eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Rick Allison
Colorado Oil&Gas Conservation Commision
1120 Lincoln St.
Suite 801
Denver, Colorado 80203

Generated 11/15/2024 1:47:10 PM

JOB DESCRIPTION

SB23-186 Lab Services 2024-2025

JOB NUMBER

280-198978-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

my EOL

Eurofins Denver

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
11/15/2024 1:47:10 PM

Authorized for release by
Olivia Braganza, Project Manager
Olivia.Braganza@et.eurofinsus.com
(303)736-0100

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Definitions 7
Detection Summary 9
Method Summary 15
Sample Summary 16
Client Sample Results 17
Surrogate Summary 53
QC Association 55
QC Sample Results 62
Chronicle 100
Receipt Checklists 104
Chain of Custody 105

Job Narrative
280-198978-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 11/1/2024 1:19 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 2.0°C, 2.9°C, 4.5°C and 5.4°C.

Receipt Exceptions
The reference method requires samples to have a pH of less than 2. 071-07213 Hill Ranch 22-01V (280-198978-1) and 071-09629 Apache Canyon 03-11 (280-198978-4). The samples were adjusted to the appropriate pH in the laboratory.

GC/MS VOA
Method 8260D: The method requirement for no headspace was not met. The following volatile samples in batch 280-674401 were analyzed with significant headspace in the sample container(s): 071-09185 Golden Eagle 20-13 (280-198978-2), 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4). Significant headspace is defined as a bubble greater than 6 mm in diameter. 071-09185 Golden Eagle 20-13 (280-198978-2), 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4)

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-674401 recovered outside the control limits for Bromomethane and Naphthalene. These are considered poor performers and are within control limits in the LCS and LCSD. The associated samples are impacted: 071-09185 Golden Eagle 20-13 (280-198978-2), 071-09212 Apache Canyon 35-10 (280-198978-3), 071-09629 Apache Canyon 03-11 (280-198978-4) and (280-198885-F-1).

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-674401 recovered above the upper control limit for Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. (CCV 280-674401/2)

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-674436 recovered above the upper control limit for Vinyl Chloride (24.3%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 071-07213 Hill Ranch 22-01V (280-198978-1) and (CCV 280-674436/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-674436 recovered outside the control limit 20%D for tert-Butyl alcohol (TBA) (-22.5%) and Iodomethane (-26.7%) These analytes are considered poor performing compounds. The LCS/LCSD recovered within control limits therefore the data were qualified and reported.The associated samples are impacted: 071-07213 Hill Ranch 22-01V (280-198978-1) and (CCV 280-674436/2).

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 280-674436.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.071-07213 Hill Ranch 22-01V (280-198978-1)

Method 8260D: The following compounds were outside control limits of 20%D in the continuing calibration verification (CCV) associated with batch 280-674451:Dichlorodifluoromethane (-30.6%D). This compound is considered a poor performer and has recovered within LCS/LCSD limits. The following samples are affected: 071-Trip Blank (280-198978-6) and (CCV 280-674451/2).

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 280-674451 recovered outside control limits for the following analytes: Bromomethane (RPD 43). Laboratory control sample /

laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes. Affected analytes were not detected in samples. The associated samples are: 071-Trip Blank (280-198978-6), (LCSD 280-674451/5) and (280-199140-B-5).

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

GC/MS Semi VOA
Method 8270E: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-673586.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 280-673586 and analytical batch 280-673729 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 280-673586 and analytical batch 280-673729 recovered outside control limits for the following analytes: Pentachlorophenol. These analytes were biased high in the LCSD 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.

Gasoline Range Organics
Method 8015D_GRO: The method requirement for no headspace was not met. The following volatile samples were analyzed with significant headspace in the sample containers: 071-07213 Hill Ranch 22-01V (280-198978-1) and 071-09185 Golden Eagle 20-13 (280-198978-2). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method 8015D_GRO: The method requirement for no headspace was not met. The following volatile samples were analyzed with significant headspace in the sample containers: 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method 8015D_GRO: Insufficient sample volume was available to perform a matrix spike and matrix spike duplicate (MS/MSD) associated with analytical batch analytical batch 280-673948 . A laboratory control sample and laboratory control sample duplicate (LCS/LCSD) was analyzed for batch precision and accuracy. 071-07213 Hill Ranch 22-01V (280-198978-1), 071-09185 Golden Eagle 20-13 (280-198978-2), 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4)

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: QC LCSD~280-673613/5 (RRO) exhibited a brown discoloration that suggests potential contamination. One theory is that the media jars for this LCSD and sample 071-07213 Hill Ranch 22-01V (280-198978-1) in preparation batch 280-673613 were somehow swapped prior to any extraction. Another theory is a turbo-tube or media jar that was not cleaned enough from its use in a prior, separate, extraction.

Method 8015D_DRO: Surrogate recovery for the following samples was outside control limits: 071-09185 Golden Eagle 20-13 (280-198978-2) and 071-09212 Apache Canyon 35-10 (280-198978-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015D_DRO: The peak profile present in this sample 071-09185 Golden Eagle 20-13 (280-198978-2) is atypical of a hydrocarbon pattern and consists one discrete peak.

Method 8015D_DRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 280-673613. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

PFAS
Method 1633_Final: In preparation batch 280-673719, the following samples: 071-07213 Hill Ranch 22-01V (280-198978-1), 071-09185 Golden Eagle 20-13 (280-198978-2), 071-09212 Apache Canyon 35-10 (280-198978-3), 071-09629 Apache Canyon 03-11 (280-198978-4) and 071-09185 Golden Eagle 20-13EB (280-198978-5) were decanted prior to preparation due to insufficient headspace for the addition of spike standards.

Method 1633_Final: Analyte Perfluorooctanoic acid (PFOA) was reported as non-detect for sample 071-09629 Apache Canyon 03-11 (280-198978-4) due to a detection below LOQ and failing ion ratio.

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

Metals
Method 6010D: The following samples were improperly preserved in the field: 071-07213 Hill Ranch 22-01V (280-198978-1), 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4). Nitric acid was added by the laboratory and the desired pH was achieved.

Method 6020B: The following samples were improperly preserved in the field: 071-07213 Hill Ranch 22-01V (280-198978-1), 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4). Nitric acid was added by the laboratory and the desired pH was achieved.

Method 7470A: The following samples were improperly preserved in the field: 071-07213 Hill Ranch 22-01V (280-198978-1), 071-09212 Apache Canyon 35-10 (280-198978-3) and 071-09629 Apache Canyon 03-11 (280-198978-4). Nitric acid was added by the laboratory and the desired pH was achieved.

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

General Chemistry
Method 9056A_28D: The following samples have chromatographic interferences that could adversely impact the identification and quantitation of target analytes: 071-07213 Hill Ranch 22-01V (280-198978-1) and 071-09629 Apache Canyon 03-11 (280-198978-4) These interferences impact bromide and cause the values to have a low bias.

Method SM4500_S2_D: The matrix spike and matrix spike duplicate (MS&MSD) recoveries for analytical batch 280-673672 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.071-07213 Hill Ranch 22-01V (280-198978-1), 071-09212 Apache Canyon 35-10 (280-198978-3), (280-198978-M-1 MS), (280-198978-M-1 MSD), (280-198978-M-3 MS) and (280-198978-M-3 MSD)

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
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.
F2	MS/MSD RPD 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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Detection Summary

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Client Sample ID: 071-07213 Hill Ranch 22-01V — Lab Sample ID: 280-198978-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.61	J	1.0	0.14	ug/L	1		8260D	Total/NA
Total BTEX	0.61	J	1.0	0.14	ug/L	1		8260D	Total/NA
Diesel Range Organics [C10-C28]	0.041	J	0.24	0.031	mg/L	1		8015D	Total/NA
Motor Oil (C20-C38)	0.081	J	0.48	0.054	mg/L	1		8015D	Total/NA
Boron	290		100	1.5	ug/L	1		6010D	Total/NA
Lithium	140		20	9.1	ug/L	1		6010D	Total/NA
Silicon	9300		500	16	ug/L	1		6010D	Total/NA
Silver	0.050	J	1.0	0.045	ug/L	1		6020B	Total/NA
Barium	550		3.0	0.38	ug/L	1		6020B	Total/NA
Calcium	1000		200	32	ug/L	1		6020B	Total/NA
Iron	340		200	8.7	ug/L	1		6020B	Total/NA
Potassium	2900		1000	52	ug/L	1		6020B	Total/NA
Magnesium	1000		200	4.2	ug/L	1		6020B	Total/NA
Manganese	2.8	J	3.0	0.51	ug/L	1		6020B	Total/NA
Sodium	660000		50000	3700	ug/L	50		6020B	Total/NA
Nickel	3.5		3.0	0.83	ug/L	1		6020B	Total/NA
Zinc	3.1	J	10	2.0	ug/L	1		6020B	Total/NA
Molybdenum	0.51	J	2.0	0.37	ug/L	1		6020B	Total/NA
Strontium	470		10	0.69	ug/L	1		6020B	Total/NA
Thorium	0.60	J	5.0	0.38	ug/L	1		6020B	Total/NA
Ammonia as N	0.84		0.10	0.029	mg/L	1		350.1	Total/NA
Nitrogen, Kjeldahl	0.80	J	1.0	0.69	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.060	J	0.10	0.044	mg/L	1		353.2	Total/NA
Bromide	1.3		0.50	0.23	mg/L	1		9056A	Total/NA
Chloride	87		3.0	1.0	mg/L	1		9056A	Total/NA
Fluoride	4.4		0.50	0.17	mg/L	1		9056A	Total/NA
Total Anions	25				meq/L	1		SM 1030E	Total/NA
Total Cations	29				meq/L	1		SM 1030E	Total/NA
Percent Difference	8.1				%	1		SM 1030E	Total/NA
Calcium	1000				ug/L	1		SM 1030E	Total/NA
Magnesium	1000				ug/L	1		SM 1030E	Total/NA
Potassium	2900				ug/L	1		SM 1030E	Total/NA
Sodium	660000				ug/L	1		SM 1030E	Total/NA
Ammonia as N	0.84				mg/L	1		SM 1030E	Total/NA
Aluminum	0.00				mg/L	1		SM 1030E	Total/NA
Chloride	87				mg/L	1		SM 1030E	Total/NA
Sulfate	0.00				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	81				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	1100				mg/L	1		SM 1030E	Total/NA
Alkalinity	1100				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.060				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	8.1				%	1		SM 1030E	Total/NA
Fluoride	4.4				mg/L	1		SM 1030E	Total/NA
Calculated TDS	1400				mg/L	1		SM 1030E	Total/NA
TDS Ratio	0.99				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids (TDS)	1400				mg/L	1		SM 1030E	Total/NA
Iron	340				ug/L	1		SM 1030E	Total/NA
Orthophosphate	0.00				mg/L	1		SM 1030E	Total/NA
Alkalinity	1100		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	1100		10	3.1	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	81		10	3.1	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 071-07213 Hill Ranch 22-01V (Continued) — Lab Sample ID: 280-198978-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	2400		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	2400		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	1400		20	9.4	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	1.6	J	4.0	1.1	mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	8.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.9	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
TOC Result 1	0.89	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 2	0.86	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 3	0.78	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 4	0.83	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
Total Organic Carbon - Quad	0.84	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
Nitrogen, Total	0.86		0.10	0.10	mg/L	1		Total Nitrogen	Total/NA

Client Sample ID: 071-09185 Golden Eagle 20-13 — Lab Sample ID: 280-198978-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Motor Oil (C20-C38)	0.23	J	0.49	0.055	mg/L	1		8015D	Total/NA
Boron	300		100	1.5	ug/L	1		6010D	Total/NA
Lithium	55		20	9.1	ug/L	1		6010D	Total/NA
Silicon	9800		500	16	ug/L	1		6010D	Total/NA
Barium	320		3.0	0.38	ug/L	1		6020B	Total/NA
Calcium	2800		200	32	ug/L	1		6020B	Total/NA
Copper	2.6		2.0	0.71	ug/L	1		6020B	Total/NA
Iron	160	J	200	8.7	ug/L	1		6020B	Total/NA
Potassium	1700		1000	52	ug/L	1		6020B	Total/NA
Magnesium	350		200	4.2	ug/L	1		6020B	Total/NA
Manganese	4.6		3.0	0.51	ug/L	1		6020B	Total/NA
Sodium	530000		50000	3700	ug/L	50		6020B	Total/NA
Lead	1.6		1.0	0.23	ug/L	1		6020B	Total/NA
Zinc	5.4	J	10	2.0	ug/L	1		6020B	Total/NA
Molybdenum	1.9	J	2.0	0.37	ug/L	1		6020B	Total/NA
Strontium	590		10	0.69	ug/L	1		6020B	Total/NA
Ammonia as N	0.80		0.10	0.029	mg/L	1		350.1	Total/NA
Nitrogen, Kjeldahl	0.95	J	1.0	0.69	mg/L	1		351.2	Total/NA
Bromide	0.76		0.50	0.23	mg/L	1		9056A	Total/NA
Chloride	140		3.0	1.0	mg/L	1		9056A	Total/NA
Fluoride	5.6		0.50	0.17	mg/L	1		9056A	Total/NA
Total Anions	21				meq/L	1		SM 1030E	Total/NA
Total Cations	23				meq/L	1		SM 1030E	Total/NA
Percent Difference	6.1				%	1		SM 1030E	Total/NA
Calcium	2800				ug/L	1		SM 1030E	Total/NA
Magnesium	350				ug/L	1		SM 1030E	Total/NA
Potassium	1700				ug/L	1		SM 1030E	Total/NA
Sodium	530000				ug/L	1		SM 1030E	Total/NA
Ammonia as N	0.80				mg/L	1		SM 1030E	Total/NA
Aluminum	0.00				ug/L	1		SM 1030E	Total/NA
Chloride	140				mg/L	1		SM 1030E	Total/NA
Sulfate	0.00				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	37				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	780				mg/L	1		SM 1030E	Total/NA
Alkalinity	820				mg/L	1		SM 1030E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 071-09185 Golden Eagle 20-13 (Continued) — Lab Sample ID: 280-198978-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	0.00				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	6.1				%	1		SM 1030E	Total/NA
Fluoride	5.6				mg/L	1		SM 1030E	Total/NA
Calculated TDS	1200				mg/L	1		SM 1030E	Total/NA
TDS Ratio	1.0				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids (TDS)	1200				mg/L	1		SM 1030E	Total/NA
Iron	160				ug/L	1		SM 1030E	Total/NA
Orthophosphate	0.00				mg/L	1		SM 1030E	Total/NA
Alkalinity	820		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	780		10	3.1	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	37		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	2000		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	2000		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	1200		20	9.4	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	8.4	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.8	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
TOC Result 1	1.5		1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 2	1.4		1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 3	1.3		1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 4	1.3		1.0	0.35	mg/L	1		SM 5310B	Total/NA
Total Organic Carbon - Quad	1.4		1.0	0.35	mg/L	1		SM 5310B	Total/NA
Nitrogen, Total	0.95		0.10	0.10	mg/L	1		Total Nitrogen	Total/NA

Client Sample ID: 071-09212 Apache Canyon 35-10 — Lab Sample ID: 280-198978-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.077	J	0.24	0.031	mg/L	1		8015D	Total/NA
Motor Oil (C20-C38)	0.13	J	0.48	0.054	mg/L	1		8015D	Total/NA
Boron	160		100	1.5	ug/L	1		6010D	Total/NA
Lithium	150		20	9.1	ug/L	1		6010D	Total/NA
Silicon	6700		500	16	ug/L	1		6010D	Total/NA
Aluminum	9.5	J	200	8.3	ug/L	1		6020B	Total/NA
Barium	670		3.0	0.38	ug/L	1		6020B	Total/NA
Calcium	1400		200	32	ug/L	1		6020B	Total/NA
Iron	370		200	8.7	ug/L	1		6020B	Total/NA
Potassium	2200		1000	52	ug/L	1		6020B	Total/NA
Magnesium	460		200	4.2	ug/L	1		6020B	Total/NA
Manganese	3.0		3.0	0.51	ug/L	1		6020B	Total/NA
Sodium	640000		50000	3700	ug/L	50		6020B	Total/NA
Lead	0.31	J	1.0	0.23	ug/L	1		6020B	Total/NA
Molybdenum	1.2	J	2.0	0.37	ug/L	1		6020B	Total/NA
Strontium	470		10	0.69	ug/L	1		6020B	Total/NA
Ammonia as N	0.72		0.50	0.15	mg/L	5		350.1	Total/NA
Nitrogen, Kjeldahl	0.75	J	1.0	0.69	mg/L	1		351.2	Total/NA
Bromide	0.35	J	0.50	0.23	mg/L	1		9056A	Total/NA
Chloride	62		3.0	1.0	mg/L	1		9056A	Total/NA
Fluoride	4.1		0.50	0.17	mg/L	1		9056A	Total/NA
Total Anions	24				meq/L	1		SM 1030E	Total/NA
Total Cations	28				meq/L	1		SM 1030E	Total/NA
Percent Difference	7.9				%	1		SM 1030E	Total/NA
Calcium	1400				ug/L	1		SM 1030E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 071-09212 Apache Canyon 35-10 (Continued)
Lab Sample ID: 280-198978-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	460				ug/L	1		SM 1030E	Total/NA
Potassium	2200				ug/L	1		SM 1030E	Total/NA
Sodium	640000				ug/L	1		SM 1030E	Total/NA
Ammonia as N	0.72				mg/L	1		SM 1030E	Total/NA
Aluminum	9.5				ug/L	1		SM 1030E	Total/NA
Chloride	62				mg/L	1		SM 1030E	Total/NA
Sulfate	0.00				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	140				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	1000				mg/L	1		SM 1030E	Total/NA
Alkalinity	1100				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.00				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	7.9				%	1		SM 1030E	Total/NA
Fluoride	4.1				mg/L	1		SM 1030E	Total/NA
Calculated TDS	1400				mg/L	1		SM 1030E	Total/NA
TDS Ratio	1.0				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids (TDS)	1400				mg/L	1		SM 1030E	Total/NA
Iron	370				ug/L	1		SM 1030E	Total/NA
Orthophosphate	0.00				mg/L	1		SM 1030E	Total/NA
Alkalinity	1100		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	1000		10	3.1	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	140		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	2300		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	2300		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	1400		20	9.4	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	8.8	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.9	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
TOC Result 1	0.78	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 2	0.65	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 3	0.65	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 4	0.67	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
Total Organic Carbon - Quad	0.69	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
Nitrogen, Total	0.75		0.10	0.10	mg/L	1		Total Nitrogen	Total/NA

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.035	J	0.24	0.031	mg/L	1		8015D	Total/NA
Motor Oil (C20-C38)	0.065	J	0.48	0.054	mg/L	1		8015D	Total/NA
Boron	1400		100	1.5	ug/L	1		6010D	Total/NA
Lithium	770		20	9.1	ug/L	1		6010D	Total/NA
Silicon	9700		500	16	ug/L	1		6010D	Total/NA
Barium	1100		3.0	0.38	ug/L	1		6020B	Total/NA
Calcium	6300		200	32	ug/L	1		6020B	Total/NA
Chromium	1.7	J	3.0	0.50	ug/L	1		6020B	Total/NA
Copper	4.5		2.0	0.71	ug/L	1		6020B	Total/NA
Iron	320		200	8.7	ug/L	1		6020B	Total/NA
Potassium	5200		1000	52	ug/L	1		6020B	Total/NA
Magnesium	1600		200	4.2	ug/L	1		6020B	Total/NA
Manganese	7.1		3.0	0.51	ug/L	1		6020B	Total/NA
Sodium	1000000		50000	3700	ug/L	50		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 071-09629 Apache Canyon 03-11 (Continued)

Lab Sample ID: 280-198978-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.4		1.0	0.23	ug/L	1		6020B	Total/NA
Zinc	6.6	J	10	2.0	ug/L	1		6020B	Total/NA
Strontium	1400		10	0.69	ug/L	1		6020B	Total/NA
Ammonia as N	1.1		0.10	0.029	mg/L	1		350.1	Total/NA
Nitrogen, Kjeldahl	1.4		1.0	0.69	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.058	J	0.10	0.044	mg/L	1		353.2	Total/NA
Bromide	5.9		0.50	0.23	mg/L	1		9056A	Total/NA
Chloride	570		30	10	mg/L	10		9056A	Total/NA
Fluoride	2.7		0.50	0.17	mg/L	1		9056A	Total/NA
Total Anions	40				meq/L	1		SM 1030E	Total/NA
Total Cations	44				meq/L	1		SM 1030E	Total/NA
Percent Difference	4.7				%	1		SM 1030E	Total/NA
Calcium	6300				ug/L	1		SM 1030E	Total/NA
Magnesium	1600				ug/L	1		SM 1030E	Total/NA
Potassium	5200				ug/L	1		SM 1030E	Total/NA
Sodium	1000000				ug/L	1		SM 1030E	Total/NA
Ammonia as N	1.1				mg/L	1		SM 1030E	Total/NA
Aluminum	0.00				ug/L	1		SM 1030E	Total/NA
Chloride	570				mg/L	1		SM 1030E	Total/NA
Sulfate	0.00				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	66				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	1100				mg/L	1		SM 1030E	Total/NA
Alkalinity	1200				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.058				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	4.7				%	1		SM 1030E	Total/NA
Fluoride	2.7				mg/L	1		SM 1030E	Total/NA
Calculated TDS	2300				mg/L	1		SM 1030E	Total/NA
TDS Ratio	0.95				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids (TDS)	2200				mg/L	1		SM 1030E	Total/NA
Iron	320				ug/L	1		SM 1030E	Total/NA
Orthophosphate	0.00				mg/L	1		SM 1030E	Total/NA
Alkalinity	1200		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	1100		10	3.1	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	66		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	3900		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	3900		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	2200		40	19	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.0		4.0	1.1	mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	8.4	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.1	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfide	0.036	J	0.050	0.022	mg/L	1		SM 4500 S2 D	Total/NA
TOC Result 1	1.0		1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 2	0.90	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 3	0.88	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
TOC Result 4	0.86	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
Total Organic Carbon - Quad	0.92	J	1.0	0.35	mg/L	1		SM 5310B	Total/NA
Nitrogen, Total	1.5		0.10	0.10	mg/L	1		Total Nitrogen	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Colorado Oil&Gas Conservation Commision
Job ID: 280-198978-1
Project/Site: SB23-186 Lab Services 2024-2025

Client Sample ID: 071-09185 Golden Eagle 20-13EB — Lab Sample ID: 280-198978-5

No Detections.

