water
Analysis Batch: 489357

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
Fluoride			0.750	0.715		mg/L		95	90 - 110	1	20

Lab Sample ID: 410-165398-2 MS
Matrix: Water
Analysis Batch: 489357

Client Sample ID: QL-MW-52-GW-032624
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	<0.45	F1	2.50	3.25	F1	mg/L		130	90 - 110		

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: 410-165398-2 DU
Matrix: Water
Analysis Batch: 489357

Client Sample ID: QL-MW-52-GW-032624
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	<0.45	F1		<0.45		mg/L				NC	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-487434/1-A
Matrix: Water
Analysis Batch: 488176

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/26/24 22:35	03/28/24 09:11	1
Antimony	<0.20		1.0	0.20	ug/L		03/26/24 22:35	03/28/24 09:11	1
Arsenic	<0.68		2.0	0.68	ug/L		03/26/24 22:35	03/28/24 09:11	1
Barium	<0.75		2.0	0.75	ug/L		03/26/24 22:35	03/28/24 09:11	1
Beryllium	<0.12		0.50	0.12	ug/L		03/26/24 22:35	03/28/24 09:11	1
Cadmium	<0.15		0.50	0.15	ug/L		03/26/24 22:35	03/28/24 09:11	1
Calcium	<50		120	50	ug/L		03/26/24 22:35	03/28/24 09:11	1
Chromium	<0.55		2.0	0.55	ug/L		03/26/24 22:35	03/28/24 09:11	1
Cobalt	<0.16		0.50	0.16	ug/L		03/26/24 22:35	03/28/24 09:11	1
Copper	<0.36		1.0	0.36	ug/L		03/26/24 22:35	03/28/24 09:11	1
Iron	<20		50	20	ug/L		03/26/24 22:35	03/28/24 09:11	1
Lead	<0.12		0.50	0.12	ug/L		03/26/24 22:35	03/28/24 09:11	1
Magnesium	<16		50	16	ug/L		03/26/24 22:35	03/28/24 09:11	1
Manganese	<0.95		2.0	0.95	ug/L		03/26/24 22:35	03/28/24 09:11	1
Nickel	<0.40		1.0	0.40	ug/L		03/26/24 22:35	03/28/24 09:11	1
Potassium	<65		200	65	ug/L		03/26/24 22:35	03/28/24 09:11	1
Selenium	<0.28		1.0	0.28	ug/L		03/26/24 22:35	03/28/24 09:11	1
Silver	<0.10		0.50	0.10	ug/L		03/26/24 22:35	03/28/24 09:11	1
Sodium	<90	^+	200	90	ug/L		03/26/24 22:35	03/28/24 09:11	1
Thallium	<0.13		0.50	0.13	ug/L		03/26/24 22:35	03/28/24 09:11	1
Vanadium	<0.79		4.0	0.79	ug/L		03/26/24 22:35	03/28/24 09:11	1

Lab Sample ID: LCS 410-487434/2-A
Matrix: Water
Analysis Batch: 488176

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487434

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			5000	5110		ug/L		102	87 - 119		
Antimony			100	104		ug/L		104	80 - 120		
Arsenic			500	518		ug/L		104	85 - 120		
Barium			500	522		ug/L		104	80 - 120		
Beryllium			50.0	50.7		ug/L		101	90 - 112		
Cadmium			50.0	52.7		ug/L		105	86 - 113		
Calcium			5000	5190		ug/L		104	85 - 120		
Chromium			500	505		ug/L		101	90 - 115		
Cobalt			500	507		ug/L		101	90 - 113		
Copper			500	520		ug/L		104	80 - 120		
Iron			5000	5080		ug/L		102	88 - 119		
Lead			50.0	52.0		ug/L		104	90 - 115		
Magnesium			5000	5100		ug/L		102	90 - 112		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-487434/2-A
Matrix: Water
Analysis Batch: 488176

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	500	504		ug/L		101	89 - 120
Nickel	500	523		ug/L		105	90 - 114
Potassium	5000	5060		ug/L		101	90 - 112
Selenium	100	104		ug/L		104	80 - 120
Silver	50.0	53.6		ug/L		107	88 - 113
Thallium	100	103		ug/L		103	80 - 120
Vanadium	500	505		ug/L		101	90 - 115
Zinc	500	530		ug/L		106	90 - 115

Lab Sample ID: LCS 410-487434/2-A
Matrix: Water
Analysis Batch: 489709

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	5000	5340		ug/L		107	89 - 112

Lab Sample ID: MB 410-487492/1-A
Matrix: Water
Analysis Batch: 488390

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/27/24 08:19	03/28/24 15:00	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 08:19	03/28/24 15:00	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 08:19	03/28/24 15:00	1
Barium	<0.75		2.0	0.75	ug/L		03/27/24 08:19	03/28/24 15:00	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 08:19	03/28/24 15:00	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 08:19	03/28/24 15:00	1
Calcium	<50		120	50	ug/L		03/27/24 08:19	03/28/24 15:00	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 08:19	03/28/24 15:00	1
Cobalt	<0.16		0.50	0.16	ug/L		03/27/24 08:19	03/28/24 15:00	1
Copper	<0.36		1.0	0.36	ug/L		03/27/24 08:19	03/28/24 15:00	1
Iron	<20		50	20	ug/L		03/27/24 08:19	03/28/24 15:00	1
Lead	<0.12		0.50	0.12	ug/L		03/27/24 08:19	03/28/24 15:00	1
Magnesium	<16		50	16	ug/L		03/27/24 08:19	03/28/24 15:00	1
Manganese	<0.95		2.0	0.95	ug/L		03/27/24 08:19	03/28/24 15:00	1
Nickel	<0.40		1.0	0.40	ug/L		03/27/24 08:19	03/28/24 15:00	1
Potassium	<65		200	65	ug/L		03/27/24 08:19	03/28/24 15:00	1
Selenium	<0.28		1.0	0.28	ug/L		03/27/24 08:19	03/28/24 15:00	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 08:19	03/28/24 15:00	1
Sodium	<90		200	90	ug/L		03/27/24 08:19	03/28/24 15:00	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 08:19	03/28/24 15:00	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 08:19	03/28/24 15:00	1

Lab Sample ID: MB 410-487492/1-A
Matrix: Water
Analysis Batch: 489172

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	4.59	J	10	4.0	ug/L		03/27/24 08:19	04/01/24 09:52	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-487492/2-A
Matrix: Water
Analysis Batch: 488390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5030		ug/L		101	87 - 119
Antimony	100	100		ug/L		100	80 - 120
Arsenic	500	490		ug/L		98	85 - 120
Barium	500	510		ug/L		102	80 - 120
Beryllium	50.0	52.2		ug/L		104	90 - 112
Cadmium	50.0	50.7		ug/L		101	86 - 113
Calcium	5000	4870		ug/L		97	85 - 120
Chromium	500	499		ug/L		100	90 - 115
Cobalt	500	488		ug/L		98	90 - 113
Copper	500	486		ug/L		97	80 - 120
Iron	5000	4990		ug/L		100	88 - 119
Lead	50.0	51.7		ug/L		103	90 - 115
Magnesium	5000	5060		ug/L		101	90 - 112
Manganese	500	496		ug/L		99	89 - 120
Nickel	500	506		ug/L		101	90 - 114
Potassium	5000	4880		ug/L		98	90 - 112
Selenium	100	98.7		ug/L		99	80 - 120
Silver	50.0	53.0		ug/L		106	88 - 113
Sodium	5000	4910		ug/L		98	89 - 112
Thallium	100	98.8		ug/L		99	80 - 120
Vanadium	500	494		ug/L		99	90 - 115
Zinc	500	505		ug/L		101	90 - 115

Lab Sample ID: LCSD 410-487492/3-A
Matrix: Water
Analysis Batch: 488390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 487492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5000	5100		ug/L		102	87 - 119	1	20
Antimony	100	99.7		ug/L		100	80 - 120	1	20
Arsenic	500	492		ug/L		98	85 - 120	0	20
Barium	500	508		ug/L		102	80 - 120	1	20
Beryllium	50.0	52.8		ug/L		106	90 - 112	1	20
Cadmium	50.0	51.0		ug/L		102	86 - 113	1	20
Calcium	5000	5060		ug/L		101	85 - 120	4	20
Chromium	500	504		ug/L		101	90 - 115	1	20
Cobalt	500	490		ug/L		98	90 - 113	0	20
Copper	500	486		ug/L		97	80 - 120	0	20
Iron	5000	5090		ug/L		102	88 - 119	2	20
Lead	50.0	52.0		ug/L		104	90 - 115	1	20
Magnesium	5000	5130		ug/L		103	90 - 112	1	20
Manganese	500	500		ug/L		100	89 - 120	1	20
Nickel	500	503		ug/L		101	90 - 114	0	20
Potassium	5000	4900		ug/L		98	90 - 112	0	20
Selenium	100	99.5		ug/L		100	80 - 120	1	20
Silver	50.0	53.0		ug/L		106	88 - 113	0	20
Sodium	5000	5010		ug/L		100	89 - 112	2	20
Thallium	100	100		ug/L		100	80 - 120	1	20
Vanadium	500	502		ug/L		100	90 - 115	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 410-487492/3-A
Matrix: Water
Analysis Batch: 488390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 487492