Client Sample ID: 071-Trip Blank — Lab Sample ID: 280-198978-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.29	J	1.0	0.11	ug/L	1		8260D	Total/NA
Xylenes, Total	0.29	J	1.0	0.11	ug/L	1		8260D	Total/NA
Total BTEX	0.29	J	1.0	0.14	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET DEN
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET DEN
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET DEN
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET DEN
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET DEN
6010D	Metals (ICP)	SW846	EET DEN
6020B	Metals (ICP/MS)	SW846	EET DEN
7470A	Mercury (CVAA)	SW846	EET DEN
350.1	Nitrogen, Ammonia	EPA	EET DEN
351.2	Nitrogen, Total Kjeldahl	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
365.1	Phosphorus, Total	EPA	EET DEN
9056A	Anions, Ion Chromatography	SW846	EET DEN
SM 1030E	Cation Anion Balance	SM	EET DEN
SM 2320B	Alkalinity	SM	EET DEN
SM 2510B	Conductivity, Specific Conductance	SM	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DEN
SM 4500 H+ B	pH	SM	EET DEN
SM 4500 S2 D	Sulfide, Total	SM	EET DEN
SM 5310B	Organic Carbon, Total (TOC)	SM	EET DEN
Total Nitrogen	Nitrogen, Total	EPA	EET DEN
1633	Solid-Phase Extraction (SPE)	EPA	EET DEN
3010A	Preparation, Total Metals	SW846	EET DEN
3020A	Preparation, Total Metals	SW846	EET DEN
351.2	Nitrogen, Total Kjeldahl	EPA	EET DEN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET DEN
365.2/365.3/365	Phosphorus, Total	EPA	EET DEN
5030B	Purge and Trap	SW846	EET DEN
7470A	Preparation, Mercury	SW846	EET DEN

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-198978-1	071-07213 Hill Ranch 22-01V	Water	10/28/24 13:20	11/01/24 13:19
280-198978-2	071-09185 Golden Eagle 20-13	Water	10/29/24 10:00	11/01/24 13:19
280-198978-3	071-09212 Apache Canyon 35-10	Water	10/29/24 11:40	11/01/24 13:19
280-198978-4	071-09629 Apache Canyon 03-11	Water	10/29/24 12:50	11/01/24 13:19
280-198978-5	071-09185 Golden Eagle 20-13EB	Water	10/29/24 10:00	11/01/24 13:19
280-198978-6	071-Trip Blank	Water	10/30/24 10:00	11/01/24 13:19

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

Client Sample ID: 071-07213 Hill Ranch 22-01V
Lab Sample ID: 280-198978-1
Date Collected: 10/28/24 13:20
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/10/24 13:16	1
Styrene	ND		1.0	0.13	ug/L			11/10/24 13:16	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/10/24 13:16	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/10/24 13:16	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/10/24 13:16	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/10/24 13:16	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/10/24 13:16	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/10/24 13:16	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/10/24 13:16	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/10/24 13:16	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/10/24 13:16	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/10/24 13:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/10/24 13:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/10/24 13:16	1
Bromobenzene	ND		1.0	0.19	ug/L			11/10/24 13:16	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/10/24 13:16	1
Toluene	ND		1.0	0.32	ug/L			11/10/24 13:16	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/10/24 13:16	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/10/24 13:16	1
n-Hexane	ND		2.0	0.16	ug/L			11/10/24 13:16	1
Cyclohexane	ND		1.0	0.44	ug/L			11/10/24 13:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/10/24 13:16	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/10/24 13:16	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/10/24 13:16	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/10/24 13:16	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/10/24 13:16	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/10/24 13:16	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/10/24 13:16	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/10/24 13:16	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/10/24 13:16	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/10/24 13:16	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/10/24 13:16	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/10/24 13:16	1
2-Hexanone	ND		5.0	0.81	ug/L			11/10/24 13:16	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/10/24 13:16	1
Ethyl ether	ND		2.0	0.35	ug/L			11/10/24 13:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/10/24 13:16	1
Acetone	ND		15	6.6	ug/L			11/10/24 13:16	1
Chloroform	ND		1.0	0.36	ug/L			11/10/24 13:16	1
Benzene	**0.61**	**J**	1.0	0.14	ug/L			11/10/24 13:16	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/10/24 13:16	1
Bromomethane	ND		5.0	2.4	ug/L			11/10/24 13:16	1
Chloromethane	ND		2.0	0.23	ug/L			11/10/24 13:16	1
Iodomethane	ND		5.0	2.6	ug/L			11/10/24 13:16	1
Dibromomethane	ND		1.0	0.34	ug/L			11/10/24 13:16	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/10/24 13:16	1
Chloroethane	ND		2.0	0.64	ug/L			11/10/24 13:16	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/10/24 13:16	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/10/24 13:16	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.0	0.26	ug/L			11/10/24 13:16	1
Bromoform	ND		2.0	0.25	ug/L			11/10/24 13:16	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/10/24 13:16	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/10/24 13:16	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/10/24 13:16	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/10/24 13:16	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/10/24 13:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/10/24 13:16	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/10/24 13:16	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/10/24 13:16	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/10/24 13:16	1
Trichloroethene	ND		1.0	0.30	ug/L			11/10/24 13:16	1
Methyl acetate	ND		5.0	1.6	ug/L			11/10/24 13:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/10/24 13:16	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/10/24 13:16	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/10/24 13:16	1
Naphthalene	ND		3.0	0.99	ug/L			11/10/24 13:16	1
o-Xylene	ND		1.0	0.11	ug/L			11/10/24 13:16	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/10/24 13:16	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/10/24 13:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/10/24 13:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/10/24 13:16	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/10/24 13:16	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/10/24 13:16	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/10/24 13:16	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/10/24 13:16	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/10/24 13:16	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/10/24 13:16	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/10/24 13:16	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/10/24 13:16	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/10/24 13:16	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/10/24 13:16	1
Total BTEX	**0.61**	**J**	1.0	0.14	ug/L			11/10/24 13:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/10/24 13:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 127*		*11/10/24 13:16*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 120*		*11/10/24 13:16*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*11/10/24 13:16*	*1*
4-Bromofluorobenzene (Surr)	*91*		*78 - 120*		*11/10/24 13:16*	*1*

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/09/24 01:46	1
Styrene	ND		1.0	0.13	ug/L			11/09/24 01:46	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/09/24 01:46	1

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

Client Sample ID: 071-09185 Golden Eagle 20-13
Lab Sample ID: 280-198978-2
Date Collected: 10/29/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/09/24 01:46	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/09/24 01:46	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/09/24 01:46	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/09/24 01:46	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/09/24 01:46	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/09/24 01:46	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/09/24 01:46	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/09/24 01:46	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/09/24 01:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/09/24 01:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/09/24 01:46	1
Bromobenzene	ND		1.0	0.19	ug/L			11/09/24 01:46	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/09/24 01:46	1
Toluene	ND		1.0	0.32	ug/L			11/09/24 01:46	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/09/24 01:46	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/09/24 01:46	1
n-Hexane	ND		2.0	0.16	ug/L			11/09/24 01:46	1
Cyclohexane	ND		1.0	0.44	ug/L			11/09/24 01:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/09/24 01:46	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/09/24 01:46	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/09/24 01:46	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/09/24 01:46	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/09/24 01:46	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/09/24 01:46	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/09/24 01:46	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/09/24 01:46	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/09/24 01:46	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/09/24 01:46	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/09/24 01:46	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/09/24 01:46	1
2-Hexanone	ND		5.0	0.81	ug/L			11/09/24 01:46	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/09/24 01:46	1
Ethyl ether	ND		2.0	0.35	ug/L			11/09/24 01:46	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/09/24 01:46	1
Acetone	ND		15	6.6	ug/L			11/09/24 01:46	1
Chloroform	ND		1.0	0.36	ug/L			11/09/24 01:46	1
Benzene	ND		1.0	0.14	ug/L			11/09/24 01:46	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/09/24 01:46	1
Bromomethane	ND		5.0	2.4	ug/L			11/09/24 01:46	1
Chloromethane	ND		2.0	0.23	ug/L			11/09/24 01:46	1
Iodomethane	ND		5.0	2.6	ug/L			11/09/24 01:46	1
Dibromomethane	ND		1.0	0.34	ug/L			11/09/24 01:46	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/09/24 01:46	1
Chloroethane	ND		2.0	0.64	ug/L			11/09/24 01:46	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/09/24 01:46	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/09/24 01:46	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/09/24 01:46	1
Bromoform	ND		2.0	0.25	ug/L			11/09/24 01:46	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/09/24 01:46	1

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

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/09/24 01:46	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/09/24 01:46	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/09/24 01:46	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/09/24 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/09/24 01:46	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/09/24 01:46	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/09/24 01:46	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/09/24 01:46	1
Trichloroethene	ND		1.0	0.30	ug/L			11/09/24 01:46	1
Methyl acetate	ND		5.0	1.6	ug/L			11/09/24 01:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/24 01:46	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/09/24 01:46	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/09/24 01:46	1
Naphthalene	ND		3.0	0.99	ug/L			11/09/24 01:46	1
o-Xylene	ND		1.0	0.11	ug/L			11/09/24 01:46	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/09/24 01:46	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/09/24 01:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/09/24 01:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/09/24 01:46	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/09/24 01:46	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/09/24 01:46	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/09/24 01:46	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/09/24 01:46	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/09/24 01:46	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/09/24 01:46	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/09/24 01:46	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/09/24 01:46	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/09/24 01:46	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/09/24 01:46	1
Total BTEX	ND		1.0	0.14	ug/L			11/09/24 01:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/09/24 01:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 127*		*11/09/24 01:46*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 120*		*11/09/24 01:46*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*11/09/24 01:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*		*11/09/24 01:46*	*1*

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/09/24 02:07	1
Styrene	ND		1.0	0.13	ug/L			11/09/24 02:07	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/09/24 02:07	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/09/24 02:07	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/09/24 02:07	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/09/24 02:07	1

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

Client Sample ID: 071-09212 Apache Canyon 35-10
Lab Sample ID: 280-198978-3
Date Collected: 10/29/24 11:40
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/09/24 02:07	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/09/24 02:07	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/09/24 02:07	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/09/24 02:07	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/09/24 02:07	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/09/24 02:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/09/24 02:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/09/24 02:07	1
Bromobenzene	ND		1.0	0.19	ug/L			11/09/24 02:07	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/09/24 02:07	1
Toluene	ND		1.0	0.32	ug/L			11/09/24 02:07	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/09/24 02:07	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/09/24 02:07	1
n-Hexane	ND		2.0	0.16	ug/L			11/09/24 02:07	1
Cyclohexane	ND		1.0	0.44	ug/L			11/09/24 02:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/09/24 02:07	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/09/24 02:07	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/09/24 02:07	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/09/24 02:07	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/09/24 02:07	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/09/24 02:07	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/09/24 02:07	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/09/24 02:07	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/09/24 02:07	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/09/24 02:07	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/09/24 02:07	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/09/24 02:07	1
2-Hexanone	ND		5.0	0.81	ug/L			11/09/24 02:07	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/09/24 02:07	1
Ethyl ether	ND		2.0	0.35	ug/L			11/09/24 02:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/09/24 02:07	1
Acetone	ND		15	6.6	ug/L			11/09/24 02:07	1
Chloroform	ND		1.0	0.36	ug/L			11/09/24 02:07	1
Benzene	ND		1.0	0.14	ug/L			11/09/24 02:07	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/09/24 02:07	1
Bromomethane	ND		5.0	2.4	ug/L			11/09/24 02:07	1
Chloromethane	ND		2.0	0.23	ug/L			11/09/24 02:07	1
Iodomethane	ND		5.0	2.6	ug/L			11/09/24 02:07	1
Dibromomethane	ND		1.0	0.34	ug/L			11/09/24 02:07	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/09/24 02:07	1
Chloroethane	ND		2.0	0.64	ug/L			11/09/24 02:07	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/09/24 02:07	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/09/24 02:07	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/09/24 02:07	1
Bromoform	ND		2.0	0.25	ug/L			11/09/24 02:07	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/09/24 02:07	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/09/24 02:07	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/09/24 02:07	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/09/24 02:07	1

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

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/09/24 02:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/09/24 02:07	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/09/24 02:07	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/09/24 02:07	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/09/24 02:07	1
Trichloroethene	ND		1.0	0.30	ug/L			11/09/24 02:07	1
Methyl acetate	ND		5.0	1.6	ug/L			11/09/24 02:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/24 02:07	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/09/24 02:07	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/09/24 02:07	1
Naphthalene	ND		3.0	0.99	ug/L			11/09/24 02:07	1
o-Xylene	ND		1.0	0.11	ug/L			11/09/24 02:07	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/09/24 02:07	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/09/24 02:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/09/24 02:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/09/24 02:07	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/09/24 02:07	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/09/24 02:07	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/09/24 02:07	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/09/24 02:07	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/09/24 02:07	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/09/24 02:07	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/09/24 02:07	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/09/24 02:07	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/09/24 02:07	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/09/24 02:07	1
Total BTEX	ND		1.0	0.14	ug/L			11/09/24 02:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/09/24 02:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*		*11/09/24 02:07*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 120*		*11/09/24 02:07*	*1*
Toluene-d8 (Surr)	*103*		*80 - 125*		*11/09/24 02:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*		*11/09/24 02:07*	*1*

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/09/24 02:28	1
Styrene	ND		1.0	0.13	ug/L			11/09/24 02:28	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/09/24 02:28	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/09/24 02:28	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/09/24 02:28	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/09/24 02:28	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/09/24 02:28	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/09/24 02:28	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/09/24 02:28	1

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

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/09/24 02:28	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/09/24 02:28	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/09/24 02:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/09/24 02:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/09/24 02:28	1
Bromobenzene	ND		1.0	0.19	ug/L			11/09/24 02:28	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/09/24 02:28	1
Toluene	ND		1.0	0.32	ug/L			11/09/24 02:28	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/09/24 02:28	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/09/24 02:28	1
n-Hexane	ND		2.0	0.16	ug/L			11/09/24 02:28	1
Cyclohexane	ND		1.0	0.44	ug/L			11/09/24 02:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/09/24 02:28	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/09/24 02:28	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/09/24 02:28	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/09/24 02:28	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/09/24 02:28	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/09/24 02:28	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/09/24 02:28	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/09/24 02:28	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/09/24 02:28	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/09/24 02:28	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/09/24 02:28	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/09/24 02:28	1
2-Hexanone	ND		5.0	0.81	ug/L			11/09/24 02:28	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/09/24 02:28	1
Ethyl ether	ND		2.0	0.35	ug/L			11/09/24 02:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/09/24 02:28	1
Acetone	ND		15	6.6	ug/L			11/09/24 02:28	1
Chloroform	ND		1.0	0.36	ug/L			11/09/24 02:28	1
Benzene	ND		1.0	0.14	ug/L			11/09/24 02:28	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/09/24 02:28	1
Bromomethane	ND		5.0	2.4	ug/L			11/09/24 02:28	1
Chloromethane	ND		2.0	0.23	ug/L			11/09/24 02:28	1
Iodomethane	ND		5.0	2.6	ug/L			11/09/24 02:28	1
Dibromomethane	ND		1.0	0.34	ug/L			11/09/24 02:28	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/09/24 02:28	1
Chloroethane	ND		2.0	0.64	ug/L			11/09/24 02:28	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/09/24 02:28	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/09/24 02:28	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/09/24 02:28	1
Bromoform	ND		2.0	0.25	ug/L			11/09/24 02:28	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/09/24 02:28	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/09/24 02:28	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/09/24 02:28	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/09/24 02:28	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/09/24 02:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/09/24 02:28	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/09/24 02:28	1

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

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	4.6	ug/L			11/09/24 02:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/09/24 02:28	1
Trichloroethene	ND		1.0	0.30	ug/L			11/09/24 02:28	1
Methyl acetate	ND		5.0	1.6	ug/L			11/09/24 02:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/24 02:28	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/09/24 02:28	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/09/24 02:28	1
Naphthalene	ND		3.0	0.99	ug/L			11/09/24 02:28	1
o-Xylene	ND		1.0	0.11	ug/L			11/09/24 02:28	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/09/24 02:28	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/09/24 02:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/09/24 02:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/09/24 02:28	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/09/24 02:28	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/09/24 02:28	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/09/24 02:28	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/09/24 02:28	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/09/24 02:28	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/09/24 02:28	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/09/24 02:28	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/09/24 02:28	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/09/24 02:28	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/09/24 02:28	1
Total BTEX	ND		1.0	0.14	ug/L			11/09/24 02:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/09/24 02:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 127*		*11/09/24 02:28*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 120*		*11/09/24 02:28*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*11/09/24 02:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*78 - 120*		*11/09/24 02:28*	*1*

Client Sample ID: 071-Trip Blank
Lab Sample ID: 280-198978-6
Date Collected: 10/30/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/11/24 07:24	1
Styrene	ND		1.0	0.13	ug/L			11/11/24 07:24	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/11/24 07:24	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/11/24 07:24	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/11/24 07:24	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/11/24 07:24	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/11/24 07:24	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/11/24 07:24	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/11/24 07:24	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/11/24 07:24	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/11/24 07:24	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/11/24 07:24	1

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

Client Sample ID: 071-Trip Blank
Lab Sample ID: 280-198978-6
Date Collected: 10/30/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/11/24 07:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/11/24 07:24	1
Bromobenzene	ND		1.0	0.19	ug/L			11/11/24 07:24	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/11/24 07:24	1
Toluene	ND		1.0	0.32	ug/L			11/11/24 07:24	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/11/24 07:24	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/11/24 07:24	1
n-Hexane	ND		2.0	0.16	ug/L			11/11/24 07:24	1
Cyclohexane	ND		1.0	0.44	ug/L			11/11/24 07:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/11/24 07:24	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/11/24 07:24	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/11/24 07:24	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/11/24 07:24	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/11/24 07:24	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/11/24 07:24	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/11/24 07:24	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/11/24 07:24	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/11/24 07:24	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/11/24 07:24	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/11/24 07:24	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/11/24 07:24	1
2-Hexanone	ND		5.0	0.81	ug/L			11/11/24 07:24	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/11/24 07:24	1
Ethyl ether	ND		2.0	0.35	ug/L			11/11/24 07:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/11/24 07:24	1
Acetone	ND		15	6.6	ug/L			11/11/24 07:24	1
Chloroform	ND		1.0	0.36	ug/L			11/11/24 07:24	1
Benzene	ND		1.0	0.14	ug/L			11/11/24 07:24	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/11/24 07:24	1
Bromomethane	ND	*1	5.0	2.4	ug/L			11/11/24 07:24	1
Chloromethane	ND		2.0	0.23	ug/L			11/11/24 07:24	1
Iodomethane	ND		5.0	2.6	ug/L			11/11/24 07:24	1
Dibromomethane	ND		1.0	0.34	ug/L			11/11/24 07:24	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/11/24 07:24	1
Chloroethane	ND		2.0	0.64	ug/L			11/11/24 07:24	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/11/24 07:24	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/11/24 07:24	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/11/24 07:24	1
Bromoform	ND		2.0	0.25	ug/L			11/11/24 07:24	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/11/24 07:24	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/11/24 07:24	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/11/24 07:24	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/11/24 07:24	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/11/24 07:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/11/24 07:24	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/11/24 07:24	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/11/24 07:24	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/11/24 07:24	1
Trichloroethene	ND		1.0	0.30	ug/L			11/11/24 07:24	1

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

Client Sample ID: 071-Trip Blank — **Lab Sample ID: 280-198978-6**
Date Collected: 10/30/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	1.6	ug/L			11/11/24 07:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/24 07:24	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/11/24 07:24	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/11/24 07:24	1
Naphthalene	ND		3.0	0.99	ug/L			11/11/24 07:24	1
o-Xylene	**0.29**	**J**	1.0	0.11	ug/L			11/11/24 07:24	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/11/24 07:24	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/11/24 07:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/11/24 07:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/11/24 07:24	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/11/24 07:24	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/11/24 07:24	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/11/24 07:24	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/11/24 07:24	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/11/24 07:24	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/11/24 07:24	1
Xylenes, Total	**0.29**	**J**	1.0	0.11	ug/L			11/11/24 07:24	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/11/24 07:24	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/11/24 07:24	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/11/24 07:24	1
Total BTEX	**0.29**	**J**	1.0	0.14	ug/L			11/11/24 07:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/11/24 07:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*		*11/11/24 07:24*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 120*		*11/11/24 07:24*	*1*
Toluene-d8 (Surr)	*109*		*80 - 125*		*11/11/24 07:24*	*1*
4-Bromofluorobenzene (Surr)	*92*		*78 - 120*		*11/11/24 07:24*	*1*

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.5	1.1	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,4-Dimethylphenol	ND		9.5	1.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,4-Dinitrophenol	ND		29	12	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,4-Dinitrotoluene	ND		9.5	1.4	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,4,6-Trichlorophenol	ND		9.5	2.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,4,5-Trichlorophenol	ND		9.5	2.4	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,2'-oxybis[1-chloropropane]	ND		9.5	1.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
Di-n-butyl phthalate	ND		3.8	2.0	ug/L		11/04/24 12:15	11/05/24 19:08	1
Di-n-octyl phthalate	ND		9.5	3.4	ug/L		11/04/24 12:15	11/05/24 19:08	1
Benzo[a]anthracene	ND		3.8	0.91	ug/L		11/04/24 12:15	11/05/24 19:08	1
Benzo[a]pyrene	ND		3.8	0.48	ug/L		11/04/24 12:15	11/05/24 19:08	1
Benzo[b]fluoranthene	ND		3.8	2.0	ug/L		11/04/24 12:15	11/05/24 19:08	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V
Lab Sample ID: 280-198978-1
Date Collected: 10/28/24 13:20
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		3.8	2.7	ug/L		11/04/24 12:15	11/05/24 19:08	1
Benzo[k]fluoranthene	ND		3.8	1.0	ug/L		11/04/24 12:15	11/05/24 19:08	1
Acenaphthene	ND		3.8	0.91	ug/L		11/04/24 12:15	11/05/24 19:08	1
Acenaphthylene	ND		3.8	0.71	ug/L		11/04/24 12:15	11/05/24 19:08	1
Acetophenone	ND		9.5	2.1	ug/L		11/04/24 12:15	11/05/24 19:08	1
Anthracene	ND		3.8	0.55	ug/L		11/04/24 12:15	11/05/24 19:08	1
Atrazine	ND		9.5	0.62	ug/L		11/04/24 12:15	11/05/24 19:08	1
Benzaldehyde	ND		4.8	1.1	ug/L		11/04/24 12:15	11/05/24 19:08	1
Butyl benzyl phthalate	ND		3.8	1.5	ug/L		11/04/24 12:15	11/05/24 19:08	1
Caprolactam	ND		14	5.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
Chrysene	ND		3.8	0.92	ug/L		11/04/24 12:15	11/05/24 19:08	1
Dibenz(a,h)anthracene	ND		9.5	4.5	ug/L		11/04/24 12:15	11/05/24 19:08	1
Dibenzofuran	ND		3.8	0.90	ug/L		11/04/24 12:15	11/05/24 19:08	1
Diethyl phthalate	ND		3.8	1.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
Hexachlorobenzene	ND		9.5	2.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
Hexachlorocyclopentadiene	ND	*+	48	15	ug/L		11/04/24 12:15	11/05/24 19:08	1
Hexachlorobutadiene	ND		9.5	2.7	ug/L		11/04/24 12:15	11/05/24 19:08	1
Hexachloroethane	ND		9.5	4.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
Fluoranthene	ND		3.8	1.0	ug/L		11/04/24 12:15	11/05/24 19:08	1
Fluorene	ND		3.8	0.74	ug/L		11/04/24 12:15	11/05/24 19:08	1
Indeno[1,2,3-cd]pyrene	ND		9.5	3.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
Isophorone	ND		9.5	1.9	ug/L		11/04/24 12:15	11/05/24 19:08	1
N-Nitrosodi-n-propylamine	ND		9.5	1.8	ug/L		11/04/24 12:15	11/05/24 19:08	1
N-Nitrosodiphenylamine	ND		9.5	1.7	ug/L		11/04/24 12:15	11/05/24 19:08	1
Naphthalene	ND		3.8	1.4	ug/L		11/04/24 12:15	11/05/24 19:08	1
Nitrobenzene	ND		9.5	1.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
Pentachlorophenol	ND	*+	48	19	ug/L		11/04/24 12:15	11/05/24 19:08	1
Phenanthrene	ND		3.8	1.5	ug/L		11/04/24 12:15	11/05/24 19:08	1
Phenol	ND		9.5	0.87	ug/L		11/04/24 12:15	11/05/24 19:08	1
Pyrene	ND		9.5	2.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
2-Chloronaphthalene	ND		3.8	1.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
2-Chlorophenol	ND		9.5	2.4	ug/L		11/04/24 12:15	11/05/24 19:08	1
2-Methylnaphthalene	ND		3.8	1.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
2-Methylphenol	ND		9.5	0.73	ug/L		11/04/24 12:15	11/05/24 19:08	1
2-Nitroaniline	ND		9.5	2.5	ug/L		11/04/24 12:15	11/05/24 19:08	1
2-Nitrophenol	ND		9.5	3.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
3,3'-Dichlorobenzidine	ND		48	3.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
3-Nitroaniline	ND		9.5	3.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
4,6-Dinitro-2-methylphenol	ND		48	3.8	ug/L		11/04/24 12:15	11/05/24 19:08	1
4-Bromophenyl phenyl ether	ND		9.5	0.96	ug/L		11/04/24 12:15	11/05/24 19:08	1
3 & 4 Methylphenol	ND		9.5	2.1	ug/L		11/04/24 12:15	11/05/24 19:08	1
4-Nitroaniline	ND		9.5	2.5	ug/L		11/04/24 12:15	11/05/24 19:08	1
4-Nitrophenol	ND		24	8.6	ug/L		11/04/24 12:15	11/05/24 19:08	1
Bis(2-chloroethoxy)methane	ND		9.5	2.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
Bis(2-chloroethyl)ether	ND		9.5	1.9	ug/L		11/04/24 12:15	11/05/24 19:08	1
Bis(2-ethylhexyl) phthalate	ND		9.5	3.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
2,6-Dinitrotoluene	ND		9.5	1.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
4-Chloro-3-methylphenol	ND		9.5	1.6	ug/L		11/04/24 12:15	11/05/24 19:08	1
4-Chloroaniline	ND		19	6.0	ug/L		11/04/24 12:15	11/05/24 19:08	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		9.5	1.2	ug/L		11/04/24 12:15	11/05/24 19:08	1
Carbazole	ND		3.8	1.3	ug/L		11/04/24 12:15	11/05/24 19:08	1
Dimethyl phthalate	ND		3.8	0.71	ug/L		11/04/24 12:15	11/05/24 19:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Naphthoquinone	*34*	*J*	*ug/L*		*6.74*	*130-15-4*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
Dinoseb	*5.3*	*J*	*ug/L*		*8.50*	*88-85-7*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*11/04/24 12:15*	*11/05/24 19:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*51*		*13 - 120*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
Phenol-d5 (Surr)	*33*		*10 - 120*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
Nitrobenzene-d5 (Surr)	*72*		*34 - 120*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
2-Fluorobiphenyl (Surr)	*57*		*28 - 120*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*22 - 140*	*11/04/24 12:15*	*11/05/24 19:08*	*1*
Terphenyl-d14 (Surr)	*82*		*55 - 142*	*11/04/24 12:15*	*11/05/24 19:08*	*1*

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.4	1.1	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,4-Dimethylphenol	ND		9.4	1.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,4-Dinitrophenol	ND		28	12	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,4-Dinitrotoluene	ND		9.4	1.4	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,4,6-Trichlorophenol	ND		9.4	2.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,4,5-Trichlorophenol	ND		9.4	2.4	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,2'-oxybis[1-chloropropane]	ND		9.4	1.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Di-n-butyl phthalate	ND		3.8	2.0	ug/L		11/04/24 12:15	11/05/24 19:29	1
Di-n-octyl phthalate	ND		9.4	3.4	ug/L		11/04/24 12:15	11/05/24 19:29	1
Benzo[a]anthracene	ND		3.8	0.91	ug/L		11/04/24 12:15	11/05/24 19:29	1
Benzo[a]pyrene	ND		3.8	0.47	ug/L		11/04/24 12:15	11/05/24 19:29	1
Benzo[b]fluoranthene	ND		3.8	2.0	ug/L		11/04/24 12:15	11/05/24 19:29	1
Benzo[g,h,i]perylene	ND		3.8	2.7	ug/L		11/04/24 12:15	11/05/24 19:29	1
Benzo[k]fluoranthene	ND		3.8	0.99	ug/L		11/04/24 12:15	11/05/24 19:29	1
Acenaphthene	ND		3.8	0.91	ug/L		11/04/24 12:15	11/05/24 19:29	1
Acenaphthylene	ND		3.8	0.70	ug/L		11/04/24 12:15	11/05/24 19:29	1
Acetophenone	ND		9.4	2.1	ug/L		11/04/24 12:15	11/05/24 19:29	1
Anthracene	ND		3.8	0.55	ug/L		11/04/24 12:15	11/05/24 19:29	1
Atrazine	ND		9.4	0.61	ug/L		11/04/24 12:15	11/05/24 19:29	1
Benzaldehyde	ND		4.7	1.1	ug/L		11/04/24 12:15	11/05/24 19:29	1
Butyl benzyl phthalate	ND		3.8	1.4	ug/L		11/04/24 12:15	11/05/24 19:29	1
Caprolactam	ND		14	5.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Chrysene	ND		3.8	0.92	ug/L		11/04/24 12:15	11/05/24 19:29	1
Dibenz(a,h)anthracene	ND		9.4	4.5	ug/L		11/04/24 12:15	11/05/24 19:29	1
Dibenzofuran	ND		3.8	0.90	ug/L		11/04/24 12:15	11/05/24 19:29	1
Diethyl phthalate	ND		3.8	1.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
Hexachlorobenzene	ND		9.4	2.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Hexachlorocyclopentadiene	ND	*+	47	15	ug/L		11/04/24 12:15	11/05/24 19:29	1

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

Client Sample ID: 071-09185 Golden Eagle 20-13
Lab Sample ID: 280-198978-2
Date Collected: 10/29/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		9.4	2.7	ug/L		11/04/24 12:15	11/05/24 19:29	1
Hexachloroethane	ND		9.4	4.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Fluoranthene	ND		3.8	1.0	ug/L		11/04/24 12:15	11/05/24 19:29	1
Fluorene	ND		3.8	0.74	ug/L		11/04/24 12:15	11/05/24 19:29	1
Indeno[1,2,3-cd]pyrene	ND		9.4	3.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Isophorone	ND		9.4	1.9	ug/L		11/04/24 12:15	11/05/24 19:29	1
N-Nitrosodi-n-propylamine	ND		9.4	1.8	ug/L		11/04/24 12:15	11/05/24 19:29	1
N-Nitrosodiphenylamine	ND		9.4	1.7	ug/L		11/04/24 12:15	11/05/24 19:29	1
Naphthalene	ND		3.8	1.4	ug/L		11/04/24 12:15	11/05/24 19:29	1
Nitrobenzene	ND		9.4	1.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Pentachlorophenol	ND	*+	47	19	ug/L		11/04/24 12:15	11/05/24 19:29	1
Phenanthrene	ND		3.8	1.5	ug/L		11/04/24 12:15	11/05/24 19:29	1
Phenol	ND		9.4	0.87	ug/L		11/04/24 12:15	11/05/24 19:29	1
Pyrene	ND		9.4	2.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
2-Chloronaphthalene	ND		3.8	1.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
2-Chlorophenol	ND		9.4	2.4	ug/L		11/04/24 12:15	11/05/24 19:29	1
2-Methylnaphthalene	ND		3.8	1.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
2-Methylphenol	ND		9.4	0.73	ug/L		11/04/24 12:15	11/05/24 19:29	1
2-Nitroaniline	ND		9.4	2.5	ug/L		11/04/24 12:15	11/05/24 19:29	1
2-Nitrophenol	ND		9.4	3.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
3,3'-Dichlorobenzidine	ND		47	3.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
3-Nitroaniline	ND		9.4	3.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
4,6-Dinitro-2-methylphenol	ND		47	3.8	ug/L		11/04/24 12:15	11/05/24 19:29	1
4-Bromophenyl phenyl ether	ND		9.4	0.95	ug/L		11/04/24 12:15	11/05/24 19:29	1
3 & 4 Methylphenol	ND		9.4	2.0	ug/L		11/04/24 12:15	11/05/24 19:29	1
4-Nitroaniline	ND		9.4	2.5	ug/L		11/04/24 12:15	11/05/24 19:29	1
4-Nitrophenol	ND		24	8.5	ug/L		11/04/24 12:15	11/05/24 19:29	1
Bis(2-chloroethoxy)methane	ND		9.4	2.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
Bis(2-chloroethyl)ether	ND		9.4	1.9	ug/L		11/04/24 12:15	11/05/24 19:29	1
Bis(2-ethylhexyl) phthalate	ND		9.4	3.1	ug/L		11/04/24 12:15	11/05/24 19:29	1
2,6-Dinitrotoluene	ND		9.4	1.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
4-Chloro-3-methylphenol	ND		9.4	1.6	ug/L		11/04/24 12:15	11/05/24 19:29	1
4-Chloroaniline	ND		19	5.9	ug/L		11/04/24 12:15	11/05/24 19:29	1
4-Chlorophenyl phenyl ether	ND		9.4	1.2	ug/L		11/04/24 12:15	11/05/24 19:29	1
Carbazole	ND		3.8	1.3	ug/L		11/04/24 12:15	11/05/24 19:29	1
Dimethyl phthalate	ND		3.8	0.71	ug/L		11/04/24 12:15	11/05/24 19:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dinoseb	*5.3*	*J*	*ug/L*		*8.44*	*88-85-7*	*11/04/24 12:15*	*11/05/24 19:29*	*1*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*11/04/24 12:15*	*11/05/24 19:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*60*		*13 - 120*	*11/04/24 12:15*	*11/05/24 19:29*	*1*
Phenol-d5 (Surr)	*40*		*10 - 120*	*11/04/24 12:15*	*11/05/24 19:29*	*1*
Nitrobenzene-d5 (Surr)	*85*		*34 - 120*	*11/04/24 12:15*	*11/05/24 19:29*	*1*
2-Fluorobiphenyl (Surr)	*71*		*28 - 120*	*11/04/24 12:15*	*11/05/24 19:29*	*1*
2,4,6-Tribromophenol (Surr)	*103*		*22 - 140*	*11/04/24 12:15*	*11/05/24 19:29*	*1*
Terphenyl-d14 (Surr)	*98*		*55 - 142*	*11/04/24 12:15*	*11/05/24 19:29*	*1*

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

Client Sample ID: 071-09212 Apache Canyon 35-10
Lab Sample ID: 280-198978-3
Date Collected: 10/29/24 11:40
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.7	1.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,4-Dimethylphenol	ND		9.7	1.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,4-Dinitrophenol	ND		29	12	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,4-Dinitrotoluene	ND		9.7	1.4	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,4,6-Trichlorophenol	ND		9.7	2.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,4,5-Trichlorophenol	ND		9.7	2.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,2'-oxybis[1-chloropropane]	ND		9.7	1.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
Di-n-butyl phthalate	ND		3.9	2.0	ug/L		11/04/24 12:15	11/05/24 19:51	1
Di-n-octyl phthalate	ND		9.7	3.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
Benzo[a]anthracene	ND		3.9	0.93	ug/L		11/04/24 12:15	11/05/24 19:51	1
Benzo[a]pyrene	ND		3.9	0.49	ug/L		11/04/24 12:15	11/05/24 19:51	1
Benzo[b]fluoranthene	ND		3.9	2.1	ug/L		11/04/24 12:15	11/05/24 19:51	1
Benzo[g,h,i]perylene	ND		3.9	2.8	ug/L		11/04/24 12:15	11/05/24 19:51	1
Benzo[k]fluoranthene	ND		3.9	1.0	ug/L		11/04/24 12:15	11/05/24 19:51	1
Acenaphthene	ND		3.9	0.93	ug/L		11/04/24 12:15	11/05/24 19:51	1
Acenaphthylene	ND		3.9	0.73	ug/L		11/04/24 12:15	11/05/24 19:51	1
Acetophenone	ND		9.7	2.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
Anthracene	ND		3.9	0.56	ug/L		11/04/24 12:15	11/05/24 19:51	1
Atrazine	ND		9.7	0.63	ug/L		11/04/24 12:15	11/05/24 19:51	1
Benzaldehyde	ND		4.9	1.1	ug/L		11/04/24 12:15	11/05/24 19:51	1
Butyl benzyl phthalate	ND		3.9	1.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
Caprolactam	ND		15	5.4	ug/L		11/04/24 12:15	11/05/24 19:51	1
Chrysene	ND		3.9	0.94	ug/L		11/04/24 12:15	11/05/24 19:51	1
Dibenz(a,h)anthracene	ND		9.7	4.6	ug/L		11/04/24 12:15	11/05/24 19:51	1
Dibenzofuran	ND		3.9	0.92	ug/L		11/04/24 12:15	11/05/24 19:51	1
Diethyl phthalate	ND		3.9	1.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
Hexachlorobenzene	ND		9.7	2.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
Hexachlorocyclopentadiene	ND	*+	49	16	ug/L		11/04/24 12:15	11/05/24 19:51	1
Hexachlorobutadiene	ND		9.7	2.8	ug/L		11/04/24 12:15	11/05/24 19:51	1
Hexachloroethane	ND		9.7	4.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
Fluoranthene	ND		3.9	1.1	ug/L		11/04/24 12:15	11/05/24 19:51	1
Fluorene	ND		3.9	0.76	ug/L		11/04/24 12:15	11/05/24 19:51	1
Indeno[1,2,3-cd]pyrene	ND		9.7	3.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
Isophorone	ND		9.7	1.9	ug/L		11/04/24 12:15	11/05/24 19:51	1
N-Nitrosodi-n-propylamine	ND		9.7	1.9	ug/L		11/04/24 12:15	11/05/24 19:51	1
N-Nitrosodiphenylamine	ND		9.7	1.8	ug/L		11/04/24 12:15	11/05/24 19:51	1
Naphthalene	ND		3.9	1.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
Nitrobenzene	ND		9.7	1.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
Pentachlorophenol	ND	*+	49	19	ug/L		11/04/24 12:15	11/05/24 19:51	1
Phenanthrene	ND		3.9	1.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
Phenol	ND		9.7	0.89	ug/L		11/04/24 12:15	11/05/24 19:51	1
Pyrene	ND		9.7	2.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
2-Chloronaphthalene	ND		3.9	1.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
2-Chlorophenol	ND		9.7	2.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
2-Methylnaphthalene	ND		3.9	1.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
2-Methylphenol	ND		9.7	0.75	ug/L		11/04/24 12:15	11/05/24 19:51	1
2-Nitroaniline	ND		9.7	2.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
2-Nitrophenol	ND		9.7	3.4	ug/L		11/04/24 12:15	11/05/24 19:51	1

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

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		49	3.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
3-Nitroaniline	ND		9.7	3.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
4,6-Dinitro-2-methylphenol	ND		49	3.9	ug/L		11/04/24 12:15	11/05/24 19:51	1
4-Bromophenyl phenyl ether	ND		9.7	0.98	ug/L		11/04/24 12:15	11/05/24 19:51	1
3 & 4 Methylphenol	ND		9.7	2.1	ug/L		11/04/24 12:15	11/05/24 19:51	1
4-Nitroaniline	ND		9.7	2.5	ug/L		11/04/24 12:15	11/05/24 19:51	1
4-Nitrophenol	ND		24	8.8	ug/L		11/04/24 12:15	11/05/24 19:51	1
Bis(2-chloroethoxy)methane	ND		9.7	2.3	ug/L		11/04/24 12:15	11/05/24 19:51	1
Bis(2-chloroethyl)ether	ND		9.7	2.0	ug/L		11/04/24 12:15	11/05/24 19:51	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
2,6-Dinitrotoluene	ND		9.7	1.4	ug/L		11/04/24 12:15	11/05/24 19:51	1
4-Chloro-3-methylphenol	ND		9.7	1.6	ug/L		11/04/24 12:15	11/05/24 19:51	1
4-Chloroaniline	ND		19	6.1	ug/L		11/04/24 12:15	11/05/24 19:51	1
4-Chlorophenyl phenyl ether	ND		9.7	1.2	ug/L		11/04/24 12:15	11/05/24 19:51	1
Carbazole	ND		3.9	1.4	ug/L		11/04/24 12:15	11/05/24 19:51	1
Dimethyl phthalate	ND		3.9	0.73	ug/L		11/04/24 12:15	11/05/24 19:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dinoseb	*5.4*	*J*	*ug/L*		*8.29*	*88-85-7*	*11/04/24 12:15*	*11/05/24 19:51*	*1*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*11/04/24 12:15*	*11/05/24 19:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*52*		*13 - 120*	*11/04/24 12:15*	*11/05/24 19:51*	*1*
Phenol-d5 (Surr)	*35*		*10 - 120*	*11/04/24 12:15*	*11/05/24 19:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*34 - 120*	*11/04/24 12:15*	*11/05/24 19:51*	*1*
2-Fluorobiphenyl (Surr)	*64*		*28 - 120*	*11/04/24 12:15*	*11/05/24 19:51*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*22 - 140*	*11/04/24 12:15*	*11/05/24 19:51*	*1*
Terphenyl-d14 (Surr)	*90*		*55 - 142*	*11/04/24 12:15*	*11/05/24 19:51*	*1*

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.6	1.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,4-Dimethylphenol	ND		9.6	1.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,4-Dinitrophenol	ND		29	12	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,4-Dinitrotoluene	ND		9.6	1.4	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,4,6-Trichlorophenol	ND		9.6	2.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,4,5-Trichlorophenol	ND		9.6	2.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,2'-oxybis[1-chloropropane]	ND		9.6	1.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
Di-n-butyl phthalate	ND		3.8	2.0	ug/L		11/04/24 12:15	11/05/24 20:12	1
Di-n-octyl phthalate	ND		9.6	3.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
Benzo[a]anthracene	ND		3.8	0.92	ug/L		11/04/24 12:15	11/05/24 20:12	1
Benzo[a]pyrene	ND		3.8	0.48	ug/L		11/04/24 12:15	11/05/24 20:12	1
Benzo[b]fluoranthene	ND		3.8	2.1	ug/L		11/04/24 12:15	11/05/24 20:12	1
Benzo[g,h,i]perylene	ND		3.8	2.7	ug/L		11/04/24 12:15	11/05/24 20:12	1
Benzo[k]fluoranthene	ND		3.8	1.0	ug/L		11/04/24 12:15	11/05/24 20:12	1
Acenaphthene	ND		3.8	0.92	ug/L		11/04/24 12:15	11/05/24 20:12	1
Acenaphthylene	ND		3.8	0.72	ug/L		11/04/24 12:15	11/05/24 20:12	1

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

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		9.6	2.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
Anthracene	ND		3.8	0.56	ug/L		11/04/24 12:15	11/05/24 20:12	1
Atrazine	ND		9.6	0.62	ug/L		11/04/24 12:15	11/05/24 20:12	1
Benzaldehyde	ND		4.8	1.1	ug/L		11/04/24 12:15	11/05/24 20:12	1
Butyl benzyl phthalate	ND		3.8	1.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
Caprolactam	ND		14	5.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
Chrysene	ND		3.8	0.93	ug/L		11/04/24 12:15	11/05/24 20:12	1
Dibenz(a,h)anthracene	ND		9.6	4.6	ug/L		11/04/24 12:15	11/05/24 20:12	1
Dibenzofuran	ND		3.8	0.91	ug/L		11/04/24 12:15	11/05/24 20:12	1
Diethyl phthalate	ND		3.8	1.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
Hexachlorobenzene	ND		9.6	2.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
Hexachlorocyclopentadiene	ND	*+	48	15	ug/L		11/04/24 12:15	11/05/24 20:12	1
Hexachlorobutadiene	ND		9.6	2.7	ug/L		11/04/24 12:15	11/05/24 20:12	1
Hexachloroethane	ND		9.6	4.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
Fluoranthene	ND		3.8	1.1	ug/L		11/04/24 12:15	11/05/24 20:12	1
Fluorene	ND		3.8	0.75	ug/L		11/04/24 12:15	11/05/24 20:12	1
Indeno[1,2,3-cd]pyrene	ND		9.6	3.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
Isophorone	ND		9.6	1.9	ug/L		11/04/24 12:15	11/05/24 20:12	1
N-Nitrosodi-n-propylamine	ND		9.6	1.8	ug/L		11/04/24 12:15	11/05/24 20:12	1
N-Nitrosodiphenylamine	ND		9.6	1.7	ug/L		11/04/24 12:15	11/05/24 20:12	1
Naphthalene	ND		3.8	1.4	ug/L		11/04/24 12:15	11/05/24 20:12	1
Nitrobenzene	ND		9.6	1.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
Pentachlorophenol	ND	*+	48	19	ug/L		11/04/24 12:15	11/05/24 20:12	1
Phenanthrene	ND		3.8	1.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
Phenol	ND		9.6	0.88	ug/L		11/04/24 12:15	11/05/24 20:12	1
Pyrene	ND		9.6	2.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
2-Chloronaphthalene	ND		3.8	1.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
2-Chlorophenol	ND		9.6	2.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
2-Methylnaphthalene	ND		3.8	1.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
2-Methylphenol	ND		9.6	0.74	ug/L		11/04/24 12:15	11/05/24 20:12	1
2-Nitroaniline	ND		9.6	2.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
2-Nitrophenol	ND		9.6	3.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
3,3'-Dichlorobenzidine	ND		48	3.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
3-Nitroaniline	ND		9.6	3.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
4,6-Dinitro-2-methylphenol	ND		48	3.9	ug/L		11/04/24 12:15	11/05/24 20:12	1
4-Bromophenyl phenyl ether	ND		9.6	0.97	ug/L		11/04/24 12:15	11/05/24 20:12	1
3 & 4 Methylphenol	ND		9.6	2.1	ug/L		11/04/24 12:15	11/05/24 20:12	1
4-Nitroaniline	ND		9.6	2.5	ug/L		11/04/24 12:15	11/05/24 20:12	1
4-Nitrophenol	ND		24	8.7	ug/L		11/04/24 12:15	11/05/24 20:12	1
Bis(2-chloroethoxy)methane	ND		9.6	2.3	ug/L		11/04/24 12:15	11/05/24 20:12	1
Bis(2-chloroethyl)ether	ND		9.6	1.9	ug/L		11/04/24 12:15	11/05/24 20:12	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
2,6-Dinitrotoluene	ND		9.6	1.4	ug/L		11/04/24 12:15	11/05/24 20:12	1
4-Chloro-3-methylphenol	ND		9.6	1.6	ug/L		11/04/24 12:15	11/05/24 20:12	1
4-Chloroaniline	ND		19	6.0	ug/L		11/04/24 12:15	11/05/24 20:12	1
4-Chlorophenyl phenyl ether	ND		9.6	1.2	ug/L		11/04/24 12:15	11/05/24 20:12	1
Carbazole	ND		3.8	1.4	ug/L		11/04/24 12:15	11/05/24 20:12	1
Dimethyl phthalate	ND		3.8	0.72	ug/L		11/04/24 12:15	11/05/24 20:12	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Dinoseb	5.3	J	ug/L		8.41	88-85-7	11/04/24 12:15	11/05/24 20:12	1
Unknown	21	T J	ug/L		13.55	N/A	11/04/24 12:15	11/05/24 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	47		13 - 120	11/04/24 12:15	11/05/24 20:12	1
Phenol-d5 (Surr)	31		10 - 120	11/04/24 12:15	11/05/24 20:12	1
Nitrobenzene-d5 (Surr)	69		34 - 120	11/04/24 12:15	11/05/24 20:12	1
2-Fluorobiphenyl (Surr)	57		28 - 120	11/04/24 12:15	11/05/24 20:12	1
2,4,6-Tribromophenol (Surr)	82		22 - 140	11/04/24 12:15	11/05/24 20:12	1
Terphenyl-d14 (Surr)	82		55 - 142	11/04/24 12:15	11/05/24 20:12	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		25	10	ug/L			11/06/24 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	98		82 - 110		11/06/24 18:49	1

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		25	10	ug/L			11/06/24 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	102		82 - 110		11/06/24 19:13	1

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		25	10	ug/L			11/06/24 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	105		82 - 110		11/06/24 22:00	1