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc			500	510		ug/L		102	90 - 115	1	20

Lab Sample ID: MB 410-487881/1-A
Matrix: Water
Analysis Batch: 488393

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/27/24 21:30	03/28/24 15:48	1
Antimony	<0.20		1.0	0.20	ug/L		03/27/24 21:30	03/28/24 15:48	1
Arsenic	<0.68		2.0	0.68	ug/L		03/27/24 21:30	03/28/24 15:48	1
Barium	<0.75		2.0	0.75	ug/L		03/27/24 21:30	03/28/24 15:48	1
Beryllium	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 15:48	1
Cadmium	<0.15		0.50	0.15	ug/L		03/27/24 21:30	03/28/24 15:48	1
Calcium	<50		120	50	ug/L		03/27/24 21:30	03/28/24 15:48	1
Chromium	<0.55		2.0	0.55	ug/L		03/27/24 21:30	03/28/24 15:48	1
Cobalt	<0.16		0.50	0.16	ug/L		03/27/24 21:30	03/28/24 15:48	1
Copper	<0.36		1.0	0.36	ug/L		03/27/24 21:30	03/28/24 15:48	1
Iron	<20		50	20	ug/L		03/27/24 21:30	03/28/24 15:48	1
Lead	<0.12		0.50	0.12	ug/L		03/27/24 21:30	03/28/24 15:48	1
Magnesium	<16		50	16	ug/L		03/27/24 21:30	03/28/24 15:48	1
Manganese	<0.95		2.0	0.95	ug/L		03/27/24 21:30	03/28/24 15:48	1
Nickel	0.719	J	1.0	0.40	ug/L		03/27/24 21:30	03/28/24 15:48	1
Potassium	<65		200	65	ug/L		03/27/24 21:30	03/28/24 15:48	1
Selenium	<0.28		1.0	0.28	ug/L		03/27/24 21:30	03/28/24 15:48	1
Silver	<0.10		0.50	0.10	ug/L		03/27/24 21:30	03/28/24 15:48	1
Sodium	<90		200	90	ug/L		03/27/24 21:30	03/28/24 15:48	1
Thallium	<0.13		0.50	0.13	ug/L		03/27/24 21:30	03/28/24 15:48	1
Vanadium	<0.79		4.0	0.79	ug/L		03/27/24 21:30	03/28/24 15:48	1
Zinc	4.25	J	10	4.0	ug/L		03/27/24 21:30	03/28/24 15:48	1

Lab Sample ID: LCS 410-487881/2-A
Matrix: Water
Analysis Batch: 488393

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487881

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			5000	4990		ug/L		100	87 - 119
Antimony			100	98.5		ug/L		99	80 - 120
Arsenic			500	494		ug/L		99	85 - 120
Barium			500	487		ug/L		97	80 - 120
Beryllium			50.0	50.7		ug/L		101	90 - 112
Cadmium			50.0	49.1		ug/L		98	86 - 113
Calcium			5000	4960		ug/L		99	85 - 120
Chromium			500	497		ug/L		99	90 - 115
Cobalt			500	496		ug/L		99	90 - 113
Copper			500	497		ug/L		99	80 - 120
Iron			5000	5070		ug/L		101	88 - 119
Lead			50.0	49.9		ug/L		100	90 - 115
Magnesium			5000	4950		ug/L		99	90 - 112
Manganese			500	501		ug/L		100	89 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-487881/2-A
Matrix: Water
Analysis Batch: 488393

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	500	494		ug/L		99	90 - 114
Potassium	5000	5000		ug/L		100	90 - 112
Selenium	100	103		ug/L		103	80 - 120
Silver	50.0	50.9		ug/L		102	88 - 113
Sodium	5000	4950		ug/L		99	89 - 112
Thallium	100	99.3		ug/L		99	80 - 120
Vanadium	500	498		ug/L		100	90 - 115
Zinc	500	498		ug/L		100	90 - 115

Lab Sample ID: MB 410-488128/1-A
Matrix: Water
Analysis Batch: 489390

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 488128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 08:05	04/01/24 16:26	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 08:05	04/01/24 16:26	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 08:05	04/01/24 16:26	1
Barium	<0.75		2.0	0.75	ug/L		03/29/24 08:05	04/01/24 16:26	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 16:26	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 08:05	04/01/24 16:26	1
Calcium	<50		120	50	ug/L		03/29/24 08:05	04/01/24 16:26	1
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 08:05	04/01/24 16:26	1
Cobalt	<0.16		0.50	0.16	ug/L		03/29/24 08:05	04/01/24 16:26	1
Copper	1.12		1.0	0.36	ug/L		03/29/24 08:05	04/01/24 16:26	1
Iron	<20		50	20	ug/L		03/29/24 08:05	04/01/24 16:26	1
Lead	<0.12		0.50	0.12	ug/L		03/29/24 08:05	04/01/24 16:26	1
Magnesium	<16		50	16	ug/L		03/29/24 08:05	04/01/24 16:26	1
Manganese	<0.95		2.0	0.95	ug/L		03/29/24 08:05	04/01/24 16:26	1
Nickel	<0.40		1.0	0.40	ug/L		03/29/24 08:05	04/01/24 16:26	1
Potassium	<65		200	65	ug/L		03/29/24 08:05	04/01/24 16:26	1
Selenium	<0.28		1.0	0.28	ug/L		03/29/24 08:05	04/01/24 16:26	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 08:05	04/01/24 16:26	1
Sodium	<90		200	90	ug/L		03/29/24 08:05	04/01/24 16:26	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 08:05	04/01/24 16:26	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 08:05	04/01/24 16:26	1
Zinc	<4.0		10	4.0	ug/L		03/29/24 08:05	04/01/24 16:26	1

Lab Sample ID: LCS 410-488128/2-A
Matrix: Water
Analysis Batch: 489390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 488128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	4850		ug/L		97	87 - 119
Antimony	100	95.9		ug/L		96	80 - 120
Arsenic	500	479		ug/L		96	85 - 120
Barium	500	494		ug/L		99	80 - 120
Beryllium	50.0	50.4		ug/L		101	90 - 112
Cadmium	50.0	49.4		ug/L		99	86 - 113
Calcium	5000	5080		ug/L		102	85 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-488128/2-A
Matrix: Water
Analysis Batch: 489390

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 488128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	493		ug/L		99	90 - 115
Cobalt	500	491		ug/L		98	90 - 113
Copper	500	482		ug/L		96	80 - 120
Iron	5000	4940		ug/L		99	88 - 119
Lead	50.0	50.0		ug/L		100	90 - 115
Magnesium	5000	4900		ug/L		98	90 - 112
Manganese	500	493		ug/L		99	89 - 120
Nickel	500	485		ug/L		97	90 - 114
Potassium	5000	5050		ug/L		101	90 - 112
Selenium	100	98.5		ug/L		98	80 - 120
Silver	50.0	50.6		ug/L		101	88 - 113
Sodium	5000	4930		ug/L		99	89 - 112
Thallium	100	98.2		ug/L		98	80 - 120
Vanadium	500	492		ug/L		98	90 - 115
Zinc	500	480		ug/L		96	90 - 115

Lab Sample ID: MB 410-488805/1-A
Matrix: Water
Analysis Batch: 489389

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 488805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 21:00	04/01/24 19:41	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 21:00	04/01/24 19:41	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 21:00	04/01/24 19:41	1
Barium	<0.75		2.0	0.75	ug/L		03/29/24 21:00	04/01/24 19:41	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 19:41	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 21:00	04/01/24 19:41	1
Calcium	<50	^3+	120	50	ug/L		03/29/24 21:00	04/01/24 19:41	1
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 21:00	04/01/24 19:41	1
Cobalt	<0.16		0.50	0.16	ug/L		03/29/24 21:00	04/01/24 19:41	1
Copper	<0.36		1.0	0.36	ug/L		03/29/24 21:00	04/01/24 19:41	1
Iron	<20		50	20	ug/L		03/29/24 21:00	04/01/24 19:41	1
Lead	<0.12		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 19:41	1
Magnesium	<16		50	16	ug/L		03/29/24 21:00	04/01/24 19:41	1
Manganese	<0.95		2.0	0.95	ug/L		03/29/24 21:00	04/01/24 19:41	1
Nickel	<0.40		1.0	0.40	ug/L		03/29/24 21:00	04/01/24 19:41	1
Potassium	<65		200	65	ug/L		03/29/24 21:00	04/01/24 19:41	1
Selenium	<0.28		1.0	0.28	ug/L		03/29/24 21:00	04/01/24 19:41	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 21:00	04/01/24 19:41	1
Sodium	<90		200	90	ug/L		03/29/24 21:00	04/01/24 19:41	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 21:00	04/01/24 19:41	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 21:00	04/01/24 19:41	1
Zinc	<4.0		10	4.0	ug/L		03/29/24 21:00	04/01/24 19:41	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-488805/1-A
Matrix: Water
Analysis Batch: 489389