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		25	10	ug/L			11/06/24 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (Surr)	102		82 - 110		11/06/24 22:21	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.041	J	0.24	0.031	mg/L		11/04/24 14:28	11/07/24 19:39	1
Motor Oil (C20-C38)	0.081	J	0.48	0.054	mg/L		11/04/24 14:28	11/07/24 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*62 - 153*	*11/04/24 14:28*	*11/07/24 19:39*	*1*
n-Octacosane (Surr)	*75*		*45 - 156*	*11/04/24 14:28*	*11/07/24 19:39*	*1*

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.24	0.032	mg/L		11/04/24 14:28	11/07/24 19:59	1
Motor Oil (C20-C38)	0.23	J	0.49	0.055	mg/L		11/04/24 14:28	11/07/24 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*	*S1-*	*62 - 153*	*11/04/24 14:28*	*11/07/24 19:59*	*1*
n-Octacosane (Surr)	*78*		*45 - 156*	*11/04/24 14:28*	*11/07/24 19:59*	*1*

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.077	J	0.24	0.031	mg/L		11/04/24 14:28	11/07/24 20:18	1
Motor Oil (C20-C38)	0.13	J	0.48	0.054	mg/L		11/04/24 14:28	11/07/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*	*S1-*	*62 - 153*	*11/04/24 14:28*	*11/07/24 20:18*	*1*
n-Octacosane (Surr)	*61*		*45 - 156*	*11/04/24 14:28*	*11/07/24 20:18*	*1*

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.035	J	0.24	0.031	mg/L		11/04/24 14:28	11/07/24 20:38	1
Motor Oil (C20-C38)	0.065	J	0.48	0.054	mg/L		11/04/24 14:28	11/07/24 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*62 - 153*	*11/04/24 14:28*	*11/07/24 20:38*	*1*
n-Octacosane (Surr)	*74*		*45 - 156*	*11/04/24 14:28*	*11/07/24 20:38*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.1	0.19	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoropentanoic acid (PFPeA)	ND		1.5	0.10	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorohexanoic acid (PFHxA)	ND		1.5	0.41	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoroheptanoic acid (PFHpA)	ND		1.5	0.15	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorooctanoic acid (PFOA)	ND		1.5	0.45	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorononanoic acid (PFNA)	ND		1.5	0.30	ng/L		11/05/24 10:20	11/06/24 05:18	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-07213 Hill Ranch 22-01V
Lab Sample ID: 280-198978-1
Date Collected: 10/28/24 13:20
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		1.5	0.15	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.20	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.13	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.5	0.23	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.30	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.5	0.54	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.26	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.54	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.33	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.5	0.14	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.20	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.35	ng/L		11/05/24 10:20	11/06/24 05:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.43	ng/L		11/05/24 10:20	11/06/24 05:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	1.5	ng/L		11/05/24 10:20	11/06/24 05:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	1.3	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.31	ng/L		11/05/24 10:20	11/06/24 05:18	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.49	ng/L		11/05/24 10:20	11/06/24 05:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.57	ng/L		11/05/24 10:20	11/06/24 05:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.62	ng/L		11/05/24 10:20	11/06/24 05:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.42	ng/L		11/05/24 10:20	11/06/24 05:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.7	1.3	ng/L		11/05/24 10:20	11/06/24 05:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.7	1.2	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoro(2-propoxypropanoic) acid (GenX)	ND		1.2	0.41	ng/L		11/05/24 10:20	11/06/24 05:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.19	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.16	ng/L		11/05/24 10:20	11/06/24 05:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.41	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.12	ng/L		11/05/24 10:20	11/06/24 05:18	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:18	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.13	ng/L		11/05/24 10:20	11/06/24 05:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.48	ng/L		11/05/24 10:20	11/06/24 05:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.7	0.57	ng/L		11/05/24 10:20	11/06/24 05:18	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.7	1.1	ng/L		11/05/24 10:20	11/06/24 05:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*59.7*		*5 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C5 PFPeA	*89.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C5 PFHxA	*88.6*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C4 PFHpA	*87.2*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C8 PFOA	*88.4*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C9 PFNA	*92.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C6 PFDA	*88.9*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C7 PFUnA	*82.0*		*30 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C2 PFDoA	*73.7*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C2 PFTeDA	*66.0*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C3 PFBS	*91.4*		*40 - 135*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C3 PFHxS	*88.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C8 PFOS	*94.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C8 FOSA	*87.5*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
d3-NMeFOSAA	*91.4*		*40 - 170*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
d5-NEtFOSAA	*84.1*		*25 - 135*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
M2-4:2 FTS	*102*		*40 - 200*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
M2-6:2 FTS	*99.9*		*40 - 200*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
M2-8:2 FTS	*95.6*		*40 - 300*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
13C3 HFPO-DA	*88.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
d7-N-MeFOSE-M	*65.1*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
d9-N-EtFOSE-M	*60.5*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
d5-NEtPFOSA	*64.0*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*
d3-NMePFOSA	*67.9*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:18*	*1*

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.1	0.19	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.10	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.41	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.16	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.45	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.30	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.15	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.20	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.13	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.23	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.54	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.26	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.55	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.33	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.14	ng/L		11/05/24 10:20	11/06/24 05:38	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-09185 Golden Eagle 20-13
Lab Sample ID: 280-198978-2
Date Collected: 10/29/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.20	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.22	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.36	ng/L		11/05/24 10:20	11/06/24 05:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.43	ng/L		11/05/24 10:20	11/06/24 05:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	1.5	ng/L		11/05/24 10:20	11/06/24 05:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	1.3	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 05:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.50	ng/L		11/05/24 10:20	11/06/24 05:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.57	ng/L		11/05/24 10:20	11/06/24 05:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.62	ng/L		11/05/24 10:20	11/06/24 05:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.42	ng/L		11/05/24 10:20	11/06/24 05:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.8	1.3	ng/L		11/05/24 10:20	11/06/24 05:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.8	1.2	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoro(2-propoxypropanoic) acid (GenX)	ND		1.2	0.41	ng/L		11/05/24 10:20	11/06/24 05:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.19	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.16	ng/L		11/05/24 10:20	11/06/24 05:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.12	ng/L		11/05/24 10:20	11/06/24 05:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.23	ng/L		11/05/24 10:20	11/06/24 05:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.22	ng/L		11/05/24 10:20	11/06/24 05:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.13	ng/L		11/05/24 10:20	11/06/24 05:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.48	ng/L		11/05/24 10:20	11/06/24 05:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.8	0.57	ng/L		11/05/24 10:20	11/06/24 05:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.8	1.1	ng/L		11/05/24 10:20	11/06/24 05:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75.9*		*5 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C5 PFPeA	*86.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C5 PFHxA	*85.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C4 PFHpA	*84.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C8 PFOA	*88.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C9 PFNA	*83.4*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C6 PFDA	*80.9*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C7 PFUnA	*77.9*		*30 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-09185 Golden Eagle 20-13
Lab Sample ID: 280-198978-2
Date Collected: 10/29/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDoA	*72.0*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C2 PFTeDA	*59.8*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C3 PFBS	*85.7*		*40 - 135*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C3 PFHxS	*83.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C8 PFOS	*83.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C8 FOSA	*80.6*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
d3-NMeFOSAA	*84.2*		*40 - 170*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
d5-NEtFOSAA	*79.8*		*25 - 135*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
M2-4:2 FTS	*93.9*		*40 - 200*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
M2-6:2 FTS	*92.4*		*40 - 200*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
M2-8:2 FTS	*89.5*		*40 - 300*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
13C3 HFPO-DA	*84.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
d7-N-MeFOSE-M	*58.5*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
d9-N-EtFOSE-M	*53.1*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
d5-NEtPFOSA	*61.4*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*
d3-NMePFOSA	*63.5*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:38*	*1*

Client Sample ID: 071-09212 Apache Canyon 35-10
Lab Sample ID: 280-198978-3
Date Collected: 10/29/24 11:40
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.1	0.19	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoropentanoic acid (PFPeA)	ND		1.5	0.10	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorohexanoic acid (PFHxA)	ND		1.5	0.40	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoroheptanoic acid (PFHpA)	ND		1.5	0.15	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorooctanoic acid (PFOA)	ND		1.5	0.45	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorononanoic acid (PFNA)	ND		1.5	0.30	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.15	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.20	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.13	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.30	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.5	0.54	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.26	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.54	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.33	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.5	0.14	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.20	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.35	ng/L		11/05/24 10:20	11/06/24 05:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.43	ng/L		11/05/24 10:20	11/06/24 05:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	1.5	ng/L		11/05/24 10:20	11/06/24 05:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	1.3	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.31	ng/L		11/05/24 10:20	11/06/24 05:57	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-09212 Apache Canyon 35-10
Lab Sample ID: 280-198978-3
Date Collected: 10/29/24 11:40
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.49	ng/L		11/05/24 10:20	11/06/24 05:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.57	ng/L		11/05/24 10:20	11/06/24 05:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.62	ng/L		11/05/24 10:20	11/06/24 05:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.42	ng/L		11/05/24 10:20	11/06/24 05:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.7	1.3	ng/L		11/05/24 10:20	11/06/24 05:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.7	1.2	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoro(2-propoxypropanoic) acid (GenX)	ND		1.2	0.41	ng/L		11/05/24 10:20	11/06/24 05:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.19	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.16	ng/L		11/05/24 10:20	11/06/24 05:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.41	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.12	ng/L		11/05/24 10:20	11/06/24 05:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.22	ng/L		11/05/24 10:20	11/06/24 05:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.13	ng/L		11/05/24 10:20	11/06/24 05:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.48	ng/L		11/05/24 10:20	11/06/24 05:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.7	0.57	ng/L		11/05/24 10:20	11/06/24 05:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.7	1.1	ng/L		11/05/24 10:20	11/06/24 05:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*36.8*		*5 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C5 PFPeA	*91.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C5 PFHxA	*89.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C4 PFHpA	*91.4*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C8 PFOA	*89.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C9 PFNA	*88.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C6 PFDA	*82.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C7 PFUnA	*79.0*		*30 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C2 PFDoA	*75.3*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C2 PFTeDA	*59.0*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C3 PFBS	*90.0*		*40 - 135*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C3 PFHxS	*86.2*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C8 PFOS	*84.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C8 FOSA	*83.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
d3-NMeFOSAA	*91.0*		*40 - 170*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
d5-NEtFOSAA	*85.1*		*25 - 135*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
M2-4:2 FTS	*99.3*		*40 - 200*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
M2-6:2 FTS	*99.4*		*40 - 200*	*11/05/24 10:20*	*11/06/24 05:57*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*95.8*		*40 - 300*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
13C3 HFPO-DA	*88.4*		*40 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
d7-N-MeFOSE-M	*60.9*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
d9-N-EtFOSE-M	*56.3*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
d5-NEtPFOSA	*68.7*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*
d3-NMePFOSA	*73.3*		*10 - 130*	*11/05/24 10:20*	*11/06/24 05:57*	*1*

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.1	0.19	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.10	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.41	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.16	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.46	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.15	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.21	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.13	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.23	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.55	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.26	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.55	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.33	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.14	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.21	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.22	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.36	ng/L		11/05/24 10:20	11/06/24 06:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.43	ng/L		11/05/24 10:20	11/06/24 06:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	1.5	ng/L		11/05/24 10:20	11/06/24 06:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	1.3	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 06:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.50	ng/L		11/05/24 10:20	11/06/24 06:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.58	ng/L		11/05/24 10:20	11/06/24 06:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.63	ng/L		11/05/24 10:20	11/06/24 06:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.42	ng/L		11/05/24 10:20	11/06/24 06:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.8	1.3	ng/L		11/05/24 10:20	11/06/24 06:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.8	1.2	ng/L		11/05/24 10:20	11/06/24 06:17	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro(2-propoxypropanoic) acid (GenX)	ND		1.2	0.42	ng/L		11/05/24 10:20	11/06/24 06:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.19	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.16	ng/L		11/05/24 10:20	11/06/24 06:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.42	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.12	ng/L		11/05/24 10:20	11/06/24 06:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.23	ng/L		11/05/24 10:20	11/06/24 06:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.22	ng/L		11/05/24 10:20	11/06/24 06:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.13	ng/L		11/05/24 10:20	11/06/24 06:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.49	ng/L		11/05/24 10:20	11/06/24 06:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.8	0.57	ng/L		11/05/24 10:20	11/06/24 06:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.8	1.1	ng/L		11/05/24 10:20	11/06/24 06:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66.0*		*5 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C5 PFPeA	*90.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C5 PFHxA	*87.3*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C4 PFHpA	*89.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C8 PFOA	*86.5*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C9 PFNA	*86.5*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C6 PFDA	*86.3*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C7 PFUnA	*77.4*		*30 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C2 PFDoA	*68.7*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C2 PFTeDA	*43.2*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C3 PFBS	*90.1*		*40 - 135*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C3 PFHxS	*87.5*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C8 PFOS	*82.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C8 FOSA	*82.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
d3-NMeFOSAA	*87.6*		*40 - 170*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
d5-NEtFOSAA	*87.5*		*25 - 135*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
M2-4:2 FTS	*95.7*		*40 - 200*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
M2-6:2 FTS	*98.6*		*40 - 200*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
M2-8:2 FTS	*86.6*		*40 - 300*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
13C3 HFPO-DA	*90.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
d7-N-MeFOSE-M	*28.1*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
d9-N-EtFOSE-M	*15.8*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
d5-NEtPFOSA	*54.9*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*
d3-NMePFOSA	*62.5*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:17*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Client Sample ID: 071-09185 Golden Eagle 20-13EB
Lab Sample ID: 280-198978-5
Date Collected: 10/29/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.1	0.19	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.10	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.41	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.16	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.45	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.30	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.15	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.20	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.13	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.23	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.54	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.26	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.55	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.33	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.14	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.20	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.22	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.36	ng/L		11/05/24 10:20	11/06/24 06:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.43	ng/L		11/05/24 10:20	11/06/24 06:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	1.5	ng/L		11/05/24 10:20	11/06/24 06:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	1.3	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.31	ng/L		11/05/24 10:20	11/06/24 06:36	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.50	ng/L		11/05/24 10:20	11/06/24 06:36	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.57	ng/L		11/05/24 10:20	11/06/24 06:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.62	ng/L		11/05/24 10:20	11/06/24 06:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.42	ng/L		11/05/24 10:20	11/06/24 06:36	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.8	1.3	ng/L		11/05/24 10:20	11/06/24 06:36	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.8	1.2	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoro(2-propoxypropanoic) acid (GenX)	ND		1.2	0.41	ng/L		11/05/24 10:20	11/06/24 06:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.19	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.16	ng/L		11/05/24 10:20	11/06/24 06:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.12	ng/L		11/05/24 10:20	11/06/24 06:36	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.23	ng/L		11/05/24 10:20	11/06/24 06:36	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Client Sample ID: 071-09185 Golden Eagle 20-13EB — **Lab Sample ID: 280-198978-5**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.22	ng/L		11/05/24 10:20	11/06/24 06:36	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.13	ng/L		11/05/24 10:20	11/06/24 06:36	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.48	ng/L		11/05/24 10:20	11/06/24 06:36	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.8	0.57	ng/L		11/05/24 10:20	11/06/24 06:36	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.8	1.1	ng/L		11/05/24 10:20	11/06/24 06:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.2*		*5 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C5 PFPeA	*89.2*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C5 PFHxA	*89.3*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C4 PFHpA	*88.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C8 PFOA	*86.2*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C9 PFNA	*85.8*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C6 PFDA	*87.1*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C7 PFUnA	*80.6*		*30 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C2 PFDoA	*78.0*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C2 PFTeDA	*61.6*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C3 PFBS	*89.5*		*40 - 135*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C3 PFHxS	*85.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C8 PFOS	*86.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C8 FOSA	*75.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
d3-NMeFOSAA	*88.5*		*40 - 170*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
d5-NEtFOSAA	*83.4*		*25 - 135*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
M2-4:2 FTS	*98.2*		*40 - 200*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
M2-6:2 FTS	*103*		*40 - 200*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
M2-8:2 FTS	*96.0*		*40 - 300*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
13C3 HFPO-DA	*88.3*		*40 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
d7-N-MeFOSE-M	*54.0*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
d9-N-EtFOSE-M	*48.1*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
d5-NEtPFOSA	*48.2*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*
d3-NMePFOSA	*50.3*		*10 - 130*	*11/05/24 10:20*	*11/06/24 06:36*	*1*

Method: SW846 6010D - Metals (ICP)

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**290**		100	1.5	ug/L		11/04/24 08:37	11/05/24 01:19	1
Lithium	**140**		20	9.1	ug/L		11/04/24 08:37	11/05/24 01:19	1
Silicon	**9300**		500	16	ug/L		11/04/24 08:37	11/05/24 01:19	1

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**300**		100	1.5	ug/L		11/04/24 08:37	11/05/24 01:23	1

Method: SW846 6010D - Metals (ICP) (Continued)

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	55		20	9.1	ug/L		11/04/24 08:37	11/05/24 01:23	1
Silicon	9800		500	16	ug/L		11/04/24 08:37	11/05/24 01:23	1

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	160		100	1.5	ug/L		11/04/24 08:37	11/05/24 01:27	1
Lithium	150		20	9.1	ug/L		11/04/24 08:37	11/05/24 01:27	1
Silicon	6700		500	16	ug/L		11/04/24 08:37	11/05/24 01:27	1

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	1400		100	1.5	ug/L		11/04/24 08:37	11/05/24 01:42	1
Lithium	770		20	9.1	ug/L		11/04/24 08:37	11/05/24 01:42	1
Silicon	9700		500	16	ug/L		11/04/24 08:37	11/05/24 01:42	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.050	J	1.0	0.045	ug/L		11/04/24 08:37	11/04/24 19:54	1
Aluminum	ND		200	8.3	ug/L		11/04/24 08:37	11/04/24 19:54	1
Arsenic	ND		5.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:54	1
Barium	550		3.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:54	1
Beryllium	ND		1.0	0.30	ug/L		11/04/24 08:37	11/04/24 19:54	1
Calcium	1000		200	32	ug/L		11/04/24 08:37	11/04/24 19:54	1
Cadmium	ND		1.0	0.19	ug/L		11/04/24 08:37	11/04/24 19:54	1
Cobalt	ND		1.0	0.33	ug/L		11/04/24 08:37	11/04/24 19:54	1
Chromium	ND		3.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:54	1
Copper	ND		2.0	0.71	ug/L		11/04/24 08:37	11/04/24 19:54	1
Iron	340		200	8.7	ug/L		11/04/24 08:37	11/04/24 19:54	1
Potassium	2900		1000	52	ug/L		11/04/24 08:37	11/04/24 19:54	1
Magnesium	1000		200	4.2	ug/L		11/04/24 08:37	11/04/24 19:54	1
Manganese	2.8	J	3.0	0.51	ug/L		11/04/24 08:37	11/04/24 19:54	1
Sodium	660000		50000	3700	ug/L		11/04/24 08:37	11/05/24 18:41	50
Nickel	3.5		3.0	0.83	ug/L		11/04/24 08:37	11/04/24 19:54	1
Lead	ND		1.0	0.23	ug/L		11/04/24 08:37	11/04/24 19:54	1
Antimony	ND		2.0	0.40	ug/L		11/04/24 08:37	11/04/24 19:54	1
Selenium	ND		5.0	1.0	ug/L		11/04/24 08:37	11/04/24 19:54	1
Thallium	ND		1.0	0.21	ug/L		11/04/24 08:37	11/04/24 19:54	1
Vanadium	ND		5.0	1.1	ug/L		11/04/24 08:37	11/04/24 19:54	1
Zinc	3.1	J	10	2.0	ug/L		11/04/24 08:37	11/04/24 19:54	1
Molybdenum	0.51	J	2.0	0.37	ug/L		11/04/24 08:37	11/04/24 19:54	1
Strontium	470		10	0.69	ug/L		11/04/24 08:37	11/04/24 19:54	1
Uranium	ND		1.0	0.030	ug/L		11/04/24 08:37	11/04/24 19:54	1

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

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	**0.60**	**J**	5.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:54	1

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		11/04/24 08:37	11/04/24 19:56	1
Aluminum	ND		200	8.3	ug/L		11/04/24 08:37	11/04/24 19:56	1
Arsenic	ND		5.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:56	1
Barium	**320**		3.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:56	1
Beryllium	ND		1.0	0.30	ug/L		11/04/24 08:37	11/04/24 19:56	1
Calcium	**2800**		200	32	ug/L		11/04/24 08:37	11/04/24 19:56	1
Cadmium	ND		1.0	0.19	ug/L		11/04/24 08:37	11/04/24 19:56	1
Cobalt	ND		1.0	0.33	ug/L		11/04/24 08:37	11/04/24 19:56	1
Chromium	ND		3.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:56	1
Copper	**2.6**		2.0	0.71	ug/L		11/04/24 08:37	11/04/24 19:56	1
Iron	**160**	**J**	200	8.7	ug/L		11/04/24 08:37	11/04/24 19:56	1
Potassium	**1700**		1000	52	ug/L		11/04/24 08:37	11/04/24 19:56	1
Magnesium	**350**		200	4.2	ug/L		11/04/24 08:37	11/04/24 19:56	1
Manganese	**4.6**		3.0	0.51	ug/L		11/04/24 08:37	11/04/24 19:56	1
Sodium	**530000**		50000	3700	ug/L		11/04/24 08:37	11/05/24 18:44	50
Nickel	ND		3.0	0.83	ug/L		11/04/24 08:37	11/04/24 19:56	1
Lead	**1.6**		1.0	0.23	ug/L		11/04/24 08:37	11/04/24 19:56	1
Antimony	ND		2.0	0.40	ug/L		11/04/24 08:37	11/04/24 19:56	1
Selenium	ND		5.0	1.0	ug/L		11/04/24 08:37	11/04/24 19:56	1
Thallium	ND		1.0	0.21	ug/L		11/04/24 08:37	11/04/24 19:56	1
Vanadium	ND		5.0	1.1	ug/L		11/04/24 08:37	11/04/24 19:56	1
Zinc	**5.4**	**J**	10	2.0	ug/L		11/04/24 08:37	11/04/24 19:56	1
Molybdenum	**1.9**	**J**	2.0	0.37	ug/L		11/04/24 08:37	11/04/24 19:56	1
Strontium	**590**		10	0.69	ug/L		11/04/24 08:37	11/04/24 19:56	1
Uranium	ND		1.0	0.030	ug/L		11/04/24 08:37	11/04/24 19:56	1
Thorium	ND		5.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:56	1

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		11/04/24 08:37	11/04/24 19:59	1
Aluminum	**9.5**	**J**	200	8.3	ug/L		11/04/24 08:37	11/04/24 19:59	1
Arsenic	ND		5.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:59	1
Barium	**670**		3.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:59	1
Beryllium	ND		1.0	0.30	ug/L		11/04/24 08:37	11/04/24 19:59	1
Calcium	**1400**		200	32	ug/L		11/04/24 08:37	11/04/24 19:59	1
Cadmium	ND		1.0	0.19	ug/L		11/04/24 08:37	11/04/24 19:59	1
Cobalt	ND		1.0	0.33	ug/L		11/04/24 08:37	11/04/24 19:59	1
Chromium	ND		3.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:59	1
Copper	ND		2.0	0.71	ug/L		11/04/24 08:37	11/04/24 19:59	1
Iron	**370**		200	8.7	ug/L		11/04/24 08:37	11/04/24 19:59	1
Potassium	**2200**		1000	52	ug/L		11/04/24 08:37	11/04/24 19:59	1
Magnesium	**460**		200	4.2	ug/L		11/04/24 08:37	11/04/24 19:59	1