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 488805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		03/29/24 21:00	04/01/24 20:49	1
Antimony	<0.20		1.0	0.20	ug/L		03/29/24 21:00	04/01/24 20:49	1
Arsenic	<0.68		2.0	0.68	ug/L		03/29/24 21:00	04/01/24 20:49	1
Barium	<0.75		2.0	0.75	ug/L		03/29/24 21:00	04/01/24 20:49	1
Beryllium	<0.12		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 20:49	1
Cadmium	<0.15		0.50	0.15	ug/L		03/29/24 21:00	04/01/24 20:49	1
Calcium	<50	^3+	120	50	ug/L		03/29/24 21:00	04/01/24 20:49	1
Chromium	<0.55		2.0	0.55	ug/L		03/29/24 21:00	04/01/24 20:49	1
Cobalt	<0.16		0.50	0.16	ug/L		03/29/24 21:00	04/01/24 20:49	1
Copper	<0.36		1.0	0.36	ug/L		03/29/24 21:00	04/01/24 20:49	1
Iron	<20		50	20	ug/L		03/29/24 21:00	04/01/24 20:49	1
Lead	<0.12		0.50	0.12	ug/L		03/29/24 21:00	04/01/24 20:49	1
Magnesium	<16		50	16	ug/L		03/29/24 21:00	04/01/24 20:49	1
Manganese	<0.95		2.0	0.95	ug/L		03/29/24 21:00	04/01/24 20:49	1
Nickel	<0.40		1.0	0.40	ug/L		03/29/24 21:00	04/01/24 20:49	1
Potassium	<65		200	65	ug/L		03/29/24 21:00	04/01/24 20:49	1
Selenium	<0.28		1.0	0.28	ug/L		03/29/24 21:00	04/01/24 20:49	1
Silver	<0.10		0.50	0.10	ug/L		03/29/24 21:00	04/01/24 20:49	1
Sodium	<90		200	90	ug/L		03/29/24 21:00	04/01/24 20:49	1
Thallium	<0.13		0.50	0.13	ug/L		03/29/24 21:00	04/01/24 20:49	1
Vanadium	<0.79		4.0	0.79	ug/L		03/29/24 21:00	04/01/24 20:49	1
Zinc	<4.0		10	4.0	ug/L		03/29/24 21:00	04/01/24 20:49	1

Lab Sample ID: LCS 410-488805/2-A
Matrix: Water
Analysis Batch: 489389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 488805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	4830		ug/L		97	87 - 119
Antimony	100	100		ug/L		100	80 - 120
Arsenic	500	505		ug/L		101	85 - 120
Barium	500	506		ug/L		101	80 - 120
Beryllium	50.0	45.7		ug/L		91	90 - 112
Cadmium	50.0	51.0		ug/L		102	86 - 113
Calcium	5000	4900	^3+	ug/L		98	85 - 120
Chromium	500	500		ug/L		100	90 - 115
Cobalt	500	501		ug/L		100	90 - 113
Copper	500	507		ug/L		101	80 - 120
Iron	5000	4980		ug/L		100	88 - 119
Lead	50.0	50.4		ug/L		101	90 - 115
Magnesium	5000	4920		ug/L		98	90 - 112
Manganese	500	498		ug/L		100	89 - 120
Nickel	500	505		ug/L		101	90 - 114
Potassium	5000	5010		ug/L		100	90 - 112
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	52.5		ug/L		105	88 - 113
Sodium	5000	5050		ug/L		101	89 - 112
Thallium	100	100		ug/L		100	80 - 120
Vanadium	500	499		ug/L		100	90 - 115

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-488805/2-A
Matrix: Water
Analysis Batch: 489389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 488805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	500	503		ug/L		101	90 - 115

Lab Sample ID: LCS 410-488805/2-A
Matrix: Water
Analysis Batch: 489389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 488805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	4880		ug/L		98	87 - 119
Antimony	100	99.9		ug/L		100	80 - 120
Arsenic	500	510		ug/L		102	85 - 120
Barium	500	499		ug/L		100	80 - 120
Beryllium	50.0	45.5		ug/L		91	90 - 112
Cadmium	50.0	50.3		ug/L		101	86 - 113
Calcium	5000	4970	^3+	ug/L		99	85 - 120
Chromium	500	501		ug/L		100	90 - 115
Cobalt	500	499		ug/L		100	90 - 113
Copper	500	512		ug/L		102	80 - 120
Iron	5000	5000		ug/L		100	88 - 119
Lead	50.0	50.8		ug/L		102	90 - 115
Magnesium	5000	4900		ug/L		98	90 - 112
Manganese	500	494		ug/L		99	89 - 120
Nickel	500	509		ug/L		102	90 - 114
Potassium	5000	4980		ug/L		100	90 - 112
Selenium	100	101		ug/L		101	80 - 120
Silver	50.0	52.6		ug/L		105	88 - 113
Sodium	5000	4990		ug/L		100	89 - 112
Thallium	100	100		ug/L		100	80 - 120
Vanadium	500	499		ug/L		100	90 - 115
Zinc	500	509		ug/L		102	90 - 115

Lab Sample ID: MB 410-490453/1-A
Matrix: Water
Analysis Batch: 490724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 490453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<12		25	12	ug/L		04/03/24 22:10	04/04/24 08:13	1
Antimony	<0.20		1.0	0.20	ug/L		04/03/24 22:10	04/04/24 08:13	1
Arsenic	<0.68		2.0	0.68	ug/L		04/03/24 22:10	04/04/24 08:13	1
Barium	<0.75		2.0	0.75	ug/L		04/03/24 22:10	04/04/24 08:13	1
Beryllium	<0.12		0.50	0.12	ug/L		04/03/24 22:10	04/04/24 08:13	1
Cadmium	<0.15		0.50	0.15	ug/L		04/03/24 22:10	04/04/24 08:13	1
Calcium	<50		120	50	ug/L		04/03/24 22:10	04/04/24 08:13	1
Chromium	<0.55		2.0	0.55	ug/L		04/03/24 22:10	04/04/24 08:13	1
Cobalt	<0.16		0.50	0.16	ug/L		04/03/24 22:10	04/04/24 08:13	1
Copper	<0.36		1.0	0.36	ug/L		04/03/24 22:10	04/04/24 08:13	1
Iron	<20		50	20	ug/L		04/03/24 22:10	04/04/24 08:13	1
Lead	<0.12		0.50	0.12	ug/L		04/03/24 22:10	04/04/24 08:13	1
Magnesium	17.3	J	50	16	ug/L		04/03/24 22:10	04/04/24 08:13	1
Manganese	<0.95		2.0	0.95	ug/L		04/03/24 22:10	04/04/24 08:13	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-490453/1-A
Matrix: Water
Analysis Batch: 490724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 490453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.40	^5-	1.0	0.40	ug/L		04/03/24 22:10	04/04/24 08:13	1
Potassium	<65		200	65	ug/L		04/03/24 22:10	04/04/24 08:13	1
Selenium	<0.28		1.0	0.28	ug/L		04/03/24 22:10	04/04/24 08:13	1
Silver	<0.10	^5-	0.50	0.10	ug/L		04/03/24 22:10	04/04/24 08:13	1
Sodium	<90		200	90	ug/L		04/03/24 22:10	04/04/24 08:13	1
Thallium	<0.13		0.50	0.13	ug/L		04/03/24 22:10	04/04/24 08:13	1
Vanadium	<0.79		4.0	0.79	ug/L		04/03/24 22:10	04/04/24 08:13	1
Zinc	<4.0		10	4.0	ug/L		04/03/24 22:10	04/04/24 08:13	1

Lab Sample ID: LCS 410-490453/2-A
Matrix: Water
Analysis Batch: 490724

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 490453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5080		ug/L		102	87 - 119
Antimony	100	107		ug/L		107	80 - 120
Arsenic	500	516		ug/L		103	85 - 120
Barium	500	513		ug/L		103	80 - 120
Beryllium	50.0	49.2		ug/L		98	90 - 112
Cadmium	50.0	51.5		ug/L		103	86 - 113
Calcium	5000	5030		ug/L		101	85 - 120
Chromium	500	516		ug/L		103	90 - 115
Cobalt	500	523		ug/L		105	90 - 113
Copper	500	527		ug/L		105	80 - 120
Iron	5000	5240		ug/L		105	88 - 119
Lead	50.0	51.0		ug/L		102	90 - 115
Magnesium	5000	4980		ug/L		100	90 - 112
Manganese	500	512		ug/L		102	89 - 120
Nickel	500	510	^5-	ug/L		102	90 - 114
Potassium	5000	5110		ug/L		102	90 - 112
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	52.2	^5-	ug/L		104	88 - 113
Sodium	5000	5000		ug/L		100	89 - 112
Thallium	100	99.2		ug/L		99	80 - 120
Vanadium	500	522		ug/L		104	90 - 115
Zinc	500	515		ug/L		103	90 - 115

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-487705/1-A
Matrix: Water
Analysis Batch: 488609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		03/28/24 09:45	03/29/24 10:26	1

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

Lab Sample ID: LCS 410-487705/2-A
Matrix: Water
Analysis Batch: 488609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.951		ug/L		95	80 - 118

Lab Sample ID: MB 410-488862/1-A
Matrix: Water
Analysis Batch: 489558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/01/24 09:30	04/02/24 07:35	1

Lab Sample ID: LCS 410-488862/2-A
Matrix: Water
Analysis Batch: 489558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.884		ug/L		88	80 - 118

Lab Sample ID: MB 410-489619/1-A
Matrix: Water
Analysis Batch: 490232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/02/24 10:55	04/03/24 09:39	1

Lab Sample ID: LCS 410-489619/2-A
Matrix: Water
Analysis Batch: 490232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.853		ug/L		85	80 - 118

Method: 9040C - pH

Lab Sample ID: LCS 410-489015/1
Matrix: Water
Analysis Batch: 489015

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		S.U.		100	95 - 105

Lab Sample ID: 410-165398-3 DU
Matrix: Water
Analysis Batch: 489015

Client Sample ID: QL-GEI-07-20240326
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.5	HF	7.6		S.U.		0.3	4
Temperature	20.1	HF	20.3		Degrees C		1	4

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-489706/37
Matrix: Water
Analysis Batch: 489706

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	<0.0050		0.0060	0.0050	mg/L			04/01/24 16:57	1

Lab Sample ID: LCS 410-489706/36
Matrix: Water
Analysis Batch: 489706

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Free			0.0500	0.0585		mg/L		117	82 - 132		

Lab Sample ID: 410-165229-1 MS
Matrix: Water
Analysis Batch: 489706

Client Sample ID: QL-DA11-SW-20240325
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Free	<0.0050	F1	0.0500	0.0470		mg/L		94	82 - 130		

Lab Sample ID: 410-165229-1 MSD
Matrix: Water
Analysis Batch: 489706

Client Sample ID: QL-DA11-SW-20240325
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Free	<0.0050	F1	0.0500	0.0454		mg/L		91	82 - 130	3	11

GC/MS VOA

Analysis Batch: 487516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8260D	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8260D	
410-165229-3	TB-032524	Total/NA	Water	8260D	
MB 410-487516/9	Method Blank	Total/NA	Water	8260D	
LCS 410-487516/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 487991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8260D	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8260D	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8260D	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8260D	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8260D	
410-165398-6	TB-032624	Total/NA	Water	8260D	
MB 410-487991/7	Method Blank	Total/NA	Water	8260D	
LCS 410-487991/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-487991/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 488267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	3510C	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	3510C	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	3510C	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	3510C	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	3510C	
MB 410-488267/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-488267/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 488438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8270E	488267
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8270E	488267
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8270E	488267
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8270E	488267
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8270E	488267
MB 410-488267/1-A	Method Blank	Total/NA	Water	8270E	488267
LCS 410-488267/2-A	Lab Control Sample	Total/NA	Water	8270E	488267

Prep Batch: 488689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	3510C	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	3510C	
MB 410-488689/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-488689/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 488980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8270E	488689
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8270E	488689

GC/MS Semi VOA (Continued)

Analysis Batch: 488980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-488689/1-A	Method Blank	Total/NA	Water	8270E	488689
LCS 410-488689/2-A	Lab Control Sample	Total/NA	Water	8270E	488689

GC VOA

Analysis Batch: 488535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8015D	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8015D	
MB 410-488535/5	Method Blank	Total/NA	Water	8015D	
LCS 410-488535/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-488535/7	Lab Control Sample Dup	Total/NA	Water	8015D	

Analysis Batch: 488538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8015D	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8015D	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8015D	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8015D	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8015D	
MB 410-488538/5	Method Blank	Total/NA	Water	8015D	
LCS 410-488538/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-488538/7	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 487560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	3510C	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	3510C	
MB 410-487560/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-487560/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-487560/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 487562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8081B	487565
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8081B	487565
MB 410-487565/1-A	Method Blank	Total/NA	Water	8081B	487565
LCS 410-487565/2-A	Lab Control Sample	Total/NA	Water	8081B	487565
LCSD 410-487565/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	487565

Prep Batch: 487565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	3510C	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	3510C	
MB 410-487565/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-487565/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-487565/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA

Prep Batch: 487566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	3510C	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	3510C	
MB 410-487566/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-487566/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-487566/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 487814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8151A	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8151A	
MB 410-487814/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-487814/2-A	Lab Control Sample	Total/NA	Water	8151A	

Analysis Batch: 487898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8082A	487566
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8082A	487566
MB 410-487566/1-A	Method Blank	Total/NA	Water	8082A	487566
LCS 410-487566/2-A	Lab Control Sample	Total/NA	Water	8082A	487566
LCSD 410-487566/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	487566

Analysis Batch: 487928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8151A	487814
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8151A	487814
MB 410-487814/1-A	Method Blank	Total/NA	Water	8151A	487814
LCS 410-487814/2-A	Lab Control Sample	Total/NA	Water	8151A	487814

Analysis Batch: 488071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	8015D	487560
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	8015D	487560
MB 410-487560/1-A	Method Blank	Total/NA	Water	8015D	487560
LCS 410-487560/2-A	Lab Control Sample	Total/NA	Water	8015D	487560
LCSD 410-487560/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	487560

Prep Batch: 488502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	3510C	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	3510C	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	3510C	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	3510C	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	3510C	
MB 410-488502/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-488502/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 488503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	3510C	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	3510C	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 488503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	3510C	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	3510C	
MB 410-488503/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-488503/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-488503/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 488692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	3510C	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	3510C	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	3510C	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	3510C	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	3510C	
MB 410-488692/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-488692/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-488692/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 488702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8151A	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8151A	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8151A	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8151A	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8151A	
MB 410-488702/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-488702/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-488702/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 488804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8082A	488502
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8082A	488502
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8082A	488502
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8082A	488502
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8082A	488502
MB 410-488502/1-A	Method Blank	Total/NA	Water	8082A	488502
LCS 410-488502/2-A	Lab Control Sample	Total/NA	Water	8082A	488502

Analysis Batch: 488809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8015D	488692
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8015D	488692
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8015D	488692
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8015D	488692
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8015D	488692
MB 410-488692/1-A	Method Blank	Total/NA	Water	8015D	488692
LCS 410-488692/2-A	Lab Control Sample	Total/NA	Water	8015D	488692
LCSD 410-488692/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	488692

QC Association Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

GC Semi VOA

Analysis Batch: 488942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8081B	488503
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8081B	488503
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8081B	488503
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8081B	488503
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8081B	488503
MB 410-488503/1-A	Method Blank	Total/NA	Water	8081B	488503
LCS 410-488503/2-A	Lab Control Sample	Total/NA	Water	8081B	488503
LCSD 410-488503/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	488503

Analysis Batch: 488953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	8151A	488702
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	8151A	488702
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	8151A	488702
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	8151A	488702
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	8151A	488702
MB 410-488702/1-A	Method Blank	Total/NA	Water	8151A	488702
LCS 410-488702/2-A	Lab Control Sample	Total/NA	Water	8151A	488702
LCSD 410-488702/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	488702

HPLC/IC

Analysis Batch: 487278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Dissolved	Water	218.6	
410-165229-2	QL-DA2-SW-20240325	Dissolved	Water	218.6	
MB 410-487278/10	Method Blank	Total/NA	Water	218.6	
LCS 410-487278/9	Lab Control Sample	Total/NA	Water	218.6	

Analysis Batch: 487343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	EPA 300.0 R2.1	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	EPA 300.0 R2.1	
MB 410-487343/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-487343/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-487343/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
410-165229-1 MS	QL-DA11-SW-20240325	Total/NA	Water	EPA 300.0 R2.1	
410-165229-1 DU	QL-DA11-SW-20240325	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 489258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	218.6	
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	218.6	
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	218.6	
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	218.6	
410-165398-5	QL-GEI-14-20240326	Dissolved	Water	218.6	
MB 410-489258/12	Method Blank	Total/NA	Water	218.6	
LCS 410-489258/9	Lab Control Sample	Total/NA	Water	218.6	
410-165398-1 MS	QL-MW-60-GW-032624	Dissolved	Water	218.6	
410-165398-1 MSD	QL-MW-60-GW-032624	Dissolved	Water	218.6	

HPLC/IC

Analysis Batch: 489357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	EPA 300.0 R2.1	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	EPA 300.0 R2.1	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	EPA 300.0 R2.1	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	EPA 300.0 R2.1	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	EPA 300.0 R2.1	
MB 410-489357/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-489357/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-489357/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
410-165398-2 MS	QL-MW-52-GW-032624	Total/NA	Water	EPA 300.0 R2.1	
410-165398-2 DU	QL-MW-52-GW-032624	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 487434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total Recoverable	Water	3005A	
410-165229-2	QL-DA2-SW-20240325	Total Recoverable	Water	3005A	
MB 410-487434/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-487434/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 487492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Dissolved	Water	3005A	
410-165229-2	QL-DA2-SW-20240325	Dissolved	Water	3005A	
MB 410-487492/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-487492/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 410-487492/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 487705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Dissolved	Water	7470A	
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	7470A	
410-165229-2	QL-DA2-SW-20240325	Dissolved	Water	7470A	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	7470A	
MB 410-487705/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-487705/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 487881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total Recoverable	Water	3005A	
410-165398-2	QL-MW-52-GW-032624	Total Recoverable	Water	3005A	
410-165398-3	QL-GEI-07-20240326	Total Recoverable	Water	3005A	
410-165398-4	QL-GEI-11-20240326	Total Recoverable	Water	3005A	
MB 410-487881/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-487881/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 488128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	3005A	
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	3005A	
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 488128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	3005A	
MB 410-488128/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-488128/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 488176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total Recoverable	Water	6020B	487434
410-165229-2	QL-DA2-SW-20240325	Total Recoverable	Water	6020B	487434
MB 410-487434/1-A	Method Blank	Total Recoverable	Water	6020B	487434
LCS 410-487434/2-A	Lab Control Sample	Total Recoverable	Water	6020B	487434