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

Client Sample ID: 071-09212 Apache Canyon 35-10 **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**3.0**		3.0	0.51	ug/L		11/04/24 08:37	11/04/24 19:59	1
Sodium	**640000**		50000	3700	ug/L		11/04/24 08:37	11/05/24 18:46	50
Nickel	ND		3.0	0.83	ug/L		11/04/24 08:37	11/04/24 19:59	1
Lead	**0.31**	**J**	1.0	0.23	ug/L		11/04/24 08:37	11/04/24 19:59	1
Antimony	ND		2.0	0.40	ug/L		11/04/24 08:37	11/04/24 19:59	1
Selenium	ND		5.0	1.0	ug/L		11/04/24 08:37	11/04/24 19:59	1
Thallium	ND		1.0	0.21	ug/L		11/04/24 08:37	11/04/24 19:59	1
Vanadium	ND		5.0	1.1	ug/L		11/04/24 08:37	11/04/24 19:59	1
Zinc	ND		10	2.0	ug/L		11/04/24 08:37	11/04/24 19:59	1
Molybdenum	**1.2**	**J**	2.0	0.37	ug/L		11/04/24 08:37	11/04/24 19:59	1
Strontium	**470**		10	0.69	ug/L		11/04/24 08:37	11/04/24 19:59	1
Uranium	ND		1.0	0.030	ug/L		11/04/24 08:37	11/04/24 19:59	1
Thorium	ND		5.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:59	1

Client Sample ID: 071-09629 Apache Canyon 03-11 **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		11/04/24 08:37	11/04/24 20:01	1
Aluminum	ND		200	8.3	ug/L		11/04/24 08:37	11/04/24 20:01	1
Arsenic	ND		5.0	0.50	ug/L		11/04/24 08:37	11/04/24 20:01	1
Barium	**1100**		3.0	0.38	ug/L		11/04/24 08:37	11/04/24 20:01	1
Beryllium	ND		1.0	0.30	ug/L		11/04/24 08:37	11/04/24 20:01	1
Calcium	**6300**		200	32	ug/L		11/04/24 08:37	11/04/24 20:01	1
Cadmium	ND		1.0	0.19	ug/L		11/04/24 08:37	11/04/24 20:01	1
Cobalt	ND		1.0	0.33	ug/L		11/04/24 08:37	11/04/24 20:01	1
Chromium	**1.7**	**J**	3.0	0.50	ug/L		11/04/24 08:37	11/04/24 20:01	1
Copper	**4.5**		2.0	0.71	ug/L		11/04/24 08:37	11/04/24 20:01	1
Iron	**320**		200	8.7	ug/L		11/04/24 08:37	11/04/24 20:01	1
Potassium	**5200**		1000	52	ug/L		11/04/24 08:37	11/04/24 20:01	1
Magnesium	**1600**		200	4.2	ug/L		11/04/24 08:37	11/04/24 20:01	1
Manganese	**7.1**		3.0	0.51	ug/L		11/04/24 08:37	11/04/24 20:01	1
Sodium	**1000000**		50000	3700	ug/L		11/04/24 08:37	11/05/24 18:48	50
Nickel	ND		3.0	0.83	ug/L		11/04/24 08:37	11/04/24 20:01	1
Lead	**3.4**		1.0	0.23	ug/L		11/04/24 08:37	11/04/24 20:01	1
Antimony	ND		2.0	0.40	ug/L		11/04/24 08:37	11/04/24 20:01	1
Selenium	ND		5.0	1.0	ug/L		11/04/24 08:37	11/04/24 20:01	1
Thallium	ND		1.0	0.21	ug/L		11/04/24 08:37	11/04/24 20:01	1
Vanadium	ND		5.0	1.1	ug/L		11/04/24 08:37	11/04/24 20:01	1
Zinc	**6.6**	**J**	10	2.0	ug/L		11/04/24 08:37	11/04/24 20:01	1
Molybdenum	ND		2.0	0.37	ug/L		11/04/24 08:37	11/04/24 20:01	1
Strontium	**1400**		10	0.69	ug/L		11/04/24 08:37	11/04/24 20:01	1
Uranium	ND		1.0	0.030	ug/L		11/04/24 08:37	11/04/24 20:01	1
Thorium	ND		5.0	0.38	ug/L		11/04/24 08:37	11/04/24 20:01	1

Method: SW846 7470A - Mercury (CVAA)

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		11/11/24 11:00	11/11/24 17:47	1

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		11/11/24 11:00	11/11/24 17:49	1

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		11/11/24 11:00	11/11/24 17:52	1

Client Sample ID: 071-09629 Apache Canyon 03-11 — **Lab Sample ID: 280-198978-4**
Date Collected: 10/29/24 12:50 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		11/11/24 11:00	11/11/24 17:59	1

General Chemistry

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	0.84		0.10	0.029	mg/L			11/02/24 13:50	1
Nitrogen, Kjeldahl (EPA 351.2)	0.80	J	1.0	0.69	mg/L		11/02/24 10:36	11/05/24 14:56	1
Nitrate Nitrite as N (EPA 353.2)	0.060	J	0.10	0.044	mg/L			11/04/24 10:53	1
Phosphorus, Total (EPA 365.1)	ND		0.050	0.025	mg/L		11/04/24 11:57	11/05/24 12:04	1
Bromide (SW846 9056A)	1.3		0.50	0.23	mg/L			11/06/24 20:04	1
Chloride (SW846 9056A)	87		3.0	1.0	mg/L			11/06/24 20:04	1
Fluoride (SW846 9056A)	4.4		0.50	0.17	mg/L			11/06/24 20:04	1
Sulfate (SW846 9056A)	ND		5.0	1.0	mg/L			11/06/24 20:04	1
Total Anions (SM 1030E)	25				meq/L			11/05/24 10:17	1
Total Cations (SM 1030E)	29				meq/L			11/05/24 10:17	1
Percent Difference (SM 1030E)	8.1				%			11/05/24 10:17	1
Calcium (SM 1030E)	1000				ug/L			11/05/24 10:17	1
Magnesium (SM 1030E)	1000				ug/L			11/05/24 10:17	1
Potassium (SM 1030E)	2900				ug/L			11/05/24 10:17	1
Sodium (SM 1030E)	660000				ug/L			11/05/24 10:17	1
Ammonia as N (SM 1030E)	0.84				mg/L			11/05/24 10:17	1
Aluminum (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Chloride (SM 1030E)	87				mg/L			11/05/24 10:17	1
Sulfate (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	81				mg/L			11/05/24 10:17	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	1100				mg/L			11/05/24 10:17	1
Alkalinity (SM 1030E)	1100				mg/L			11/05/24 10:17	1
Nitrate Nitrite as N (SM 1030E)	0.060				mg/L			11/05/24 10:17	1

General Chemistry (Continued)

Client Sample ID: 071-07213 Hill Ranch 22-01V — **Lab Sample ID: 280-198978-1**
Date Collected: 10/28/24 13:20 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anion/Cation Balance (SM 1030E)	8.1				%			11/05/24 10:17	1
Fluoride (SM 1030E)	4.4				mg/L			11/05/24 10:17	1
Calculated TDS (SM 1030E)	1400				mg/L			11/05/24 10:17	1
TDS Ratio (SM 1030E)	0.99				NONE			11/05/24 10:17	1
Total Dissolved Solids (TDS) (SM 1030E)	1400				mg/L			11/05/24 10:17	1
Iron (SM 1030E)	340				ug/L			11/05/24 10:17	1
Orthophosphate (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Alkalinity (SM 2320B)	1100		10	3.1	mg/L			11/06/24 22:54	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1100		10	3.1	mg/L			11/06/24 22:54	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	81		10	3.1	mg/L			11/06/24 22:54	1
Hydroxide Alkalinity (SM 2320B)	ND		10	3.1	mg/L			11/06/24 22:54	1
Specific Conductance (SM 2510B)	2400		2.0	2.0	umhos/cm			11/06/24 16:00	1
Electrical Conductivity (SM 2510B)	2400		2.0	2.0	umhos/cm			11/06/24 16:00	1
Total Dissolved Solids (TDS) (SM 2540C)	1400		20	9.4	mg/L			11/04/24 09:29	1
Total Suspended Solids (SM 2540D)	1.6	J	4.0	1.1	mg/L			11/04/24 12:39	1
pH adj. to 25 deg C (SM 4500 H+ B)	8.5	HF	0.1	0.1	SU			11/04/24 15:45	1
Temperature (SM 4500 H+ B)	20.9	HF	1.0	1.0	Degrees C			11/04/24 15:45	1
Sulfide (SM 4500 S2 D)	ND	F1 F2	0.050	0.022	mg/L			11/04/24 18:35	1
TOC Result 1 (SM 5310B)	0.89	J	1.0	0.35	mg/L			11/07/24 06:06	1
TOC Result 2 (SM 5310B)	0.86	J	1.0	0.35	mg/L			11/07/24 06:06	1
TOC Result 3 (SM 5310B)	0.78	J	1.0	0.35	mg/L			11/07/24 06:06	1
TOC Result 4 (SM 5310B)	0.83	J	1.0	0.35	mg/L			11/07/24 06:06	1
Total Organic Carbon - Quad (SM 5310B)	0.84	J	1.0	0.35	mg/L			11/07/24 06:06	1
Nitrogen, Total (EPA Total Nitrogen)	0.86		0.10	0.10	mg/L			11/05/24 18:48	1

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	0.80		0.10	0.029	mg/L			11/02/24 13:52	1
Nitrogen, Kjeldahl (EPA 351.2)	0.95	J	1.0	0.69	mg/L		11/02/24 10:36	11/05/24 14:55	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.044	mg/L			11/04/24 10:58	1
Phosphorus, Total (EPA 365.1)	ND		0.050	0.025	mg/L		11/04/24 11:57	11/05/24 12:05	1
Bromide (SW846 9056A)	0.76		0.50	0.23	mg/L			11/06/24 20:26	1
Chloride (SW846 9056A)	140		3.0	1.0	mg/L			11/06/24 20:26	1
Fluoride (SW846 9056A)	5.6		0.50	0.17	mg/L			11/06/24 20:26	1
Sulfate (SW846 9056A)	ND		5.0	1.0	mg/L			11/06/24 20:26	1
Total Anions (SM 1030E)	21				meq/L			11/05/24 10:17	1
Total Cations (SM 1030E)	23				meq/L			11/05/24 10:17	1
Percent Difference (SM 1030E)	6.1				%			11/05/24 10:17	1
Calcium (SM 1030E)	2800				ug/L			11/05/24 10:17	1
Magnesium (SM 1030E)	350				ug/L			11/05/24 10:17	1
Potassium (SM 1030E)	1700				ug/L			11/05/24 10:17	1
Sodium (SM 1030E)	530000				ug/L			11/05/24 10:17	1

General Chemistry (Continued)

Client Sample ID: 071-09185 Golden Eagle 20-13 — **Lab Sample ID: 280-198978-2**
Date Collected: 10/29/24 10:00 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (SM 1030E)	0.80				mg/L			11/05/24 10:17	1
Aluminum (SM 1030E)	0.00				ug/L			11/05/24 10:17	1
Chloride (SM 1030E)	140				mg/L			11/05/24 10:17	1
Sulfate (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	37				mg/L			11/05/24 10:17	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	780				mg/L			11/05/24 10:17	1
Alkalinity (SM 1030E)	820				mg/L			11/05/24 10:17	1
Nitrate Nitrite as N (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Anion/Cation Balance (SM 1030E)	6.1				%			11/05/24 10:17	1
Fluoride (SM 1030E)	5.6				mg/L			11/05/24 10:17	1
Calculated TDS (SM 1030E)	1200				mg/L			11/05/24 10:17	1
TDS Ratio (SM 1030E)	1.0				NONE			11/05/24 10:17	1
Total Dissolved Solids (TDS) (SM 1030E)	1200				mg/L			11/05/24 10:17	1
Iron (SM 1030E)	160				ug/L			11/05/24 10:17	1
Orthophosphate (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Alkalinity (SM 2320B)	820		10	3.1	mg/L			11/06/24 23:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	780		10	3.1	mg/L			11/06/24 23:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	37		10	3.1	mg/L			11/06/24 23:04	1
Hydroxide Alkalinity (SM 2320B)	ND		10	3.1	mg/L			11/06/24 23:04	1
Specific Conductance (SM 2510B)	2000		2.0	2.0	umhos/cm			11/06/24 16:00	1
Electrical Conductivity (SM 2510B)	2000		2.0	2.0	umhos/cm			11/06/24 16:00	1
Total Dissolved Solids (TDS) (SM 2540C)	1200		20	9.4	mg/L			11/04/24 09:29	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.1	mg/L			11/04/24 12:39	1
pH adj. to 25 deg C (SM 4500 H+ B	8.4	HF	0.1	0.1	SU			11/04/24 15:49	1
Temperature (SM 4500 H+ B)	20.8	HF	1.0	1.0	Degrees C			11/04/24 15:49	1
Sulfide (SM 4500 S2 D)	ND		0.050	0.022	mg/L			11/04/24 18:36	1
TOC Result 1 (SM 5310B)	1.5		1.0	0.35	mg/L			11/07/24 06:22	1
TOC Result 2 (SM 5310B)	1.4		1.0	0.35	mg/L			11/07/24 06:22	1
TOC Result 3 (SM 5310B)	1.3		1.0	0.35	mg/L			11/07/24 06:22	1
TOC Result 4 (SM 5310B)	1.3		1.0	0.35	mg/L			11/07/24 06:22	1
Total Organic Carbon - Quad (SM 5310B)	1.4		1.0	0.35	mg/L			11/07/24 06:22	1
Nitrogen, Total (EPA Total Nitrogen)	0.95		0.10	0.10	mg/L			11/05/24 18:48	1

Client Sample ID: 071-09212 Apache Canyon 35-10 — **Lab Sample ID: 280-198978-3**
Date Collected: 10/29/24 11:40 — **Matrix: Water**
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	0.72		0.50	0.15	mg/L			11/02/24 13:55	5
Nitrogen, Kjeldahl (EPA 351.2)	0.75	J	1.0	0.69	mg/L		11/02/24 10:36	11/05/24 14:58	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.044	mg/L			11/04/24 11:00	1
Phosphorus, Total (EPA 365.1)	ND		0.050	0.025	mg/L		11/04/24 11:57	11/05/24 12:05	1
Bromide (SW846 9056A)	0.35	J	0.50	0.23	mg/L			11/06/24 20:48	1
Chloride (SW846 9056A)	62		3.0	1.0	mg/L			11/06/24 20:48	1
Fluoride (SW846 9056A)	4.1		0.50	0.17	mg/L			11/06/24 20:48	1

General Chemistry (Continued)

Client Sample ID: 071-09212 Apache Canyon 35-10
Date Collected: 10/29/24 11:40
Date Received: 11/01/24 13:19

Lab Sample ID: 280-198978-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	ND		5.0	1.0	mg/L			11/06/24 20:48	1
Total Anions (SM 1030E)	**24**				meq/L			11/05/24 10:17	1
Total Cations (SM 1030E)	**28**				meq/L			11/05/24 10:17	1
Percent Difference (SM 1030E)	**7.9**				%			11/05/24 10:17	1
Calcium (SM 1030E)	**1400**				ug/L			11/05/24 10:17	1
Magnesium (SM 1030E)	**460**				ug/L			11/05/24 10:17	1
Potassium (SM 1030E)	**2200**				ug/L			11/05/24 10:17	1
Sodium (SM 1030E)	**640000**				ug/L			11/05/24 10:17	1
Ammonia as N (SM 1030E)	**0.72**				mg/L			11/05/24 10:17	1
Aluminum (SM 1030E)	**9.5**				ug/L			11/05/24 10:17	1
Chloride (SM 1030E)	**62**				mg/L			11/05/24 10:17	1
Sulfate (SM 1030E)	**0.00**				mg/L			11/05/24 10:17	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	**140**				mg/L			11/05/24 10:17	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	**1000**				mg/L			11/05/24 10:17	1
Alkalinity (SM 1030E)	**1100**				mg/L			11/05/24 10:17	1
Nitrate Nitrite as N (SM 1030E)	**0.00**				mg/L			11/05/24 10:17	1
Anion/Cation Balance (SM 1030E)	**7.9**				%			11/05/24 10:17	1
Fluoride (SM 1030E)	**4.1**				mg/L			11/05/24 10:17	1
Calculated TDS (SM 1030E)	**1400**				mg/L			11/05/24 10:17	1
TDS Ratio (SM 1030E)	**1.0**				NONE			11/05/24 10:17	1
Total Dissolved Solids (TDS) (SM 1030E)	**1400**				mg/L			11/05/24 10:17	1
Iron (SM 1030E)	**370**				ug/L			11/05/24 10:17	1
Orthophosphate (SM 1030E)	**0.00**				mg/L			11/05/24 10:17	1
Alkalinity (SM 2320B)	**1100**		10	3.1	mg/L			11/06/24 23:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1000**		10	3.1	mg/L			11/06/24 23:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**140**		10	3.1	mg/L			11/06/24 23:16	1
Hydroxide Alkalinity (SM 2320B)	ND		10	3.1	mg/L			11/06/24 23:16	1
Specific Conductance (SM 2510B)	**2300**		2.0	2.0	umhos/cm			11/06/24 16:00	1
Electrical Conductivity (SM 2510B)	**2300**		2.0	2.0	umhos/cm			11/06/24 16:00	1
Total Dissolved Solids (TDS) (SM 2540C)	**1400**		20	9.4	mg/L			11/04/24 09:29	1
Total Suspended Solids (SM 2540D)	ND		4.0	1.1	mg/L			11/04/24 12:39	1
pH adj. to 25 deg C (SM 4500 H+ B)	**8.8**	**HF**	0.1	0.1	SU			11/04/24 15:52	1
Temperature (SM 4500 H+ B)	**20.9**	**HF**	1.0	1.0	Degrees C			11/04/24 15:52	1
Sulfide (SM 4500 S2 D)	ND	F1 F2	0.050	0.022	mg/L			11/04/24 18:57	1
TOC Result 1 (SM 5310B)	**0.78**	**J**	1.0	0.35	mg/L			11/07/24 06:38	1
TOC Result 2 (SM 5310B)	**0.65**	**J**	1.0	0.35	mg/L			11/07/24 06:38	1
TOC Result 3 (SM 5310B)	**0.65**	**J**	1.0	0.35	mg/L			11/07/24 06:38	1
TOC Result 4 (SM 5310B)	**0.67**	**J**	1.0	0.35	mg/L			11/07/24 06:38	1
Total Organic Carbon - Quad (SM 5310B)	**0.69**	**J**	1.0	0.35	mg/L			11/07/24 06:38	1
Nitrogen, Total (EPA Total Nitrogen)	**0.75**		0.10	0.10	mg/L			11/05/24 18:48	1

General Chemistry

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	1.1		0.10	0.029	mg/L			11/02/24 13:57	1
Nitrogen, Kjeldahl (EPA 351.2)	1.4		1.0	0.69	mg/L		11/02/24 10:36	11/05/24 14:56	1
Nitrate Nitrite as N (EPA 353.2)	0.058	J	0.10	0.044	mg/L			11/04/24 11:01	1
Phosphorus, Total (EPA 365.1)	ND		0.050	0.025	mg/L		11/04/24 11:57	11/05/24 12:05	1
Bromide (SW846 9056A)	5.9		0.50	0.23	mg/L			11/06/24 21:10	1
Chloride (SW846 9056A)	570		30	10	mg/L			11/06/24 21:21	10
Fluoride (SW846 9056A)	2.7		0.50	0.17	mg/L			11/06/24 21:10	1
Sulfate (SW846 9056A)	ND		5.0	1.0	mg/L			11/06/24 21:10	1
Total Anions (SM 1030E)	40				meq/L			11/05/24 10:17	1
Total Cations (SM 1030E)	44				meq/L			11/05/24 10:17	1
Percent Difference (SM 1030E)	4.7				%			11/05/24 10:17	1
Calcium (SM 1030E)	6300				ug/L			11/05/24 10:17	1
Magnesium (SM 1030E)	1600				ug/L			11/05/24 10:17	1
Potassium (SM 1030E)	5200				ug/L			11/05/24 10:17	1
Sodium (SM 1030E)	1000000				ug/L			11/05/24 10:17	1
Ammonia as N (SM 1030E)	1.1				mg/L			11/05/24 10:17	1
Aluminum (SM 1030E)	0.00				ug/L			11/05/24 10:17	1
Chloride (SM 1030E)	570				mg/L			11/05/24 10:17	1
Sulfate (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	66				mg/L			11/05/24 10:17	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	1100				mg/L			11/05/24 10:17	1
Alkalinity (SM 1030E)	1200				mg/L			11/05/24 10:17	1
Nitrate Nitrite as N (SM 1030E)	0.058				mg/L			11/05/24 10:17	1
Anion/Cation Balance (SM 1030E)	4.7				%			11/05/24 10:17	1
Fluoride (SM 1030E)	2.7				mg/L			11/05/24 10:17	1
Calculated TDS (SM 1030E)	2300				mg/L			11/05/24 10:17	1
TDS Ratio (SM 1030E)	0.95				NONE			11/05/24 10:17	1
Total Dissolved Solids (TDS) (SM 1030E)	2200				mg/L			11/05/24 10:17	1
Iron (SM 1030E)	320				ug/L			11/05/24 10:17	1
Orthophosphate (SM 1030E)	0.00				mg/L			11/05/24 10:17	1
Alkalinity (SM 2320B)	1200		10	3.1	mg/L			11/06/24 23:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1100		10	3.1	mg/L			11/06/24 23:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	66		10	3.1	mg/L			11/06/24 23:29	1
Hydroxide Alkalinity (SM 2320B)	ND		10	3.1	mg/L			11/06/24 23:29	1
Specific Conductance (SM 2510B)	3900		2.0	2.0	umhos/cm			11/06/24 16:00	1
Electrical Conductivity (SM 2510B)	3900		2.0	2.0	umhos/cm			11/06/24 16:00	1
Total Dissolved Solids (TDS) (SM 2540C)	2200		40	19	mg/L			11/04/24 09:29	1
Total Suspended Solids (SM 2540D)	6.0		4.0	1.1	mg/L			11/04/24 12:39	1
pH adj. to 25 deg C (SM 4500 H+ B)	8.4	HF	0.1	0.1	SU			11/04/24 15:56	1
Temperature (SM 4500 H+ B)	21.1	HF	1.0	1.0	Degrees C			11/04/24 15:56	1
Sulfide (SM 4500 S2 D)	0.036	J	0.050	0.022	mg/L			11/04/24 18:37	1
TOC Result 1 (SM 5310B)	1.0		1.0	0.35	mg/L			11/07/24 06:54	1
TOC Result 2 (SM 5310B)	0.90	J	1.0	0.35	mg/L			11/07/24 06:54	1
TOC Result 3 (SM 5310B)	0.88	J	1.0	0.35	mg/L			11/07/24 06:54	1

General Chemistry (Continued)

Client Sample ID: 071-09629 Apache Canyon 03-11
Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 4 (SM 5310B)	0.86	J	1.0	0.35	mg/L			11/07/24 06:54	1
Total Organic Carbon - Quad (SM 5310B)	0.92	J	1.0	0.35	mg/L			11/07/24 06:54	1
Nitrogen, Total (EPA Total Nitrogen)	1.5		0.10	0.10	mg/L			11/05/24 18:48	1

Surrogate Summary

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(70-127)	(77-120)	(80-125)	(78-120)
280-198978-1	071-07213 Hill Ranch 22-01V	104	103	102	91
280-198978-2	071-09185 Golden Eagle 20-13	106	101	102	100
280-198978-3	071-09212 Apache Canyon 35-10	105	101	103	100
280-198978-4	071-09629 Apache Canyon 03-11	106	102	102	99
280-198978-6	071-Trip Blank	92	94	109	92
LCS 280-674401/4	Lab Control Sample	108	102	102	100
LCS 280-674436/4	Lab Control Sample	107	102	101	94
LCS 280-674451/4	Lab Control Sample	95	103	103	95
LCSD 280-674401/5	Lab Control Sample Dup	105	103	100	98
LCSD 280-674436/5	Lab Control Sample Dup	107	103	102	94
LCSD 280-674451/5	Lab Control Sample Dup	98	103	100	95
MB 280-674401/9	Method Blank	103	100	98	100
MB 280-674436/9	Method Blank	107	103	103	93
MB 280-674451/9	Method Blank	93	96	106	91