Analysis Batch: 488390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Dissolved	Water	6020B	487492
410-165229-2	QL-DA2-SW-20240325	Dissolved	Water	6020B	487492
MB 410-487492/1-A	Method Blank	Total Recoverable	Water	6020B	487492
LCS 410-487492/2-A	Lab Control Sample	Total Recoverable	Water	6020B	487492
LCSD 410-487492/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	487492

Analysis Batch: 488393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Total Recoverable	Water	6020B	487881
410-165398-2	QL-MW-52-GW-032624	Total Recoverable	Water	6020B	487881
410-165398-2	QL-MW-52-GW-032624	Total Recoverable	Water	6020B	487881
410-165398-3	QL-GEI-07-20240326	Total Recoverable	Water	6020B	487881
410-165398-4	QL-GEI-11-20240326	Total Recoverable	Water	6020B	487881
MB 410-487881/1-A	Method Blank	Total Recoverable	Water	6020B	487881
LCS 410-487881/2-A	Lab Control Sample	Total Recoverable	Water	6020B	487881

Analysis Batch: 488609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Dissolved	Water	7470A	487705
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	7470A	487705
410-165229-2	QL-DA2-SW-20240325	Dissolved	Water	7470A	487705
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	7470A	487705
MB 410-487705/1-A	Method Blank	Total/NA	Water	7470A	487705
LCS 410-487705/2-A	Lab Control Sample	Total/NA	Water	7470A	487705

Prep Batch: 488805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-5	QL-GEI-14-20240326	Dissolved	Water	3005A	
410-165398-5	QL-GEI-14-20240326	Total Recoverable	Water	3005A	
MB 410-488805/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-488805/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 488862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-5	QL-GEI-14-20240326	Dissolved	Water	7470A	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	7470A	
MB 410-488862/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-488862/2-A	Lab Control Sample	Total/NA	Water	7470A	

Metals

Analysis Batch: 489172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Dissolved	Water	6020B	487492
410-165229-2	QL-DA2-SW-20240325	Dissolved	Water	6020B	487492
MB 410-487492/1-A	Method Blank	Total Recoverable	Water	6020B	487492

Analysis Batch: 489389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-5	QL-GEI-14-20240326	Dissolved	Water	6020B	488805
410-165398-5	QL-GEI-14-20240326	Total Recoverable	Water	6020B	488805
410-165398-5	QL-GEI-14-20240326	Total Recoverable	Water	6020B	488805
MB 410-488805/1-A	Method Blank	Total Recoverable	Water	6020B	488805
MB 410-488805/1-A	Method Blank	Total Recoverable	Water	6020B	488805
LCS 410-488805/2-A	Lab Control Sample	Total Recoverable	Water	6020B	488805
LCS 410-488805/2-A	Lab Control Sample	Total Recoverable	Water	6020B	488805

Analysis Batch: 489390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	6020B	488128
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	6020B	488128
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	6020B	488128
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	6020B	488128
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	6020B	488128
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	6020B	488128
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	6020B	488128
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	6020B	488128
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	6020B	488128
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	6020B	488128
410-165398-5	QL-GEI-14-20240326	Dissolved	Water	6020B	488805
MB 410-488128/1-A	Method Blank	Total Recoverable	Water	6020B	488128
LCS 410-488128/2-A	Lab Control Sample	Total Recoverable	Water	6020B	488128

Analysis Batch: 489558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-5	QL-GEI-14-20240326	Dissolved	Water	7470A	488862
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	7470A	488862
MB 410-488862/1-A	Method Blank	Total/NA	Water	7470A	488862
LCS 410-488862/2-A	Lab Control Sample	Total/NA	Water	7470A	488862

Prep Batch: 489619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	7470A	
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	7470A	
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	7470A	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	7470A	
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	7470A	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	7470A	
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	7470A	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	7470A	
MB 410-489619/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-489619/2-A	Lab Control Sample	Total/NA	Water	7470A	

Metals

Analysis Batch: 489709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total Recoverable	Water	6020B	487434
410-165229-2	QL-DA2-SW-20240325	Total Recoverable	Water	6020B	487434
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	6020B	488128
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	6020B	488128
LCS 410-487434/2-A	Lab Control Sample	Total Recoverable	Water	6020B	487434

Analysis Batch: 489923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-3	QL-GEI-07-20240326	Total Recoverable	Water	6020B	487881
410-165398-4	QL-GEI-11-20240326	Total Recoverable	Water	6020B	487881

Analysis Batch: 490232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-1	QL-MW-60-GW-032624	Dissolved	Water	7470A	489619
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	7470A	489619
410-165398-2	QL-MW-52-GW-032624	Dissolved	Water	7470A	489619
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	7470A	489619
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	7470A	489619
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	7470A	489619
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	7470A	489619
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	7470A	489619
MB 410-489619/1-A	Method Blank	Total/NA	Water	7470A	489619
LCS 410-489619/2-A	Lab Control Sample	Total/NA	Water	7470A	489619

Prep Batch: 490453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total Recoverable	Water	3005A	
410-165229-2	QL-DA2-SW-20240325	Total Recoverable	Water	3005A	
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	3005A	
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	3005A	
MB 410-490453/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-490453/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 490724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total Recoverable	Water	6020B	490453
410-165229-2	QL-DA2-SW-20240325	Total Recoverable	Water	6020B	490453
410-165398-3	QL-GEI-07-20240326	Dissolved	Water	6020B	490453
410-165398-4	QL-GEI-11-20240326	Dissolved	Water	6020B	490453
MB 410-490453/1-A	Method Blank	Total Recoverable	Water	6020B	490453
LCS 410-490453/2-A	Lab Control Sample	Total Recoverable	Water	6020B	490453

General Chemistry

Analysis Batch: 489015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	9040C	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	9040C	
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	9040C	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	9040C	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	9040C	

General Chemistry (Continued)

Analysis Batch: 489015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	9040C	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	9040C	
LCS 410-489015/1	Lab Control Sample	Total/NA	Water	9040C	
410-165398-3 DU	QL-GEI-07-20240326	Total/NA	Water	9040C	

Analysis Batch: 489706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-165229-1	QL-DA11-SW-20240325	Total/NA	Water	OIA-1677	
410-165229-2	QL-DA2-SW-20240325	Total/NA	Water	OIA-1677	
410-165398-1	QL-MW-60-GW-032624	Total/NA	Water	OIA-1677	
410-165398-2	QL-MW-52-GW-032624	Total/NA	Water	OIA-1677	
410-165398-3	QL-GEI-07-20240326	Total/NA	Water	OIA-1677	
410-165398-4	QL-GEI-11-20240326	Total/NA	Water	OIA-1677	
410-165398-5	QL-GEI-14-20240326	Total/NA	Water	OIA-1677	
MB 410-489706/37	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-489706/36	Lab Control Sample	Total/NA	Water	OIA-1677	
410-165229-1 MS	QL-DA11-SW-20240325	Total/NA	Water	OIA-1677	
410-165229-1 MSD	QL-DA11-SW-20240325	Total/NA	Water	OIA-1677	

Lab Chronicle

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-DA11-SW-20240325
Lab Sample ID: 410-165229-1
Date Collected: 03/25/24 10:10
Matrix: Water
Date Received: 03/25/24 18:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487516	TQ4J	ELLE	03/27/24 18:33
Total/NA	Prep	3510C			488689	T9CY	ELLE	03/29/24 15:22
Total/NA	Analysis	8270E		1	488980	SJ89	ELLE	04/01/24 11:07
Total/NA	Analysis	8015D		1	488535	WJ7F	ELLE	03/29/24 16:28
Total/NA	Prep	3510C			487560	QKX3	ELLE	03/27/24 08:27
Total/NA	Analysis	8015D		1	488071	IUSB	ELLE	03/28/24 18:40
Total/NA	Prep	3510C			487565	QKX3	ELLE	03/27/24 08:32
Total/NA	Analysis	8081B		1	487562	UAMZ	ELLE	03/27/24 15:57
Total/NA	Prep	3510C			487566	QKX3	ELLE	03/27/24 08:36
Total/NA	Analysis	8082A		1	487898	M6UH	ELLE	03/27/24 22:20
Total/NA	Prep	8151A			487814	QJZ6	ELLE	03/27/24 16:15
Total/NA	Analysis	8151A		1	487928	UAMZ	ELLE	03/28/24 11:01
Dissolved	Analysis	218.6		1	487278	UJE2	ELLE	03/26/24 15:12
Total/NA	Analysis	EPA 300.0 R2.1		5	487343	W7FX	ELLE	03/26/24 19:33
Dissolved	Prep	3005A			487492	NU9R	ELLE	03/27/24 08:19
Dissolved	Analysis	6020B		1	489172	F7JF	ELLE	04/01/24 10:02
Dissolved	Prep	3005A			487492	NU9R	ELLE	03/27/24 08:19
Dissolved	Analysis	6020B		1	488390	UCIG	ELLE	03/28/24 15:53
Total Recoverable	Prep	3005A			487434	UAMX	ELLE	03/26/24 22:35
Total Recoverable	Analysis	6020B		1	488176	F7JF	ELLE	03/28/24 09:39
Total Recoverable	Prep	3005A			487434	UAMX	ELLE	03/26/24 22:35
Total Recoverable	Analysis	6020B		1	489709	F7JF	ELLE	04/02/24 10:15
Total Recoverable	Prep	3005A			490453	UAMX	ELLE	04/03/24 22:10
Total Recoverable	Analysis	6020B		1	490724	F7JF	ELLE	04/04/24 09:07
Dissolved	Prep	7470A			487705	NU9R	ELLE	03/28/24 09:45
Dissolved	Analysis	7470A		1	488609	UEFS	ELLE	03/29/24 10:54
Total/NA	Prep	7470A			487705	NU9R	ELLE	03/28/24 09:45
Total/NA	Analysis	7470A		1	488609	UEFS	ELLE	03/29/24 11:03
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:05