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(13-120)	(10-120)	(34-120)	(28-120)	(22-140)	(55-142)
280-198978-1	071-07213 Hill Ranch 22-01V	51	33	72	57	85	82
280-198978-2	071-09185 Golden Eagle 20-13	60	40	85	71	103	98
280-198978-3	071-09212 Apache Canyon 35-10	52	35	77	64	91	90
280-198978-4	071-09629 Apache Canyon 03-11	47	31	69	57	82	82
LCS 280-673586/2-A	Lab Control Sample	41	30	60	62	100	87
LCSD 280-673586/3-A	Lab Control Sample Dup	52	39	82	74	109	95
MB 280-673586/1-A	Method Blank	58	40	83	74	87	93

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Colorado Oil&Gas Conservation Commision
Job ID: 280-198978-1
Project/Site: SB23-186 Lab Services 2024-2025

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

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	TFT1 (82-110)						
280-198978-1	071-07213 Hill Ranch 22-01V	98						
280-198978-2	071-09185 Golden Eagle 20-13	102						
280-198978-3	071-09212 Apache Canyon 35-10	105						
280-198978-4	071-09629 Apache Canyon 03-11	102						
LCS 280-673948/11	Lab Control Sample	107						
LCSD 280-673948/12	Lab Control Sample Dup	108						
MB 280-673948/13	Method Blank	98						

Surrogate Legend

TFT = a,a,a-Trifluorotoluene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTPH (62-153)	OTCN (45-156)					
280-198978-1	071-07213 Hill Ranch 22-01V	72	75					
280-198978-2	071-09185 Golden Eagle 20-13	50 S1-	78					
280-198978-3	071-09212 Apache Canyon 35-10	56 S1-	61					
280-198978-4	071-09629 Apache Canyon 03-11	69	74					
LCS 280-673613/2-A	Lab Control Sample	77	76					
LCS 280-673613/4-A	Lab Control Sample	71	80					
LCSD 280-673613/3-A	Lab Control Sample Dup	79	76					
LCSD 280-673613/5-A	Lab Control Sample Dup	71	83					
MB 280-673613/1-A	Method Blank	70	69					

Surrogate Legend

OTPH = o-Terphenyl
OTCN = n-Octacosane (Surr)

GC/MS VOA

Analysis Batch: 674401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	8260D	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	8260D	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	8260D	
MB 280-674401/9	Method Blank	Total/NA	Water	8260D	
LCS 280-674401/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-674401/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 674436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	8260D	
MB 280-674436/9	Method Blank	Total/NA	Water	8260D	
LCS 280-674436/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-674436/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 674451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-6	071-Trip Blank	Total/NA	Water	8260D	
MB 280-674451/9	Method Blank	Total/NA	Water	8260D	
LCS 280-674451/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-674451/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 673586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	3510C	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	3510C	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	3510C	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	3510C	
MB 280-673586/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-673586/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-673586/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 673729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	8270E	673586
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	8270E	673586
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	8270E	673586
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	8270E	673586
MB 280-673586/1-A	Method Blank	Total/NA	Water	8270E	673586
LCS 280-673586/2-A	Lab Control Sample	Total/NA	Water	8270E	673586
LCSD 280-673586/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	673586

GC VOA

Analysis Batch: 673948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	8015D	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	8015D	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	8015D	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	8015D	
MB 280-673948/13	Method Blank	Total/NA	Water	8015D	

GC VOA (Continued)

Analysis Batch: 673948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-673948/11	Lab Control Sample	Total/NA	Water	8015D	
LCSD 280-673948/12	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 673613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	3510C	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	3510C	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	3510C	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	3510C	
MB 280-673613/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-673613/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 280-673613/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-673613/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 280-673613/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 674112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	8015D	673613
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	8015D	673613
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	8015D	673613
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	8015D	673613
MB 280-673613/1-A	Method Blank	Total/NA	Water	8015D	673613
LCS 280-673613/2-A	Lab Control Sample	Total/NA	Water	8015D	673613
LCS 280-673613/4-A	Lab Control Sample	Total/NA	Water	8015D	673613
LCSD 280-673613/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	673613
LCSD 280-673613/5-A	Lab Control Sample Dup	Total/NA	Water	8015D	673613

LCMS

Prep Batch: 673719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	1633	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	1633	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	1633	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	1633	
280-198978-5	071-09185 Golden Eagle 20-13EB	Total/NA	Water	1633	
MB 280-673719/1-A	Method Blank	Total/NA	Water	1633	
LCS 280-673719/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 280-673719/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 673851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	1633	673719
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	1633	673719
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	1633	673719
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	1633	673719
280-198978-5	071-09185 Golden Eagle 20-13EB	Total/NA	Water	1633	673719
MB 280-673719/1-A	Method Blank	Total/NA	Water	1633	673719
LCS 280-673719/3-A	Lab Control Sample	Total/NA	Water	1633	673719
LLCS 280-673719/2-A	Lab Control Sample	Total/NA	Water	1633	673719

QC Association Summary

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Metals

Prep Batch: 673456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	3010A	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	3010A	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	3010A	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	3010A	
MB 280-673456/1-A	Method Blank	Total/NA	Water	3010A	
LCS 280-673456/25-A	Lab Control Sample	Total/NA	Water	3010A	
LCS 280-673456/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 673700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	6020B	673456
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	6020B	673456
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	6020B	673456
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	6020B	673456
MB 280-673456/1-A	Method Blank	Total/NA	Water	6020B	673456
LCS 280-673456/25-A	Lab Control Sample	Total/NA	Water	6020B	673456

Analysis Batch: 673795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	6010D	673456
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	6010D	673456
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	6010D	673456
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	6010D	673456
MB 280-673456/1-A	Method Blank	Total/NA	Water	6010D	673456
LCS 280-673456/2-A	Lab Control Sample	Total/NA	Water	6010D	673456

Analysis Batch: 673888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	6020B	673456
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	6020B	673456
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	6020B	673456
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	6020B	673456

Prep Batch: 674334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	7470A	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	7470A	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	7470A	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	7470A	
MB 280-674334/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-674334/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 674622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	7470A	674334
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	7470A	674334
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	7470A	674334
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	7470A	674334
MB 280-674334/1-A	Method Blank	Total/NA	Water	7470A	674334
LCS 280-674334/2-A	Lab Control Sample	Total/NA	Water	7470A	674334

General Chemistry

Prep Batch: 673469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	351.2	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	351.2	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	351.2	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	351.2	
MB 280-673469/3-A	Method Blank	Total/NA	Water	351.2	
LCS 280-673469/1-A	Lab Control Sample	Total/NA	Water	351.2	
LCSD 280-673469/2-A	Lab Control Sample Dup	Total/NA	Water	351.2	

Analysis Batch: 673494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	350.1	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	350.1	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	350.1	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	350.1	
MB 280-673494/58	Method Blank	Total/NA	Water	350.1	
LCS 280-673494/59	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 673551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 2540C	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 2540C	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 2540C	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 2540C	
MB 280-673551/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-673551/2	Lab Control Sample	Total/NA	Water	SM 2540C	
280-198978-4 DU	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 2540C	

Prep Batch: 673603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	365.2/365.3/365	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	365.2/365.3/365	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	365.2/365.3/365	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	365.2/365.3/365	
MB 280-673603/5-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 280-673603/3-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 280-673603/4-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	
280-198978-1 MS	071-07213 Hill Ranch 22-01V	Total/NA	Water	365.2/365.3/365	
280-198978-1 MSD	071-07213 Hill Ranch 22-01V	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 673616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 2540D	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 2540D	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 2540D	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 2540D	
MB 280-673616/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 280-673616/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 673619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 673619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	353.2	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	353.2	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	353.2	
MB 280-673619/20	Method Blank	Total/NA	Water	353.2	
LCS 280-673619/18	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-673619/19	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 673668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 4500 H+ B	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 4500 H+ B	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 4500 H+ B	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 4500 H+ B	
LCS 280-673668/28	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 673672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 4500 S2 D	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 4500 S2 D	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 4500 S2 D	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 4500 S2 D	
MB 280-673672/11	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 280-673672/9	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 280-673672/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
280-198978-1 MS	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 4500 S2 D	
280-198978-1 MSD	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 4500 S2 D	
280-198978-3 MS	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 4500 S2 D	
280-198978-3 MSD	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 673749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 1030E	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 1030E	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 1030E	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 1030E	

Analysis Batch: 673838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	365.1	673603
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	365.1	673603
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	365.1	673603
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	365.1	673603
MB 280-673603/5-A	Method Blank	Total/NA	Water	365.1	673603
LCS 280-673603/3-A	Lab Control Sample	Total/NA	Water	365.1	673603
LCSD 280-673603/4-A	Lab Control Sample Dup	Total/NA	Water	365.1	673603
280-198978-1 MS	071-07213 Hill Ranch 22-01V	Total/NA	Water	365.1	673603
280-198978-1 MSD	071-07213 Hill Ranch 22-01V	Total/NA	Water	365.1	673603

Analysis Batch: 673858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	351.2	673469

General Chemistry (Continued)

Analysis Batch: 673858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	351.2	673469
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	351.2	673469
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	351.2	673469
MB 280-673469/3-A	Method Blank	Total/NA	Water	351.2	673469
LCS 280-673469/1-A	Lab Control Sample	Total/NA	Water	351.2	673469
LCSD 280-673469/2-A	Lab Control Sample Dup	Total/NA	Water	351.2	673469

Analysis Batch: 673873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	Total Nitrogen	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	Total Nitrogen	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	Total Nitrogen	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	Total Nitrogen	

Analysis Batch: 673901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	9056A	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	9056A	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	9056A	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	9056A	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	9056A	
MB 280-673901/6	Method Blank	Total/NA	Water	9056A	
LCS 280-673901/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 280-673901/5	Lab Control Sample Dup	Total/NA	Water	9056A	
MRL 280-673901/3	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 674006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 2510B	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 2510B	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 2510B	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 2510B	
MB 280-674006/4	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-674006/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 674110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 2320B	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 2320B	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 2320B	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 2320B	
MB 280-674110/6	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-674110/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 280-674110/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 674189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-198978-1	071-07213 Hill Ranch 22-01V	Total/NA	Water	SM 5310B	
280-198978-2	071-09185 Golden Eagle 20-13	Total/NA	Water	SM 5310B	
280-198978-3	071-09212 Apache Canyon 35-10	Total/NA	Water	SM 5310B	
280-198978-4	071-09629 Apache Canyon 03-11	Total/NA	Water	SM 5310B	

General Chemistry (Continued)

Analysis Batch: 674189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-674189/35	Method Blank	Total/NA	Water	SM 5310B	
LCS 280-674189/34	Lab Control Sample	Total/NA	Water	SM 5310B	

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

Lab Sample ID: MB 280-674401/9
Matrix: Water
Analysis Batch: 674401

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/08/24 21:12	1
Styrene	ND		1.0	0.13	ug/L			11/08/24 21:12	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/08/24 21:12	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/08/24 21:12	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/08/24 21:12	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/08/24 21:12	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/08/24 21:12	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/08/24 21:12	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/08/24 21:12	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/08/24 21:12	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/08/24 21:12	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/08/24 21:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/08/24 21:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/08/24 21:12	1
Bromobenzene	ND		1.0	0.19	ug/L			11/08/24 21:12	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/08/24 21:12	1
Toluene	ND		1.0	0.32	ug/L			11/08/24 21:12	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/08/24 21:12	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/08/24 21:12	1
n-Hexane	ND		2.0	0.16	ug/L			11/08/24 21:12	1
Cyclohexane	ND		1.0	0.44	ug/L			11/08/24 21:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/08/24 21:12	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/08/24 21:12	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/08/24 21:12	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/08/24 21:12	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/08/24 21:12	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/08/24 21:12	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/08/24 21:12	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/08/24 21:12	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/08/24 21:12	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/08/24 21:12	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/08/24 21:12	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/08/24 21:12	1
2-Hexanone	ND		5.0	0.81	ug/L			11/08/24 21:12	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/08/24 21:12	1
Ethyl ether	ND		2.0	0.35	ug/L			11/08/24 21:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/08/24 21:12	1
Acetone	ND		15	6.6	ug/L			11/08/24 21:12	1
Chloroform	ND		1.0	0.36	ug/L			11/08/24 21:12	1
Benzene	ND		1.0	0.14	ug/L			11/08/24 21:12	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/08/24 21:12	1
Bromomethane	ND		5.0	2.4	ug/L			11/08/24 21:12	1
Chloromethane	ND		2.0	0.23	ug/L			11/08/24 21:12	1
Iodomethane	ND		5.0	2.6	ug/L			11/08/24 21:12	1
Dibromomethane	ND		1.0	0.34	ug/L			11/08/24 21:12	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/08/24 21:12	1
Chloroethane	ND		2.0	0.64	ug/L			11/08/24 21:12	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/08/24 21:12	1

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

Lab Sample ID: MB 280-674401/9
Matrix: Water
Analysis Batch: 674401

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		2.0	0.94	ug/L			11/08/24 21:12	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/08/24 21:12	1
Bromoform	ND		2.0	0.25	ug/L			11/08/24 21:12	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/08/24 21:12	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/08/24 21:12	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/08/24 21:12	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/08/24 21:12	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/08/24 21:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/08/24 21:12	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/08/24 21:12	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/08/24 21:12	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/08/24 21:12	1
Trichloroethene	ND		1.0	0.30	ug/L			11/08/24 21:12	1
Methyl acetate	ND		5.0	1.6	ug/L			11/08/24 21:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/24 21:12	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/08/24 21:12	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/08/24 21:12	1
Naphthalene	ND		3.0	0.99	ug/L			11/08/24 21:12	1
o-Xylene	ND		1.0	0.11	ug/L			11/08/24 21:12	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/08/24 21:12	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/08/24 21:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/08/24 21:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/08/24 21:12	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/08/24 21:12	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/08/24 21:12	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/08/24 21:12	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/08/24 21:12	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/08/24 21:12	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/08/24 21:12	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/08/24 21:12	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/08/24 21:12	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/08/24 21:12	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/08/24 21:12	1
Total BTEX	ND		1.0	0.14	ug/L			11/08/24 21:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/08/24 21:12*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 127*		*11/08/24 21:12*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 120*		*11/08/24 21:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 125*		*11/08/24 21:12*	*1*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*		*11/08/24 21:12*	*1*

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

Lab Sample ID: LCS 280-674401/4
Matrix: Water
Analysis Batch: 674401

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	48.4		ug/L		97	80 - 120
Styrene	50.0	48.3		ug/L		97	80 - 120
cis-1,3-Dichloropropene	50.0	50.7		ug/L		101	76 - 129
trans-1,3-Dichloropropene	50.0	50.1		ug/L		100	80 - 123
N-Propylbenzene	50.0	47.7		ug/L		95	80 - 123
n-Butylbenzene	50.0	48.2		ug/L		96	59 - 140
4-Chlorotoluene	50.0	47.3		ug/L		95	80 - 120
1,4-Dichlorobenzene	50.0	46.1		ug/L		92	80 - 120
Ethylene Dibromide	50.0	45.9		ug/L		92	80 - 120
3-Chloro-1-propene	50.0	51.5		ug/L		103	65 - 132
1,2-Dichloroethane	50.0	49.0		ug/L		98	71 - 121
Vinyl acetate	100	120		ug/L		120	55 - 161
4-Methyl-2-pentanone (MIBK)	200	207		ug/L		103	66 - 135
1,3,5-Trimethylbenzene	50.0	48.6		ug/L		97	80 - 122
Bromobenzene	50.0	47.6		ug/L		95	80 - 120
Methylcyclohexane	50.0	48.4		ug/L		97	64 - 130
Toluene	50.0	47.2		ug/L		94	80 - 120
Chlorobenzene	50.0	47.8		ug/L		96	80 - 120
Tetrahydrofuran	100	96.7		ug/L		97	62 - 130
n-Hexane	50.0	46.4		ug/L		93	55 - 143
Cyclohexane	50.0	48.1		ug/L		96	68 - 125
1,2,4-Trichlorobenzene	50.0	42.4		ug/L		85	74 - 126
Chlorodibromomethane	50.0	51.4		ug/L		103	80 - 125
Tetrachloroethene	50.0	48.9		ug/L		98	80 - 121
sec-Butylbenzene	50.0	47.0		ug/L		94	80 - 123
1,3-Dichloropropane	50.0	48.5		ug/L		97	77 - 122
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	80 - 120
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	79 - 121
Methyl tert-butyl ether	50.0	49.2		ug/L		98	80 - 120
m-Xylene & p-Xylene	50.0	46.0		ug/L		92	80 - 120
1,3-Dichlorobenzene	50.0	46.4		ug/L		93	80 - 120
Carbon tetrachloride	50.0	50.3		ug/L		101	79 - 127
1,1-Dichloropropene	50.0	48.7		ug/L		97	77 - 123
2-Hexanone	200	198		ug/L		99	62 - 137
2,2-Dichloropropane	50.0	48.5		ug/L		97	75 - 131
Ethyl ether	50.0	47.1		ug/L		94	68 - 132
1,1,1,2-Tetrachloroethane	50.0	50.7		ug/L		101	80 - 124
Acetone	200	187		ug/L		93	61 - 134
Chloroform	50.0	48.9		ug/L		98	80 - 120
Benzene	50.0	48.6		ug/L		97	80 - 120
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	80 - 123
Bromomethane	50.0	38.4		ug/L		77	29 - 148
Chloromethane	50.0	48.7		ug/L		97	56 - 133
Iodomethane	50.0	50.5		ug/L		101	43 - 139
Dibromomethane	50.0	44.5		ug/L		89	80 - 120
Chlorobromomethane	50.0	45.0		ug/L		90	80 - 123
Chloroethane	50.0	49.3		ug/L		99	56 - 141
Vinyl chloride	50.0	49.4		ug/L		99	67 - 127

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

Lab Sample ID: LCS 280-674401/4
Matrix: Water
Analysis Batch: 674401

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	47.3		ug/L		95	78 - 120
Carbon disulfide	50.0	47.1		ug/L		94	70 - 121
Bromoform	50.0	49.4		ug/L		99	79 - 138
Dichlorobromomethane	50.0	50.9		ug/L		102	80 - 123
1,1-Dichloroethane	50.0	48.5		ug/L		97	78 - 121
1,1-Dichloroethene	50.0	44.8		ug/L		90	77 - 121
Trichlorofluoromethane	50.0	48.9		ug/L		98	54 - 144
Dichlorodifluoromethane	50.0	47.3		ug/L		95	47 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.4		ug/L		93	73 - 132
1,2-Dichloropropane	50.0	48.6		ug/L		97	78 - 120
2-Butanone (MEK)	200	193		ug/L		97	58 - 135
1,1,2-Trichloroethane	50.0	48.2		ug/L		96	80 - 120
Trichloroethene	50.0	44.2		ug/L		88	80 - 120
Methyl acetate	100	96.6		ug/L		97	59 - 136
1,1,2,2-Tetrachloroethane	50.0	52.9		ug/L		106	74 - 123
1,2,3-Trichlorobenzene	50.0	42.1		ug/L		84	65 - 129
Hexachlorobutadiene	50.0	50.3		ug/L		101	73 - 128
Naphthalene	50.0	37.4		ug/L		75	60 - 124
o-Xylene	50.0	48.9		ug/L		98	80 - 120
2-Chlorotoluene	50.0	47.5		ug/L		95	80 - 120
1,2-Dichlorobenzene	50.0	45.7		ug/L		91	80 - 120
1,2,4-Trimethylbenzene	50.0	47.6		ug/L		95	79 - 124
1,2-Dibromo-3-Chloropropane	50.0	44.6		ug/L		89	73 - 128
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	80 - 120
Ethyl methacrylate	50.0	48.2		ug/L		96	80 - 122
tert-Butylbenzene	50.0	47.8		ug/L		96	80 - 120
Isopropylbenzene	50.0	47.5		ug/L		95	78 - 122
p-Isopropyltoluene	50.0	48.3		ug/L		97	80 - 122
tert-Butyl alcohol (TBA)	500	467		ug/L		93	54 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 127*
Dibromofluoromethane (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 125*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*

Lab Sample ID: LCSD 280-674401/5
Matrix: Water
Analysis Batch: 674401

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	50.0	51.1		ug/L		102	80 - 120	5	20
Styrene	50.0	52.3		ug/L		105	80 - 120	8	20
cis-1,3-Dichloropropene	50.0	53.8		ug/L		108	76 - 129	6	20
trans-1,3-Dichloropropene	50.0	53.7		ug/L		107	80 - 123	7	20
N-Propylbenzene	50.0	51.1		ug/L		102	80 - 123	7	20
n-Butylbenzene	50.0	50.0		ug/L		100	59 - 140	4	20
4-Chlorotoluene	50.0	49.7		ug/L		99	80 - 120	5	20

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

Lab Sample ID: LCSD 280-674401/5
Matrix: Water
Analysis Batch: 674401

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 120	7	20
Ethylene Dibromide	50.0	49.2		ug/L		98	80 - 120	7	20
3-Chloro-1-propene	50.0	55.6		ug/L		111	65 - 132	8	20
1,2-Dichloroethane	50.0	51.8		ug/L		104	71 - 121	6	20
Vinyl acetate	100	123		ug/L		123	55 - 161	2	23
4-Methyl-2-pentanone (MIBK)	200	221		ug/L		111	66 - 135	7	20
1,3,5-Trimethylbenzene	50.0	51.1		ug/L		102	80 - 122	5	20
Bromobenzene	50.0	49.9		ug/L		100	80 - 120	5	20
Methylcyclohexane	50.0	50.4		ug/L		101	64 - 130	4	21
Toluene	50.0	50.5		ug/L		101	80 - 120	7	20
Chlorobenzene	50.0	51.5		ug/L		103	80 - 120	8	20
Tetrahydrofuran	100	104		ug/L		104	62 - 130	8	20
n-Hexane	50.0	47.4		ug/L		95	55 - 143	2	23
Cyclohexane	50.0	50.9		ug/L		102	68 - 125	6	32
1,2,4-Trichlorobenzene	50.0	44.9		ug/L		90	74 - 126	6	20
Chlorodibromomethane	50.0	54.1		ug/L		108	80 - 125	5	20
Tetrachloroethene	50.0	50.9		ug/L		102	80 - 121	4	20
sec-Butylbenzene	50.0	50.0		ug/L		100	80 - 123	6	20
1,3-Dichloropropane	50.0	51.7		ug/L		103	77 - 122	6	20
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	80 - 120	3	20
trans-1,2-Dichloroethene	50.0	49.2		ug/L		98	79 - 121	7	20
Methyl tert-butyl ether	50.0	51.8		ug/L		104	80 - 120	5	20
m-Xylene & p-Xylene	50.0	50.0		ug/L		100	80 - 120	8	20
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120	9	20
Carbon tetrachloride	50.0	52.6		ug/L		105	79 - 127	4	20
1,1-Dichloropropene	50.0	51.3		ug/L		103	77 - 123	5	20
2-Hexanone	200	210		ug/L		105	62 - 137	6	21
2,2-Dichloropropane	50.0	50.3		ug/L		101	75 - 131	4	22
Ethyl ether	50.0	49.9		ug/L		100	68 - 132	6	20
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/L		106	80 - 124	4	20
Acetone	200	206		ug/L		103	61 - 134	10	21
Chloroform	50.0	51.3		ug/L		103	80 - 120	5	20
Benzene	50.0	51.2		ug/L		102	80 - 120	5	20
1,1,1-Trichloroethane	50.0	51.7		ug/L		103	80 - 123	4	20
Bromomethane	50.0	45.0		ug/L		90	29 - 148	16	40
Chloromethane	50.0	54.5		ug/L		109	56 - 133	11	20
Iodomethane	50.0	56.3		ug/L		113	43 - 139	11	38
Dibromomethane	50.0	46.8		ug/L		94	80 - 120	5	20
Chlorobromomethane	50.0	50.0		ug/L		100	80 - 123	10	20
Chloroethane	50.0	53.8		ug/L		108	56 - 141	9	30
Vinyl chloride	50.0	54.3		ug/L		109	67 - 127	9	25
Methylene Chloride	50.0	49.2		ug/L		98	78 - 120	4	20
Carbon disulfide	50.0	49.0		ug/L		98	70 - 121	4	20
Bromoform	50.0	52.6		ug/L		105	79 - 138	6	20
Dichlorobromomethane	50.0	53.6		ug/L		107	80 - 123	5	20
1,1-Dichloroethane	50.0	51.5		ug/L		103	78 - 121	6	20
1,1-Dichloroethene	50.0	48.9		ug/L		98	77 - 121	9	21
Trichlorofluoromethane	50.0	52.3		ug/L		105	54 - 144	7	28
Dichlorodifluoromethane	50.0	50.3		ug/L		101	47 - 135	6	21

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

Lab Sample ID: LCSD 280-674401/5
Matrix: Water
Analysis Batch: 674401

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.3		ug/L		99	73 - 132	6	23
1,2-Dichloropropane	50.0	51.6		ug/L		103	78 - 120	6	20
2-Butanone (MEK)	200	206		ug/L		103	58 - 135	6	20
1,1,2-Trichloroethane	50.0	52.9		ug/L		106	80 - 120	9	20
Trichloroethene	50.0	45.7		ug/L		91	80 - 120	3	20
Methyl acetate	100	103		ug/L		103	59 - 136	7	20
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/L		111	74 - 123	4	20
1,2,3-Trichlorobenzene	50.0	46.3		ug/L		93	65 - 129	9	20
Hexachlorobutadiene	50.0	53.3		ug/L		107	73 - 128	6	20
Naphthalene	50.0	41.0		ug/L		82	60 - 124	9	21
o-Xylene	50.0	51.0		ug/L		102	80 - 120	4	20
2-Chlorotoluene	50.0	50.3		ug/L		101	80 - 120	6	20
1,2-Dichlorobenzene	50.0	48.1		ug/L		96	80 - 120	5	20
1,2,4-Trimethylbenzene	50.0	51.1		ug/L		102	79 - 124	7	20
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	73 - 128	7	21
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	80 - 120	9	20
Ethyl methacrylate	50.0	51.2		ug/L		102	80 - 122	6	20
tert-Butylbenzene	50.0	49.6		ug/L		99	80 - 120	4	20
Isopropylbenzene	50.0	51.4		ug/L		103	78 - 122	8	20
p-Isopropyltoluene	50.0	51.3		ug/L		103	80 - 122	6	20
tert-Butyl alcohol (TBA)	500	500		ug/L		100	54 - 140	7	29

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*
Dibromofluoromethane (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 125*
4-Bromofluorobenzene (Surr)	*98*		*78 - 120*

Lab Sample ID: MB 280-674436/9
Matrix: Water
Analysis Batch: 674436

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/10/24 12:35	1
Styrene	ND		1.0	0.13	ug/L			11/10/24 12:35	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/10/24 12:35	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/10/24 12:35	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/10/24 12:35	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/10/24 12:35	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/10/24 12:35	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/10/24 12:35	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/10/24 12:35	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/10/24 12:35	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/10/24 12:35	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/10/24 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/10/24 12:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/10/24 12:35	1
Bromobenzene	ND		1.0	0.19	ug/L			11/10/24 12:35	1

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

Lab Sample ID: MB 280-674436/9
Matrix: Water
Analysis Batch: 674436

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.31	ug/L			11/10/24 12:35	1
Toluene	ND		1.0	0.32	ug/L			11/10/24 12:35	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/10/24 12:35	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/10/24 12:35	1
n-Hexane	ND		2.0	0.16	ug/L			11/10/24 12:35	1
Cyclohexane	ND		1.0	0.44	ug/L			11/10/24 12:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/10/24 12:35	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/10/24 12:35	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/10/24 12:35	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/10/24 12:35	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/10/24 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/10/24 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/10/24 12:35	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/10/24 12:35	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/10/24 12:35	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/10/24 12:35	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/10/24 12:35	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/10/24 12:35	1
2-Hexanone	ND		5.0	0.81	ug/L			11/10/24 12:35	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/10/24 12:35	1
Ethyl ether	ND		2.0	0.35	ug/L			11/10/24 12:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/10/24 12:35	1
Acetone	ND		15	6.6	ug/L			11/10/24 12:35	1
Chloroform	ND		1.0	0.36	ug/L			11/10/24 12:35	1
Benzene	ND		1.0	0.14	ug/L			11/10/24 12:35	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/10/24 12:35	1
Bromomethane	ND		5.0	2.4	ug/L			11/10/24 12:35	1
Chloromethane	ND		2.0	0.23	ug/L			11/10/24 12:35	1
Iodomethane	ND		5.0	2.6	ug/L			11/10/24 12:35	1
Dibromomethane	ND		1.0	0.34	ug/L			11/10/24 12:35	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/10/24 12:35	1
Chloroethane	ND		2.0	0.64	ug/L			11/10/24 12:35	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/10/24 12:35	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/10/24 12:35	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/10/24 12:35	1
Bromoform	ND		2.0	0.25	ug/L			11/10/24 12:35	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/10/24 12:35	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/10/24 12:35	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/10/24 12:35	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/10/24 12:35	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/10/24 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/10/24 12:35	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/10/24 12:35	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/10/24 12:35	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/10/24 12:35	1
Trichloroethene	ND		1.0	0.30	ug/L			11/10/24 12:35	1
Methyl acetate	ND		5.0	1.6	ug/L			11/10/24 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/10/24 12:35	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/10/24 12:35	1

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

Lab Sample ID: MB 280-674436/9
Matrix: Water
Analysis Batch: 674436

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/10/24 12:35	1
Naphthalene	ND		3.0	0.99	ug/L			11/10/24 12:35	1
o-Xylene	ND		1.0	0.11	ug/L			11/10/24 12:35	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/10/24 12:35	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/10/24 12:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/10/24 12:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/10/24 12:35	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/10/24 12:35	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/10/24 12:35	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/10/24 12:35	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/10/24 12:35	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/10/24 12:35	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/10/24 12:35	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/10/24 12:35	1
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/10/24 12:35	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/10/24 12:35	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/10/24 12:35	1
Total BTEX	ND		1.0	0.14	ug/L			11/10/24 12:35	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/10/24 12:35*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*		*11/10/24 12:35*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 120*		*11/10/24 12:35*	*1*
Toluene-d8 (Surr)	*103*		*80 - 125*		*11/10/24 12:35*	*1*
4-Bromofluorobenzene (Surr)	*93*		*78 - 120*		*11/10/24 12:35*	*1*

Lab Sample ID: LCS 280-674436/4
Matrix: Water
Analysis Batch: 674436

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	48.9		ug/L		98	80 - 120
Styrene	50.0	49.2		ug/L		98	80 - 120
cis-1,3-Dichloropropene	50.0	46.6		ug/L		93	76 - 129
trans-1,3-Dichloropropene	50.0	48.2		ug/L		96	80 - 123
N-Propylbenzene	50.0	48.8		ug/L		98	80 - 123
n-Butylbenzene	50.0	52.9		ug/L		106	59 - 140
4-Chlorotoluene	50.0	48.4		ug/L		97	80 - 120
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 120
Ethylene Dibromide	50.0	49.1		ug/L		98	80 - 120
3-Chloro-1-propene	50.0	46.2		ug/L		92	65 - 132
1,2-Dichloroethane	50.0	52.6		ug/L		105	71 - 121
Vinyl acetate	100	109		ug/L		109	55 - 161
4-Methyl-2-pentanone (MIBK)	200	213		ug/L		106	66 - 135
1,3,5-Trimethylbenzene	50.0	50.4		ug/L		101	80 - 122
Bromobenzene	50.0	48.8		ug/L		98	80 - 120

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

Lab Sample ID: LCS 280-674436/4
Matrix: Water
Analysis Batch: 674436

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylcyclohexane	50.0	49.5		ug/L		99	64 - 130
Toluene	50.0	50.4		ug/L		101	80 - 120
Chlorobenzene	50.0	49.6		ug/L		99	80 - 120
Tetrahydrofuran	100	99.6		ug/L		100	62 - 130
n-Hexane	50.0	49.4		ug/L		99	55 - 143
Cyclohexane	50.0	48.3		ug/L		97	68 - 125
1,2,4-Trichlorobenzene	50.0	47.7		ug/L		95	74 - 126
Chlorodibromomethane	50.0	47.9		ug/L		96	80 - 125
Tetrachloroethene	50.0	47.2		ug/L		94	80 - 121
sec-Butylbenzene	50.0	48.9		ug/L		98	80 - 123
1,3-Dichloropropane	50.0	50.2		ug/L		100	77 - 122
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	80 - 120
trans-1,2-Dichloroethene	50.0	47.9		ug/L		96	79 - 121
Methyl tert-butyl ether	50.0	46.1		ug/L		92	80 - 120
m-Xylene & p-Xylene	50.0	49.1		ug/L		98	80 - 120
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120
Carbon tetrachloride	50.0	49.1		ug/L		98	79 - 127
1,1-Dichloropropene	50.0	50.4		ug/L		101	77 - 123
2-Hexanone	200	212		ug/L		106	62 - 137
2,2-Dichloropropane	50.0	47.4		ug/L		95	75 - 131
Ethyl ether	50.0	44.7		ug/L		89	68 - 132
1,1,1,2-Tetrachloroethane	50.0	48.2		ug/L		96	80 - 124
Acetone	200	204		ug/L		102	61 - 134
Chloroform	50.0	52.0		ug/L		104	80 - 120
Benzene	50.0	48.9		ug/L		98	80 - 120
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	80 - 123
Bromomethane	50.0	58.8		ug/L		118	29 - 148
Chloromethane	50.0	57.0		ug/L		114	56 - 133
Iodomethane	50.0	36.6		ug/L		73	43 - 139
Dibromomethane	50.0	50.6		ug/L		101	80 - 120
Chlorobromomethane	50.0	48.0		ug/L		96	80 - 123
Chloroethane	50.0	46.2		ug/L		92	56 - 141
Vinyl chloride	50.0	62.1		ug/L		124	67 - 127
Methylene Chloride	50.0	47.8		ug/L		96	78 - 120
Carbon disulfide	50.0	48.1		ug/L		96	70 - 121
Bromoform	50.0	46.2		ug/L		92	79 - 138
Dichlorobromomethane	50.0	50.9		ug/L		102	80 - 123
1,1-Dichloroethane	50.0	50.8		ug/L		102	78 - 121
1,1-Dichloroethene	50.0	46.9		ug/L		94	77 - 121
Trichlorofluoromethane	50.0	49.9		ug/L		100	54 - 144
Dichlorodifluoromethane	50.0	48.4		ug/L		97	47 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.6		ug/L		93	73 - 132
1,2-Dichloropropane	50.0	50.4		ug/L		101	78 - 120
2-Butanone (MEK)	200	211		ug/L		106	58 - 135
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	80 - 120
Trichloroethene	50.0	46.6		ug/L		93	80 - 120
Methyl acetate	100	98.8		ug/L		99	59 - 136
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/L		102	74 - 123

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

Lab Sample ID: LCS 280-674436/4
Matrix: Water
Analysis Batch: 674436

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	50.0	52.0		ug/L		104	65 - 129
Hexachlorobutadiene	50.0	47.5		ug/L		95	73 - 128
Naphthalene	50.0	49.4		ug/L		99	60 - 124
o-Xylene	50.0	49.3		ug/L		99	80 - 120
2-Chlorotoluene	50.0	48.6		ug/L		97	80 - 120
1,2-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 120
1,2,4-Trimethylbenzene	50.0	50.0		ug/L		100	79 - 124
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	73 - 128
1,2,3-Trichloropropane	50.0	49.1		ug/L		98	80 - 120
Ethyl methacrylate	50.0	44.9		ug/L		90	80 - 122
tert-Butylbenzene	50.0	49.0		ug/L		98	80 - 120
Isopropylbenzene	50.0	48.2		ug/L		96	78 - 122
p-Isopropyltoluene	50.0	50.4		ug/L		101	80 - 122
tert-Butyl alcohol (TBA)	500	388		ug/L		78	54 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*
Dibromofluoromethane (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 125*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*

Lab Sample ID: LCSD 280-674436/5
Matrix: Water
Analysis Batch: 674436

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	50.0	48.1		ug/L		96	80 - 120	2	20
Styrene	50.0	47.9		ug/L		96	80 - 120	3	20
cis-1,3-Dichloropropene	50.0	46.3		ug/L		93	76 - 129	1	20
trans-1,3-Dichloropropene	50.0	46.6		ug/L		93	80 - 123	3	20
N-Propylbenzene	50.0	47.2		ug/L		94	80 - 123	3	20
n-Butylbenzene	50.0	50.6		ug/L		101	59 - 140	5	20
4-Chlorotoluene	50.0	47.8		ug/L		96	80 - 120	1	20
1,4-Dichlorobenzene	50.0	47.7		ug/L		95	80 - 120	3	20
Ethylene Dibromide	50.0	48.5		ug/L		97	80 - 120	1	20
3-Chloro-1-propene	50.0	44.5		ug/L		89	65 - 132	4	20
1,2-Dichloroethane	50.0	51.9		ug/L		104	71 - 121	1	20
Vinyl acetate	100	98.1		ug/L		98	55 - 161	11	23
4-Methyl-2-pentanone (MIBK)	200	213		ug/L		106	66 - 135	0	20
1,3,5-Trimethylbenzene	50.0	48.5		ug/L		97	80 - 122	4	20
Bromobenzene	50.0	47.2		ug/L		94	80 - 120	3	20
Methylcyclohexane	50.0	48.0		ug/L		96	64 - 130	3	21
Toluene	50.0	50.0		ug/L		100	80 - 120	1	20
Chlorobenzene	50.0	48.5		ug/L		97	80 - 120	2	20
Tetrahydrofuran	100	101		ug/L		101	62 - 130	1	20
n-Hexane	50.0	47.8		ug/L		96	55 - 143	3	23
Cyclohexane	50.0	47.0		ug/L		94	68 - 125	3	32
1,2,4-Trichlorobenzene	50.0	45.5		ug/L		91	74 - 126	5	20

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

Lab Sample ID: LCSD 280-674436/5
Matrix: Water
Analysis Batch: 674436

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
Chlorodibromomethane	50.0	46.6		ug/L		93	80 - 125	3	20
Tetrachloroethene	50.0	46.7		ug/L		93	80 - 121	1	20
sec-Butylbenzene	50.0	47.7		ug/L		95	80 - 123	2	20
1,3-Dichloropropane	50.0	49.9		ug/L		100	77 - 122	1	20
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	80 - 120	1	20
trans-1,2-Dichloroethene	50.0	46.6		ug/L		93	79 - 121	3	20
Methyl tert-butyl ether	50.0	46.1		ug/L		92	80 - 120	0	20
m-Xylene & p-Xylene	50.0	48.1		ug/L		96	80 - 120	2	20
1,3-Dichlorobenzene	50.0	48.3		ug/L		97	80 - 120	4	20
Carbon tetrachloride	50.0	47.3		ug/L		95	79 - 127	4	20
1,1-Dichloropropene	50.0	49.2		ug/L		98	77 - 123	2	20
2-Hexanone	200	215		ug/L		108	62 - 137	2	21
2,2-Dichloropropane	50.0	44.3		ug/L		89	75 - 131	7	22
Ethyl ether	50.0	44.5		ug/L		89	68 - 132	0	20
1,1,1,2-Tetrachloroethane	50.0	47.3		ug/L		95	80 - 124	2	20
Acetone	200	208		ug/L		104	61 - 134	2	21
Chloroform	50.0	49.8		ug/L		100	80 - 120	4	20
Benzene	50.0	47.8		ug/L		96	80 - 120	2	20
1,1,1-Trichloroethane	50.0	47.7		ug/L		95	80 - 123	3	20
Bromomethane	50.0	55.6		ug/L		111	29 - 148	6	40
Chloromethane	50.0	53.3		ug/L		107	56 - 133	7	20
Iodomethane	50.0	31.6		ug/L		63	43 - 139	15	38
Dibromomethane	50.0	48.8		ug/L		98	80 - 120	4	20
Chlorobromomethane	50.0	47.3		ug/L		95	80 - 123	2	20
Chloroethane	50.0	47.1		ug/L		94	56 - 141	2	30
Vinyl chloride	50.0	59.9		ug/L		120	67 - 127	4	25
Methylene Chloride	50.0	46.6		ug/L		93	78 - 120	3	20
Carbon disulfide	50.0	45.6		ug/L		91	70 - 121	5	20
Bromoform	50.0	45.0		ug/L		90	79 - 138	3	20
Dichlorobromomethane	50.0	48.9		ug/L		98	80 - 123	4	20
1,1-Dichloroethane	50.0	50.3		ug/L		101	78 - 121	1	20
1,1-Dichloroethene	50.0	45.3		ug/L		91	77 - 121	4	21
Trichlorofluoromethane	50.0	48.6		ug/L		97	54 - 144	3	28
Dichlorodifluoromethane	50.0	41.4		ug/L		83	47 - 135	15	21
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.6		ug/L		91	73 - 132	2	23
1,2-Dichloropropane	50.0	48.9		ug/L		98	78 - 120	3	20
2-Butanone (MEK)	200	214		ug/L		107	58 - 135	2	20
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	80 - 120	2	20
Trichloroethene	50.0	46.6		ug/L		93	80 - 120	0	20
Methyl acetate	100	101		ug/L		101	59 - 136	2	20
1,1,2,2-Tetrachloroethane	50.0	49.7		ug/L		99	74 - 123	3	20
1,2,3-Trichlorobenzene	50.0	49.8		ug/L		100	65 - 129	4	20
Hexachlorobutadiene	50.0	45.8		ug/L		92	73 - 128	4	20
Naphthalene	50.0	47.0		ug/L		94	60 - 124	5	21
o-Xylene	50.0	47.6		ug/L		95	80 - 120	4	20
2-Chlorotoluene	50.0	47.2		ug/L		94	80 - 120	3	20
1,2-Dichlorobenzene	50.0	48.6		ug/L		97	80 - 120	4	20
1,2,4-Trimethylbenzene	50.0	48.7		ug/L		97	79 - 124	3	20

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

Lab Sample ID: LCSD 280-674436/5
Matrix: Water
Analysis Batch: 674436

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			50.0	43.0		ug/L		86	73 - 128	0	21
1,2,3-Trichloropropane			50.0	48.6		ug/L		97	80 - 120	1	20
Ethyl methacrylate			50.0	45.6		ug/L		91	80 - 122	2	20
tert-Butylbenzene			50.0	47.8		ug/L		96	80 - 120	3	20
Isopropylbenzene			50.0	47.0		ug/L		94	78 - 122	3	20
p-Isopropyltoluene			50.0	48.5		ug/L		97	80 - 122	4	20
tert-Butyl alcohol (TBA)			500	391		ug/L		78	54 - 140	1	29

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*
Dibromofluoromethane (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 125*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*

Lab Sample ID: MB 280-674451/9
Matrix: Water
Analysis Batch: 674451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.14	ug/L			11/11/24 06:40	1
Styrene	ND		1.0	0.13	ug/L			11/11/24 06:40	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			11/11/24 06:40	1
trans-1,3-Dichloropropene	ND		1.0	0.14	ug/L			11/11/24 06:40	1
N-Propylbenzene	ND		1.0	0.18	ug/L			11/11/24 06:40	1
n-Butylbenzene	ND		1.0	0.23	ug/L			11/11/24 06:40	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			11/11/24 06:40	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			11/11/24 06:40	1
Ethylene Dibromide	ND		1.0	0.18	ug/L			11/11/24 06:40	1
3-Chloro-1-propene	ND		2.0	0.46	ug/L			11/11/24 06:40	1
1,2-Dichloroethane	ND		1.0	0.28	ug/L			11/11/24 06:40	1
Vinyl acetate	ND		3.0	0.36	ug/L			11/11/24 06:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			11/11/24 06:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.12	ug/L			11/11/24 06:40	1
Bromobenzene	ND		1.0	0.19	ug/L			11/11/24 06:40	1
Methylcyclohexane	ND		1.0	0.31	ug/L			11/11/24 06:40	1
Toluene	ND		1.0	0.32	ug/L			11/11/24 06:40	1
Chlorobenzene	ND		1.0	0.092	ug/L			11/11/24 06:40	1
Tetrahydrofuran	ND		7.0	0.84	ug/L			11/11/24 06:40	1
n-Hexane	ND		2.0	0.16	ug/L			11/11/24 06:40	1
Cyclohexane	ND		1.0	0.44	ug/L			11/11/24 06:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			11/11/24 06:40	1
Chlorodibromomethane	ND		1.0	0.28	ug/L			11/11/24 06:40	1
Tetrachloroethene	ND		1.0	0.40	ug/L			11/11/24 06:40	1
sec-Butylbenzene	ND		1.0	0.20	ug/L			11/11/24 06:40	1
1,3-Dichloropropane	ND		1.0	0.17	ug/L			11/11/24 06:40	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			11/11/24 06:40	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			11/11/24 06:40	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			11/11/24 06:40	1

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

Lab Sample ID: MB 280-674451/9
Matrix: Water
Analysis Batch: 674451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			11/11/24 06:40	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			11/11/24 06:40	1
Carbon tetrachloride	ND		1.0	0.23	ug/L			11/11/24 06:40	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			11/11/24 06:40	1
2-Hexanone	ND		5.0	0.81	ug/L			11/11/24 06:40	1
2,2-Dichloropropane	ND		1.0	0.17	ug/L			11/11/24 06:40	1
Ethyl ether	ND		2.0	0.35	ug/L			11/11/24 06:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.16	ug/L			11/11/24 06:40	1
Acetone	ND		15	6.6	ug/L			11/11/24 06:40	1
Chloroform	ND		1.0	0.36	ug/L			11/11/24 06:40	1
Benzene	ND		1.0	0.14	ug/L			11/11/24 06:40	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			11/11/24 06:40	1
Bromomethane	ND		5.0	2.4	ug/L			11/11/24 06:40	1
Chloromethane	ND		2.0	0.23	ug/L			11/11/24 06:40	1
Iodomethane	ND		5.0	2.6	ug/L			11/11/24 06:40	1
Dibromomethane	ND		1.0	0.34	ug/L			11/11/24 06:40	1
Chlorobromomethane	ND		1.0	0.40	ug/L			11/11/24 06:40	1
Chloroethane	ND		2.0	0.64	ug/L			11/11/24 06:40	1
Vinyl chloride	ND		1.0	0.23	ug/L			11/11/24 06:40	1
Methylene Chloride	ND		2.0	0.94	ug/L			11/11/24 06:40	1
Carbon disulfide	ND		2.0	0.26	ug/L			11/11/24 06:40	1
Bromoform	ND		2.0	0.25	ug/L			11/11/24 06:40	1
Dichlorobromomethane	ND		1.0	0.19	ug/L			11/11/24 06:40	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			11/11/24 06:40	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			11/11/24 06:40	1
Trichlorofluoromethane	ND		2.0	0.20	ug/L			11/11/24 06:40	1
Dichlorodifluoromethane	ND		2.0	0.30	ug/L			11/11/24 06:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			11/11/24 06:40	1
1,2-Dichloropropane	ND		1.0	0.24	ug/L			11/11/24 06:40	1
2-Butanone (MEK)	ND		10	4.6	ug/L			11/11/24 06:40	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			11/11/24 06:40	1
Trichloroethene	ND		1.0	0.30	ug/L			11/11/24 06:40	1
Methyl acetate	ND		5.0	1.6	ug/L			11/11/24 06:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/24 06:40	1
1,2,3-Trichlorobenzene	ND		4.0	1.2	ug/L			11/11/24 06:40	1
Hexachlorobutadiene	ND		2.0	0.53	ug/L			11/11/24 06:40	1
Naphthalene	ND		3.0	0.99	ug/L			11/11/24 06:40	1
o-Xylene	ND		1.0	0.11	ug/L			11/11/24 06:40	1
2-Chlorotoluene	ND		1.0	0.34	ug/L			11/11/24 06:40	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			11/11/24 06:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			11/11/24 06:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.42	ug/L			11/11/24 06:40	1
1,2,3-Trichloropropane	ND		2.5	0.28	ug/L			11/11/24 06:40	1
Ethyl methacrylate	ND		3.0	0.19	ug/L			11/11/24 06:40	1
tert-Butylbenzene	ND		1.0	0.18	ug/L			11/11/24 06:40	1
Isopropylbenzene	ND		1.0	0.16	ug/L			11/11/24 06:40	1
p-Isopropyltoluene	ND		1.0	0.19	ug/L			11/11/24 06:40	1
tert-Butyl alcohol (TBA)	ND		10	3.6	ug/L			11/11/24 06:40	1
Xylenes, Total	ND		1.0	0.11	ug/L			11/11/24 06:40	1