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2
Date Collected: 03/25/24 11:20
Matrix: Water
Date Received: 03/25/24 18:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487516	TQ4J	ELLE	03/27/24 18:56
Total/NA	Prep	3510C			488689	T9CY	ELLE	03/29/24 15:22
Total/NA	Analysis	8270E		1	488980	SJ89	ELLE	04/01/24 11:28
Total/NA	Analysis	8015D		1	488535	WJ7F	ELLE	03/29/24 16:53
Total/NA	Prep	3510C			487560	QKX3	ELLE	03/27/24 08:27
Total/NA	Analysis	8015D		1	488071	IUSB	ELLE	03/28/24 19:03
Total/NA	Prep	3510C			487565	QKX3	ELLE	03/27/24 08:32
Total/NA	Analysis	8081B		1	487562	UAMZ	ELLE	03/27/24 16:11

Client Sample ID: QL-DA2-SW-20240325
Lab Sample ID: 410-165229-2

Date Collected: 03/25/24 11:20
Matrix: Water
Date Received: 03/25/24 18:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			487566	QKX3	ELLE	03/27/24 08:36
Total/NA	Analysis	8082A		1	487898	M6UH	ELLE	03/27/24 22:31
Total/NA	Prep	8151A			487814	QJZ6	ELLE	03/27/24 16:15
Total/NA	Analysis	8151A		1	487928	UAMZ	ELLE	03/28/24 11:30
Dissolved	Analysis	218.6		1	487278	UJE2	ELLE	03/26/24 15:31
Total/NA	Analysis	EPA 300.0 R2.1		5	487343	W7FX	ELLE	03/26/24 20:33
Dissolved	Prep	3005A			487492	NU9R	ELLE	03/27/24 08:19
Dissolved	Analysis	6020B		1	489172	F7JF	ELLE	04/01/24 10:04
Dissolved	Prep	3005A			487492	NU9R	ELLE	03/27/24 08:19
Dissolved	Analysis	6020B		1	488390	UCIG	ELLE	03/28/24 15:55
Total Recoverable	Prep	3005A			487434	UAMX	ELLE	03/26/24 22:35
Total Recoverable	Analysis	6020B		1	488176	F7JF	ELLE	03/28/24 09:41
Total Recoverable	Prep	3005A			487434	UAMX	ELLE	03/26/24 22:35
Total Recoverable	Analysis	6020B		1	489709	F7JF	ELLE	04/02/24 10:17
Total Recoverable	Prep	3005A			490453	UAMX	ELLE	04/03/24 22:10
Total Recoverable	Analysis	6020B		1	490724	F7JF	ELLE	04/04/24 09:09
Dissolved	Prep	7470A			487705	NU9R	ELLE	03/28/24 09:45
Dissolved	Analysis	7470A		1	488609	UEFS	ELLE	03/29/24 10:45
Total/NA	Prep	7470A			487705	NU9R	ELLE	03/28/24 09:45
Total/NA	Analysis	7470A		1	488609	UEFS	ELLE	03/29/24 11:10
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:12

Client Sample ID: TB-032524
Lab Sample ID: 410-165229-3

Date Collected: 03/25/24 00:00
Matrix: Water
Date Received: 03/25/24 18:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487516	TQ4J	ELLE	03/27/24 19:18

Client Sample ID: QL-MW-60-GW-032624
Lab Sample ID: 410-165398-1

Date Collected: 03/26/24 12:20
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 15:35
Total/NA	Prep	3510C			488267	L2FU	ELLE	03/28/24 15:37
Total/NA	Analysis	8270E		1	488438	W6ZA	ELLE	03/29/24 12:35
Total/NA	Analysis	8015D		1	488538	WJ7F	ELLE	03/29/24 16:31
Total/NA	Prep	3510C			488692	T9CY	ELLE	03/29/24 15:32
Total/NA	Analysis	8015D		1	488809	KP5X	ELLE	03/30/24 02:27
Total/NA	Prep	3510C			488503	QKX3	ELLE	03/29/24 08:27
Total/NA	Analysis	8081B		1	488942	UAMZ	ELLE	04/01/24 03:13

Client Sample ID: QL-MW-60-GW-032624
Lab Sample ID: 410-165398-1

Date Collected: 03/26/24 12:20
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			488502	QKX3	ELLE	03/29/24 08:23
Total/NA	Analysis	8082A		1	488804	M6UH	ELLE	03/29/24 22:19
Total/NA	Prep	8151A			488702	QJZ6	ELLE	03/29/24 15:45
Total/NA	Analysis	8151A		1	488953	UAMZ	ELLE	04/01/24 07:45
Dissolved	Analysis	218.6		1	489258	L4QM	ELLE	04/01/24 13:56
Total/NA	Analysis	EPA 300.0 R2.1		1	489357	W3XT	ELLE	04/02/24 00:16
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 17:18
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 18:21
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489709	F7JF	ELLE	04/02/24 08:02
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		1	488393	UCIG	ELLE	03/28/24 17:22
Dissolved	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Dissolved	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:30
Total/NA	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Total/NA	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:07
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:15

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2

Date Collected: 03/26/24 13:58
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 15:57
Total/NA	Prep	3510C			488267	L2FU	ELLE	03/28/24 15:37
Total/NA	Analysis	8270E		1	488438	W6ZA	ELLE	03/29/24 12:55
Total/NA	Analysis	8015D		1	488538	WJ7F	ELLE	03/29/24 16:57
Total/NA	Prep	3510C			488692	T9CY	ELLE	03/29/24 15:32
Total/NA	Analysis	8015D		1	488809	KP5X	ELLE	03/30/24 02:50
Total/NA	Prep	3510C			488503	QKX3	ELLE	03/29/24 08:27
Total/NA	Analysis	8081B		1	488942	UAMZ	ELLE	04/01/24 03:28
Total/NA	Prep	3510C			488502	QKX3	ELLE	03/29/24 08:23
Total/NA	Analysis	8082A		1	488804	M6UH	ELLE	03/29/24 22:30
Total/NA	Prep	8151A			488702	QJZ6	ELLE	03/29/24 15:45
Total/NA	Analysis	8151A		1	488953	UAMZ	ELLE	04/01/24 08:19
Dissolved	Analysis	218.6		1	489258	L4QM	ELLE	04/01/24 14:15
Total/NA	Analysis	EPA 300.0 R2.1		5	489357	W3XT	ELLE	04/01/24 23:39
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 17:16
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		5	489390	UCIG	ELLE	04/01/24 17:56

Client Sample ID: QL-MW-52-GW-032624
Lab Sample ID: 410-165398-2

Date Collected: 03/26/24 13:58
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 18:19
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489709	F7JF	ELLE	04/02/24 08:00
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		1	488393	UCIG	ELLE	03/28/24 17:20
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		5	488393	UCIG	ELLE	03/28/24 18:02
Dissolved	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Dissolved	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:11
Total/NA	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Total/NA	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:27
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:17

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3

Date Collected: 03/26/24 10:20
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 16:19
Total/NA	Prep	3510C			488267	L2FU	ELLE	03/28/24 15:37
Total/NA	Analysis	8270E		1	488438	W6ZA	ELLE	03/29/24 13:16
Total/NA	Analysis	8015D		1	488538	WJ7F	ELLE	03/29/24 17:22
Total/NA	Prep	3510C			488692	T9CY	ELLE	03/29/24 15:32
Total/NA	Analysis	8015D		1	488809	KP5X	ELLE	03/30/24 03:12
Total/NA	Prep	3510C			488503	QKX3	ELLE	03/29/24 08:27
Total/NA	Analysis	8081B		1	488942	UAMZ	ELLE	04/01/24 03:42
Total/NA	Prep	3510C			488502	QKX3	ELLE	03/29/24 08:23
Total/NA	Analysis	8082A		1	488804	M6UH	ELLE	03/29/24 22:40
Total/NA	Prep	8151A			488702	QJZ6	ELLE	03/29/24 15:45
Total/NA	Analysis	8151A		1	488953	UAMZ	ELLE	04/01/24 08:53
Dissolved	Analysis	218.6		1	489258	L4QM	ELLE	04/01/24 14:22
Total/NA	Analysis	EPA 300.0 R2.1		1	489357	W3XT	ELLE	04/02/24 00:29
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 17:20
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 18:23
Dissolved	Prep	3005A			490453	UAMX	ELLE	04/03/24 22:10
Dissolved	Analysis	6020B		1	490724	F7JF	ELLE	04/04/24 09:11
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		1	489923	UCIG	ELLE	04/02/24 16:38
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		1	488393	UCIG	ELLE	03/28/24 17:46

Lab Chronicle

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-GEI-07-20240326
Lab Sample ID: 410-165398-3
Date Collected: 03/26/24 10:20
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Dissolved	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:04
Total/NA	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Total/NA	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:23
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:20

Client Sample ID: QL-GEI-11-20240326
Lab Sample ID: 410-165398-4
Date Collected: 03/26/24 12:16
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 16:42
Total/NA	Prep	3510C			488267	L2FU	ELLE	03/28/24 15:37
Total/NA	Analysis	8270E		1	488438	W6ZA	ELLE	03/29/24 13:36
Total/NA	Analysis	8015D		1	488538	WJ7F	ELLE	03/29/24 17:47
Total/NA	Prep	3510C			488692	T9CY	ELLE	03/29/24 15:32
Total/NA	Analysis	8015D		1	488809	KP5X	ELLE	03/30/24 03:35
Total/NA	Prep	3510C			488503	QKX3	ELLE	03/29/24 08:27
Total/NA	Analysis	8081B		1	488942	UAMZ	ELLE	04/01/24 03:57
Total/NA	Prep	3510C			488502	QKX3	ELLE	03/29/24 08:23
Total/NA	Analysis	8082A		1	488804	M6UH	ELLE	03/29/24 22:51
Total/NA	Prep	8151A			488702	QJZ6	ELLE	03/29/24 15:45
Total/NA	Analysis	8151A		1	488953	UAMZ	ELLE	04/01/24 09:27
Dissolved	Analysis	218.6		1	489258	L4QM	ELLE	04/01/24 14:28
Total/NA	Analysis	EPA 300.0 R2.1		1	489357	W3XT	ELLE	04/02/24 00:41
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 17:14
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		5	489390	UCIG	ELLE	04/01/24 17:54
Dissolved	Prep	3005A			488128	NU9R	ELLE	03/29/24 08:05
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 18:17
Dissolved	Prep	3005A			490453	UAMX	ELLE	04/03/24 22:10
Dissolved	Analysis	6020B		1	490724	F7JF	ELLE	04/04/24 09:13
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		1	489923	UCIG	ELLE	04/02/24 16:32
Total Recoverable	Prep	3005A			487881	UAMX	ELLE	03/27/24 21:30
Total Recoverable	Analysis	6020B		1	488393	UCIG	ELLE	03/28/24 17:28
Dissolved	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Dissolved	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:16
Total/NA	Prep	7470A			489619	NU9R	ELLE	04/02/24 10:55
Total/NA	Analysis	7470A		1	490232	UEFS	ELLE	04/03/24 10:09
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:25

Lab Chronicle

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Client Sample ID: QL-GEI-14-20240326
Lab Sample ID: 410-165398-5
Date Collected: 03/26/24 15:35
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 17:04
Total/NA	Prep	3510C			488267	L2FU	ELLE	03/28/24 15:37
Total/NA	Analysis	8270E		1	488438	W6ZA	ELLE	03/29/24 13:56
Total/NA	Analysis	8015D		1	488538	WJ7F	ELLE	03/29/24 18:13
Total/NA	Prep	3510C			488692	T9CY	ELLE	03/29/24 15:32
Total/NA	Analysis	8015D		1	488809	KP5X	ELLE	03/30/24 03:58
Total/NA	Prep	3510C			488503	QKX3	ELLE	03/29/24 08:27
Total/NA	Analysis	8081B		1	488942	UAMZ	ELLE	04/01/24 04:11
Total/NA	Prep	3510C			488502	QKX3	ELLE	03/29/24 08:23
Total/NA	Analysis	8082A		1	488804	M6UH	ELLE	03/29/24 23:01
Total/NA	Prep	8151A			488702	QJZ6	ELLE	03/29/24 15:45
Total/NA	Analysis	8151A		1	488953	UAMZ	ELLE	04/01/24 10:01
Dissolved	Analysis	218.6		1	489258	L4QM	ELLE	04/01/24 14:35
Total/NA	Analysis	EPA 300.0 R2.1		1	489357	W3XT	ELLE	04/02/24 00:54
Dissolved	Prep	3005A			488805	UAMX	ELLE	03/29/24 21:00
Dissolved	Analysis	6020B		1	489389	UCIG	ELLE	04/01/24 20:37
Dissolved	Prep	3005A			488805	UAMX	ELLE	03/29/24 21:00
Dissolved	Analysis	6020B		1	489390	UCIG	ELLE	04/01/24 21:04
Total Recoverable	Prep	3005A			488805	UAMX	ELLE	03/29/24 21:00
Total Recoverable	Analysis	6020B		1	489389	UCIG	ELLE	04/01/24 20:39
Total Recoverable	Prep	3005A			488805	UAMX	ELLE	03/29/24 21:00
Total Recoverable	Analysis	6020B		5	489389	UCIG	ELLE	04/01/24 21:07
Dissolved	Prep	7470A			488862	NU9R	ELLE	04/01/24 09:30
Dissolved	Analysis	7470A		1	489558	UEFS	ELLE	04/02/24 08:37
Total/NA	Prep	7470A			488862	NU9R	ELLE	04/01/24 09:30
Total/NA	Analysis	7470A		1	489558	UEFS	ELLE	04/02/24 08:39
Total/NA	Analysis	9040C		1	489015	AVC3	ELLE	04/01/24 07:46
Total/NA	Analysis	OIA-1677		1	489706	UJE2	ELLE	04/01/24 17:22

Client Sample ID: TB-032624
Lab Sample ID: 410-165398-6
Date Collected: 03/26/24 00:00
Matrix: Water
Date Received: 03/26/24 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 17:26

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-24
A2LA	ISO/IEC 17025	0001.01	11-30-24
Alabama	State	43200	01-31-25
Alaska	State	PA00009	06-30-24
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-24
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-24
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-24 *
Kansas	NELAP	E-10151	10-31-24
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-24
Kentucky (WW)	State	KY90088	12-31-23 *
Louisiana (All)	NELAP	02055	06-30-24
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-24
Massachusetts	State	M-PA009	06-30-24
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-24
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-24
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-24
North Carolina (WW/SW)	State	521	12-31-24
Oklahoma	NELAP	9804	08-31-24
Oregon	NELAP	PA200001	09-11-24
Pennsylvania	NELAP	36-00037	01-28-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-24
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-24 *
Tennessee	State	02838	01-31-25
Texas	NELAP	T104704194-23-46	08-31-24
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-24
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-24
West Virginia (DW)	State	9906 C	01-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
West Virginia DEP	State	055	07-31-24
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-24

Method Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ELLE
8151A	Herbicides (GC)	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
9040C	pH	SW846	ELLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
8151A	Extraction (Herbicides)	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Tetra Tech, Inc.
Job ID: 410-165229-1
Project/Site: GW-SW Sampling To Support EMPS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-165229-1	QL-DA11-SW-20240325	Water	03/25/24 10:10	03/25/24 18:09
410-165229-2	QL-DA2-SW-20240325	Water	03/25/24 11:20	03/25/24 18:09
410-165229-3	TB-032524	Water	03/25/24 00:00	03/25/24 18:09
410-165398-1	QL-MW-60-GW-032624	Water	03/26/24 12:20	03/26/24 18:50
410-165398-2	QL-MW-52-GW-032624	Water	03/26/24 13:58	03/26/24 18:50
410-165398-3	QL-GEI-07-20240326	Water	03/26/24 10:20	03/26/24 18:50
410-165398-4	QL-GEI-11-20240326	Water	03/26/24 12:16	03/26/24 18:50
410-165398-5	QL-GEI-14-20240326	Water	03/26/24 15:35	03/26/24 18:50
410-165398-6	TB-032624	Water	03/26/24 00:00	03/26/24 18:50

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-165229 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler: Walt Pryor	Lab PM: Gordon, Stephen J		COC No: 410-117457-31937.1
Client Contact: Will Deibert	Phone: 301 991-3914	E-Mail: Stephen.Gordon@et.eurofinsus.com	State of Origin: MD	Page: Page 1 of 1
Company: Tetra Tech, Inc.	PWSID:			Job #:
Address: 20251 Century Blvd Suite 200	Due Date Requested:			
City: Germantown	TAT Requested (days):			
State, Zip: MD, 20874	Compliance Project: Δ Yes Δ No			
Phone: 443-808-7913(Tel)	PO #: 1206196			
Email: will.deibert@tetratech.com	WO #:			
Project Name: QL Frederick Pump Station	Project #: 41018786			
Site: QL	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, Y - Trizma, Z - other (specify), Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E - 16 PAHs	8081B, 8082A	300_ORGFM_28D - (MOD) Custom Analyte List	9040C - pH, Temperature, Corrosivity	218.6_Pres_ORGF - Local Method	6020B, 7470A	8015D_DRO - Diesel Range Organics (C10-C28)	8260D - TCL VOCs 4.3	8015D_GRO - Gasoline Range Organics	8151A - Standard Herbicides	1677_Free - Free Cyanide			Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	D	A	A	A	N	B				
QL-DA11-SW-20240325	3/25/24	1010	G	Water			X	X	X	X	X	X	X	X	X	X	X				
QL-DA2-SW-20240325	"	1120	"	Water			X	X	X	X	X	X	X	X	X	X	X				
TB-032524	"	—	"	Water			—	—	—	—	—	—	—	X	—	—	—				
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Hex Chrome

24 TAT

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: 3/25/24 1550	Company: T	Received by:	Date/Time: 3/25/24 15:50	Company: ELLE		
Relinquished by:	Date/Time: 3/25/24 18:09	Company: ELLE	Received by:	Date/Time:	Company:		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 3/25/24 1807	Company: ELLE		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.0/4.1				

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-165229 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler: Walt Pryor	Lab PM: Gordon, Stephen J		COC No: 410-117457-31937.1
Client Contact: Will Deibert	Phone: 301 991-3914	E-Mail: Stephen.Gordon@et.eurofinsus.com	State of Origin: MD	Page: Page 1 of 1
Company: Tetra Tech, Inc.	PWSID:			Job #:
Address: 20251 Century Blvd Suite 200	Due Date Requested:			
City: Germantown	TAT Requested (days):			
State, Zip: MD, 20874	Compliance Project: Δ Yes Δ No			
Phone: 443-808-7913(Tel)	PO #: 1206196			
Email: will.deibert@tetratech.com	WO #:			
Project Name: QL Frederick Pump Station	Project #: 41018786			
Site: QL	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, Y - Trizma, Z - other (specify), Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E - 16 PAHs	8081B, 8082A	300_ORGFM_28D - (MOD) Custom Analyte List	9040C - pH, Temperature, Corrosivity	218.6_Pres_ORGF - Local Method	6020B, 7470A	8015D_DRO - Diesel Range Organics (C10-C28)	8260D - TCL VOCs 4.3	8015D_GRO - Gasoline Range Organics	8151A - Standard Herbicides	1677_Free - Free Cyanide			Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	D	A	A	A	N	B				
QL-DA11-SW-20240325	3/25/24	1010	G	Water			X	X	X	X	X	X	X	X	X	X	X				
QL-DA2-SW-20240325	"	1120	"	Water			X	X	X	X	X	X	X	X	X	X	X				
TB-032524	"	—	"	Water			—	—	—	—	—	—	—	X	—	—	—				
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Hex Chrome

24 TAT

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: 3/25/24 1550	Company: T	Received by:	Date/Time: 3/25/24 15:50	Company: ELLE
Relinquished by:	Date/Time: 3/25/24 18:09	Company: ELLE	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 3/25/24 1807	Company: ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.0/4.1

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-165398 Login
PM Gordon Stephen J
Company Tetra Tech Inc

eurofins

Client Information	Sampler: 3/26/24 Will D. / Walt, P.	Lab PM: Gordon Stephen J	COC No: 410-117415-31918.3
Client Contact: Alexander Behzadi	Phone: 443-808-7414	E-Mail: Stephen.Gordon@et.eurofinsus.com MD	Page: 1 of 1 ~~Page 3 of 4~~
Company: Tetra Tech, Inc.	PWSID:		Job #:
Address: 20251 Century Blvd Suite 200	Due Date Requested:		
City: Germantown	TAT Requested (days):		
State, Zip: MD, 20874	Compliance Project: Δ Yes Δ No		
Phone: 412-921-8277(Tel)	PO #: 1206196		
Email: alex.behzadi@tetratech.com	WO #: 112C10300		
Project Name: ~~EastAlco WW~~ QL Pump Station	Project #: 41001054		
Site: QL	SSOW#:		

Analysis Requested

Analysis columns:
1. Field Filtered Sample (Yes or No)
2. Perform MS/MSD (Yes or No)
3. ~~300_ORGFM_28D - Fluoride Only~~ 8270E-LL PAHs (WD 3/26/24)
4. 300_ORGFM_28D, ~~300_ORGFMS~~ (MOD Custom Analytes)
5. ~~2320B_25100, 2540C_Single Dry, 2540D~~ 8081B, 8082A (WD 3/26/24)
6. ~~SM2130B - Turbidity~~ 9040C - pH, Temp, Cond. (WD 3/26/24)
7. 6020B, 7470A 1 var FF
8. 1677_Free Free Cyanide
9. 218.6_Pres_ORGF - Local Method + FF
10. 8015D_GRO
11. 8260D_TCL VOCs 4.3
12. 8151A Std Herbs
13. 8015D_DRO
14. (blank)
15. (blank)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total Number of containers	Special Instructions/Note
				Preservation Code:	X	X	N	N	N	N	D	B	Z	A	A	N	A			X	
~~MW-75~~ QL-MW-60-GW-032624	3/26/24	1220	G	Water			X	X	X	X	X	X	X	X	X	X	X			21	
~~MW-75DUP~~ QL-MW-52-GW-032624	↓	1358	G	Water			X	X	X	X	X	X	X	X	X	X	X			21	
~~MW-76~~ QL-GEI-07-20240326	↓	1020	G	Water			X	X	X	X	X	X	X	X	X	X	X			21	
~~MW-77~~ QL-GEI-11-20240326	↓	1216	G	Water			X	X	X	X	X	X	X	X	X	X	X			21	
~~EQR-SA11~~ QL-GEI-14-20240326	↓	1535	G	Water			X	X	X	X	X	X	X	X	X	X	X			21	
TB-032624	↓	—	G	Water			-	-	-	-	-	-	-	-	X	-	-			2	
				Water																	
~~D~~				Water																	
~~E~~	WD 3/26/24			Water																	
~~F~~				Water																	
~~TUSCARORA CREEK DUP~~				Water																	

WD 3/26/24

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, Y Trizma, Z other (specify)
Other:

Z = Ammonium Sulfate / Ammonium Hydroxide

Special Instructions/Note:

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: Hex Chrome + Diss Metals Feild Filtered

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Will D. [signature]	3/26/24 1635	TT	[signature]	3/26/24 16:35	ELLE
[signature]	3/26/24 18:50	ELLE			
			[signature]	3/26/24 18:50	ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.5-5.8 / 2.6-5.9 Raw / Corr

4/4/2024

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme

2425 New Holland Pike
Lancaster PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-165398 Login

PM Gordon Stephen J
Company Tetra Tech Inc

eurofins

COC No: 410-117415-31918.3
Page: 1 of 1
Page 3 of 4

Job #:

Client Information

Client Contact: Alexander Behzadi
Company: Tetra Tech, Inc.
Address: 20251 Century Blvd Suite 200
City: Germantown
State, Zip: MD, 20874
Phone: 412-921-8277(Tel)
Email: alex.behzadi@tetratech.com
Project Name: ~~EastAlco WW~~ QL Pump Station
Site: QL

Sampler: 3/26/24 Will D. Walt P.
Phone: 443-808-7914
PWSID:

Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 1206196
WO #: 112C10300
Project #: 41001054
SSOW#:

Lab PM: Gordon Stephen J
E-Mail: Stephen.Gordon@et.eurofinsus.com

MD

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
Y Trizma
Z other (specify)
Other:

Z = Ammonium Sulfate/ Ammonium Hydroxide

Special Instructions/Note:

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)	300_ORGFM_28D, ~~300_ORGFM_28D~~ Flouride Only	537DE-6 PFAS	300_ORGFM_28D (MOD Custom Analysis)	~~300_ORGFM_28D~~	80818, 80824	9040C - pH, Temp, Cond	6020B, 7470A 1 vial FF	1677_Free Free Cyanide VFF	218.6_Pres_ORGF-Low Level Methods	8015D_GRO	8260D_TCL VOCs 4.3	8151A Std Herbs	8015D_DRO	Total Number of containers
Preservation Code:							N	N	N	N	D	B	Z	A	A	W	A			
~~MW-76~~ QL-MW-60-GW-032624	3/26/24	1220	G	Water			X	X	X	X	X	X	X	X	X	X	X			21
~~MW-76DUP~~ QL-MW-52-GW-032624		1358	G	Water			X	X	X	X	X	X	X	X	X	X	X			21
~~MW-76~~ QL-GEI-07-20240326		1020	G	Water			X	X	X	X	X	X	X	X	X	X	X			21
~~MW-77~~ QL-GEI-11-20240326		1216	G	Water			X	X	X	X	X	X	X	X	X	X	X			21
~~EQB-SA11~~ QL-GEI-14-20240326		1535	G	Water			X	X	X	X	X	X	X	X	X	X	X			21
TB-032624		—	G	Water			-	-	-	-	-	-	-	-	X	-	-			2
				Water																
~~D~~				Water																
~~E~~				Water																
~~F~~				Water																
~~TUSCARORA~~ CREEK DUP				Water																

WD 3/26/24

WD 3/26/24

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: Hex Chrome + Diss Metals Field Filtered

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Will D	3/26/24 1635	TT		3/26/24 16:35	ELE
	3/26/24 18:50	ELE			
				3/26/24 18:50	ELE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.5-5.8 / 2.6-5.0

4/4/2024

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 410-165229-1

Login Number: 165229
List Number: 1
Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 410-165229-1

Login Number: 165398
List Number: 1
Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.