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

Lab Sample ID: MB 280-674451/9
Matrix: Water
Analysis Batch: 674451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		1.0	0.32	ug/L			11/11/24 06:40	1
1,3-Dichloropropene, Total	ND		1.0	0.14	ug/L			11/11/24 06:40	1
Trihalomethanes, Total	ND		1.0	0.19	ug/L			11/11/24 06:40	1
Total BTEX	ND		1.0	0.14	ug/L			11/11/24 06:40	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*11/11/24 06:40*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 127*		*11/11/24 06:40*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 120*		*11/11/24 06:40*	*1*
Toluene-d8 (Surr)	*106*		*80 - 125*		*11/11/24 06:40*	*1*
4-Bromofluorobenzene (Surr)	*91*		*78 - 120*		*11/11/24 06:40*	*1*

Lab Sample ID: LCS 280-674451/4
Matrix: Water
Analysis Batch: 674451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	48.3		ug/L		97	80 - 120
Styrene	50.0	48.6		ug/L		97	80 - 120
cis-1,3-Dichloropropene	50.0	53.7		ug/L		107	76 - 129
trans-1,3-Dichloropropene	50.0	44.2		ug/L		88	80 - 123
N-Propylbenzene	50.0	48.8		ug/L		98	80 - 123
n-Butylbenzene	50.0	43.5		ug/L		87	59 - 140
4-Chlorotoluene	50.0	49.0		ug/L		98	80 - 120
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 120
Ethylene Dibromide	50.0	51.5		ug/L		103	80 - 120
3-Chloro-1-propene	50.0	48.3		ug/L		97	65 - 132
1,2-Dichloroethane	50.0	46.2		ug/L		92	71 - 121
Vinyl acetate	100	108		ug/L		108	55 - 161
4-Methyl-2-pentanone (MIBK)	200	191		ug/L		95	66 - 135
1,3,5-Trimethylbenzene	50.0	47.2		ug/L		94	80 - 122
Bromobenzene	50.0	50.5		ug/L		101	80 - 120
Methylcyclohexane	50.0	40.2		ug/L		80	64 - 130
Toluene	50.0	49.8		ug/L		100	80 - 120
Chlorobenzene	50.0	49.2		ug/L		98	80 - 120
Tetrahydrofuran	100	90.9		ug/L		91	62 - 130
n-Hexane	50.0	40.8		ug/L		82	55 - 143
Cyclohexane	50.0	44.2		ug/L		88	68 - 125
1,2,4-Trichlorobenzene	50.0	49.0		ug/L		98	74 - 126
Chlorodibromomethane	50.0	47.9		ug/L		96	80 - 125
Tetrachloroethene	50.0	53.1		ug/L		106	80 - 121
sec-Butylbenzene	50.0	46.7		ug/L		93	80 - 123
1,3-Dichloropropane	50.0	49.5		ug/L		99	77 - 122
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	80 - 120
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	79 - 121
Methyl tert-butyl ether	50.0	50.0		ug/L		100	80 - 120

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

Lab Sample ID: LCS 280-674451/4
Matrix: Water
Analysis Batch: 674451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	50.0	48.8		ug/L		98	80 - 120
1,3-Dichlorobenzene	50.0	47.8		ug/L		96	80 - 120
Carbon tetrachloride	50.0	48.5		ug/L		97	79 - 127
1,1-Dichloropropene	50.0	47.6		ug/L		95	77 - 123
2-Hexanone	200	190		ug/L		95	62 - 137
2,2-Dichloropropane	50.0	51.4		ug/L		103	75 - 131
Ethyl ether	50.0	52.5		ug/L		105	68 - 132
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/L		103	80 - 124
Acetone	200	179		ug/L		89	61 - 134
Chloroform	50.0	47.3		ug/L		95	80 - 120
Benzene	50.0	48.6		ug/L		97	80 - 120
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	80 - 123
Bromomethane	50.0	48.9		ug/L		98	29 - 148
Chloromethane	50.0	47.9		ug/L		96	56 - 133
Iodomethane	50.0	53.3		ug/L		107	43 - 139
Dibromomethane	50.0	49.6		ug/L		99	80 - 120
Chlorobromomethane	50.0	52.0		ug/L		104	80 - 123
Chloroethane	50.0	47.6		ug/L		95	56 - 141
Vinyl chloride	50.0	50.9		ug/L		102	67 - 127
Methylene Chloride	50.0	48.3		ug/L		97	78 - 120
Carbon disulfide	50.0	50.3		ug/L		101	70 - 121
Bromoform	50.0	49.5		ug/L		99	79 - 138
Dichlorobromomethane	50.0	44.9		ug/L		90	80 - 123
1,1-Dichloroethane	50.0	49.1		ug/L		98	78 - 121
1,1-Dichloroethene	50.0	51.7		ug/L		103	77 - 121
Trichlorofluoromethane	50.0	49.1		ug/L		98	54 - 144
Dichlorodifluoromethane	50.0	34.7		ug/L		69	47 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.0		ug/L		94	73 - 132
1,2-Dichloropropane	50.0	47.9		ug/L		96	78 - 120
2-Butanone (MEK)	200	186		ug/L		93	58 - 135
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	80 - 120
Trichloroethene	50.0	48.3		ug/L		97	80 - 120
Methyl acetate	100	93.5		ug/L		93	59 - 136
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/L		108	74 - 123
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99	65 - 129
Hexachlorobutadiene	50.0	48.0		ug/L		96	73 - 128
Naphthalene	50.0	45.8		ug/L		92	60 - 124
o-Xylene	50.0	46.9		ug/L		94	80 - 120
2-Chlorotoluene	50.0	48.8		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	80 - 120
1,2,4-Trimethylbenzene	50.0	46.1		ug/L		92	79 - 124
1,2-Dibromo-3-Chloropropane	50.0	51.6		ug/L		103	73 - 128
1,2,3-Trichloropropane	50.0	52.6		ug/L		105	80 - 120
Ethyl methacrylate	50.0	50.8		ug/L		102	80 - 122
tert-Butylbenzene	50.0	48.3		ug/L		97	80 - 120
Isopropylbenzene	50.0	49.6		ug/L		99	78 - 122
p-Isopropyltoluene	50.0	46.1		ug/L		92	80 - 122
tert-Butyl alcohol (TBA)	500	448		ug/L		90	54 - 140

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 127
Dibromofluoromethane (Surr)	103		77 - 120
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	95		78 - 120

Lab Sample ID: LCSD 280-674451/5
Matrix: Water
Analysis Batch: 674451

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	50.0	47.4		ug/L		95	80 - 120	2	20
Styrene	50.0	47.0		ug/L		94	80 - 120	3	20
cis-1,3-Dichloropropene	50.0	53.6		ug/L		107	76 - 129	0	20
trans-1,3-Dichloropropene	50.0	45.6		ug/L		91	80 - 123	3	20
N-Propylbenzene	50.0	47.9		ug/L		96	80 - 123	2	20
n-Butylbenzene	50.0	39.7		ug/L		79	59 - 140	9	20
4-Chlorotoluene	50.0	49.1		ug/L		98	80 - 120	0	20
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120	2	20
Ethylene Dibromide	50.0	52.3		ug/L		105	80 - 120	2	20
3-Chloro-1-propene	50.0	44.5		ug/L		89	65 - 132	8	20
1,2-Dichloroethane	50.0	46.4		ug/L		93	71 - 121	0	20
Vinyl acetate	100	96.2		ug/L		96	55 - 161	11	23
4-Methyl-2-pentanone (MIBK)	200	196		ug/L		98	66 - 135	3	20
1,3,5-Trimethylbenzene	50.0	45.3		ug/L		91	80 - 122	4	20
Bromobenzene	50.0	52.0		ug/L		104	80 - 120	3	20
Methylcyclohexane	50.0	40.3		ug/L		81	64 - 130	0	21
Toluene	50.0	51.5		ug/L		103	80 - 120	3	20
Chlorobenzene	50.0	49.2		ug/L		98	80 - 120	0	20
Tetrahydrofuran	100	94.7		ug/L		95	62 - 130	4	20
n-Hexane	50.0	39.8		ug/L		80	55 - 143	3	23
Cyclohexane	50.0	43.4		ug/L		87	68 - 125	2	32
1,2,4-Trichlorobenzene	50.0	51.6		ug/L		103	74 - 126	5	20
Chlorodibromomethane	50.0	47.0		ug/L		94	80 - 125	2	20
Tetrachloroethene	50.0	51.4		ug/L		103	80 - 121	3	20
sec-Butylbenzene	50.0	46.2		ug/L		92	80 - 123	1	20
1,3-Dichloropropane	50.0	50.4		ug/L		101	77 - 122	2	20
cis-1,2-Dichloroethene	50.0	48.6		ug/L		97	80 - 120	2	20
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	79 - 121	5	20
Methyl tert-butyl ether	50.0	50.4		ug/L		101	80 - 120	1	20
m-Xylene & p-Xylene	50.0	47.1		ug/L		94	80 - 120	4	20
1,3-Dichlorobenzene	50.0	48.6		ug/L		97	80 - 120	2	20
Carbon tetrachloride	50.0	45.1		ug/L		90	79 - 127	7	20
1,1-Dichloropropene	50.0	45.3		ug/L		91	77 - 123	5	20
2-Hexanone	200	191		ug/L		96	62 - 137	1	21
2,2-Dichloropropane	50.0	47.8		ug/L		96	75 - 131	7	22
Ethyl ether	50.0	50.0		ug/L		100	68 - 132	5	20
1,1,1,2-Tetrachloroethane	50.0	51.9		ug/L		104	80 - 124	1	20
Acetone	200	183		ug/L		91	61 - 134	2	21
Chloroform	50.0	47.4		ug/L		95	80 - 120	0	20
Benzene	50.0	47.4		ug/L		95	80 - 120	2	20
1,1,1-Trichloroethane	50.0	47.3		ug/L		95	80 - 123	4	20

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

Lab Sample ID: LCSD 280-674451/5
Matrix: Water
Analysis Batch: 674451

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
Bromomethane			50.0	31.5	*1	ug/L		63	29 - 148	43	40
Chloromethane			50.0	45.5		ug/L		91	56 - 133	5	20
Iodomethane			50.0	49.2		ug/L		98	43 - 139	8	38
Dibromomethane			50.0	51.5		ug/L		103	80 - 120	4	20
Chlorobromomethane			50.0	51.5		ug/L		103	80 - 123	1	20
Chloroethane			50.0	36.8		ug/L		74	56 - 141	25	30
Vinyl chloride			50.0	50.0		ug/L		100	67 - 127	2	25
Methylene Chloride			50.0	46.4		ug/L		93	78 - 120	4	20
Carbon disulfide			50.0	45.5		ug/L		91	70 - 121	10	20
Bromoform			50.0	47.1		ug/L		94	79 - 138	5	20
Dichlorobromomethane			50.0	44.6		ug/L		89	80 - 123	1	20
1,1-Dichloroethane			50.0	48.6		ug/L		97	78 - 121	1	20
1,1-Dichloroethene			50.0	50.3		ug/L		101	77 - 121	3	21
Trichlorofluoromethane			50.0	47.1		ug/L		94	54 - 144	4	28
Dichlorodifluoromethane			50.0	37.3		ug/L		75	47 - 135	7	21
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	46.0		ug/L		92	73 - 132	2	23
1,2-Dichloropropane			50.0	49.0		ug/L		98	78 - 120	2	20
2-Butanone (MEK)			200	195		ug/L		97	58 - 135	5	20
1,1,2-Trichloroethane			50.0	51.9		ug/L		104	80 - 120	4	20
Trichloroethene			50.0	47.5		ug/L		95	80 - 120	2	20
Methyl acetate			100	94.1		ug/L		94	59 - 136	1	20
1,1,2,2-Tetrachloroethane			50.0	55.5		ug/L		111	74 - 123	2	20
1,2,3-Trichlorobenzene			50.0	53.0		ug/L		106	65 - 129	6	20
Hexachlorobutadiene			50.0	50.7		ug/L		101	73 - 128	5	20
Naphthalene			50.0	44.5		ug/L		89	60 - 124	3	21
o-Xylene			50.0	45.1		ug/L		90	80 - 120	4	20
2-Chlorotoluene			50.0	49.1		ug/L		98	80 - 120	1	20
1,2-Dichlorobenzene			50.0	51.2		ug/L		102	80 - 120	5	20
1,2,4-Trimethylbenzene			50.0	43.6		ug/L		87	79 - 124	6	20
1,2-Dibromo-3-Chloropropane			50.0	53.9		ug/L		108	73 - 128	4	21
1,2,3-Trichloropropane			50.0	55.2		ug/L		110	80 - 120	5	20
Ethyl methacrylate			50.0	50.6		ug/L		101	80 - 122	0	20
tert-Butylbenzene			50.0	47.3		ug/L		95	80 - 120	2	20
Isopropylbenzene			50.0	49.0		ug/L		98	78 - 122	1	20
p-Isopropyltoluene			50.0	43.7		ug/L		87	80 - 122	5	20
tert-Butyl alcohol (TBA)			500	459		ug/L		92	54 - 140	2	29

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 127*
Dibromofluoromethane (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 125*
4-Bromofluorobenzene (Surr)	*95*		*78 - 120*

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

Lab Sample ID: MB 280-673586/1-A
Matrix: Water
Analysis Batch: 673729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.2	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,4-Dimethylphenol	ND		10	1.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,4-Dinitrophenol	ND		30	13	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,4-Dinitrotoluene	ND		10	1.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,4,6-Trichlorophenol	ND		10	2.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,4,5-Trichlorophenol	ND		10	2.6	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,2'-oxybis[1-chloropropane]	ND		10	1.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
Di-n-butyl phthalate	ND		4.0	2.1	ug/L		11/04/24 12:15	11/05/24 12:16	1
Di-n-octyl phthalate	ND		10	3.6	ug/L		11/04/24 12:15	11/05/24 12:16	1
Benzo[a]anthracene	ND		4.0	0.96	ug/L		11/04/24 12:15	11/05/24 12:16	1
Benzo[a]pyrene	ND		4.0	0.50	ug/L		11/04/24 12:15	11/05/24 12:16	1
Benzo[b]fluoranthene	ND		4.0	2.2	ug/L		11/04/24 12:15	11/05/24 12:16	1
Benzo[g,h,i]perylene	ND		4.0	2.8	ug/L		11/04/24 12:15	11/05/24 12:16	1
Benzo[k]fluoranthene	ND		4.0	1.1	ug/L		11/04/24 12:15	11/05/24 12:16	1
Acenaphthene	ND		4.0	0.96	ug/L		11/04/24 12:15	11/05/24 12:16	1
Acenaphthylene	ND		4.0	0.75	ug/L		11/04/24 12:15	11/05/24 12:16	1
Acetophenone	ND		10	2.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
Anthracene	ND		4.0	0.58	ug/L		11/04/24 12:15	11/05/24 12:16	1
Atrazine	ND		10	0.65	ug/L		11/04/24 12:15	11/05/24 12:16	1
Benzaldehyde	ND		5.0	1.2	ug/L		11/04/24 12:15	11/05/24 12:16	1
Butyl benzyl phthalate	ND		4.0	1.5	ug/L		11/04/24 12:15	11/05/24 12:16	1
Caprolactam	ND		15	5.5	ug/L		11/04/24 12:15	11/05/24 12:16	1
Chrysene	ND		4.0	0.97	ug/L		11/04/24 12:15	11/05/24 12:16	1
Dibenz(a,h)anthracene	ND		10	4.8	ug/L		11/04/24 12:15	11/05/24 12:16	1
Dibenzofuran	ND		4.0	0.95	ug/L		11/04/24 12:15	11/05/24 12:16	1
Diethyl phthalate	ND		4.0	1.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
Hexachlorobenzene	ND		10	2.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
Hexachlorocyclopentadiene	ND		50	16	ug/L		11/04/24 12:15	11/05/24 12:16	1
Hexachlorobutadiene	ND		10	2.9	ug/L		11/04/24 12:15	11/05/24 12:16	1
Hexachloroethane	ND		10	4.5	ug/L		11/04/24 12:15	11/05/24 12:16	1
Fluoranthene	ND		4.0	1.1	ug/L		11/04/24 12:15	11/05/24 12:16	1
Fluorene	ND		4.0	0.78	ug/L		11/04/24 12:15	11/05/24 12:16	1
Indeno[1,2,3-cd]pyrene	ND		10	3.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
Isophorone	ND		10	2.0	ug/L		11/04/24 12:15	11/05/24 12:16	1
N-Nitrosodi-n-propylamine	ND		10	1.9	ug/L		11/04/24 12:15	11/05/24 12:16	1
N-Nitrosodiphenylamine	ND		10	1.8	ug/L		11/04/24 12:15	11/05/24 12:16	1
Naphthalene	ND		4.0	1.5	ug/L		11/04/24 12:15	11/05/24 12:16	1
Nitrobenzene	ND		10	1.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
Pentachlorophenol	ND		50	20	ug/L		11/04/24 12:15	11/05/24 12:16	1
Phenanthrene	ND		4.0	1.6	ug/L		11/04/24 12:15	11/05/24 12:16	1
Phenol	ND		10	0.92	ug/L		11/04/24 12:15	11/05/24 12:16	1
Pyrene	ND		10	2.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
2-Chloronaphthalene	ND		4.0	1.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
2-Chlorophenol	ND		10	2.6	ug/L		11/04/24 12:15	11/05/24 12:16	1
2-Methylnaphthalene	ND		4.0	1.2	ug/L		11/04/24 12:15	11/05/24 12:16	1
2-Methylphenol	ND		10	0.77	ug/L		11/04/24 12:15	11/05/24 12:16	1
2-Nitroaniline	ND		10	2.6	ug/L		11/04/24 12:15	11/05/24 12:16	1

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

Lab Sample ID: MB 280-673586/1-A
Matrix: Water
Analysis Batch: 673729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		10	3.5	ug/L		11/04/24 12:15	11/05/24 12:16	1
3,3'-Dichlorobenzidine	ND		50	3.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
3-Nitroaniline	ND		10	3.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
4,6-Dinitro-2-methylphenol	ND		50	4.0	ug/L		11/04/24 12:15	11/05/24 12:16	1
4-Bromophenyl phenyl ether	ND		10	1.0	ug/L		11/04/24 12:15	11/05/24 12:16	1
3 & 4 Methylphenol	ND		10	2.2	ug/L		11/04/24 12:15	11/05/24 12:16	1
4-Nitroaniline	ND		10	2.6	ug/L		11/04/24 12:15	11/05/24 12:16	1
4-Nitrophenol	ND		25	9.1	ug/L		11/04/24 12:15	11/05/24 12:16	1
Bis(2-chloroethoxy)methane	ND		10	2.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
Bis(2-chloroethyl)ether	ND		10	2.0	ug/L		11/04/24 12:15	11/05/24 12:16	1
Bis(2-ethylhexyl) phthalate	ND		10	3.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
2,6-Dinitrotoluene	ND		10	1.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
4-Chloro-3-methylphenol	ND		10	1.7	ug/L		11/04/24 12:15	11/05/24 12:16	1
4-Chloroaniline	ND		20	6.3	ug/L		11/04/24 12:15	11/05/24 12:16	1
4-Chlorophenyl phenyl ether	ND		10	1.2	ug/L		11/04/24 12:15	11/05/24 12:16	1
Carbazole	ND		4.0	1.4	ug/L		11/04/24 12:15	11/05/24 12:16	1
Dimethyl phthalate	ND		4.0	0.75	ug/L		11/04/24 12:15	11/05/24 12:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*11/04/24 12:15*	*11/05/24 12:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*58*		*13 - 120*	*11/04/24 12:15*	*11/05/24 12:16*	*1*
Phenol-d5 (Surr)	*40*		*10 - 120*	*11/04/24 12:15*	*11/05/24 12:16*	*1*
Nitrobenzene-d5 (Surr)	*83*		*34 - 120*	*11/04/24 12:15*	*11/05/24 12:16*	*1*
2-Fluorobiphenyl (Surr)	*74*		*28 - 120*	*11/04/24 12:15*	*11/05/24 12:16*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*22 - 140*	*11/04/24 12:15*	*11/05/24 12:16*	*1*
Terphenyl-d14 (Surr)	*93*		*55 - 142*	*11/04/24 12:15*	*11/05/24 12:16*	*1*

Lab Sample ID: LCS 280-673586/2-A
Matrix: Water
Analysis Batch: 673729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	53.8		ug/L		67	45 - 120
2,4-Dichlorophenol	80.0	59.9		ug/L		75	42 - 120
2,4-Dimethylphenol	80.0	60.9		ug/L		76	49 - 120
2,4-Dinitrophenol	160	180		ug/L		113	11 - 131
2,4-Dinitrotoluene	80.0	81.1		ug/L		101	52 - 124
2,4,6-Trichlorophenol	80.0	69.2		ug/L		87	44 - 120
2,4,5-Trichlorophenol	80.0	73.0		ug/L		91	52 - 120
2,2'-oxybis[1-chloropropane]	80.0	40.3		ug/L		50	32 - 120
Di-n-butyl phthalate	80.0	76.9		ug/L		96	52 - 132
Di-n-octyl phthalate	80.0	62.0		ug/L		78	33 - 141
Benzo[a]anthracene	80.0	76.4		ug/L		95	57 - 127
Benzo[a]pyrene	80.0	75.3		ug/L		94	50 - 120
Benzo[b]fluoranthene	80.0	82.0		ug/L		103	44 - 134
Benzo[g,h,i]perylene	80.0	81.7		ug/L		102	52 - 120

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

Lab Sample ID: LCS 280-673586/2-A
Matrix: Water
Analysis Batch: 673729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[k]fluoranthene	80.0	70.9		ug/L		89	58 - 127
Acenaphthene	80.0	61.7		ug/L		77	48 - 120
Acenaphthylene	80.0	62.2		ug/L		78	50 - 120
Acetophenone	80.0	52.5		ug/L		66	40 - 120
Anthracene	80.0	73.7		ug/L		92	56 - 121
Atrazine	80.0	74.1		ug/L		93	53 - 132
Benzaldehyde	80.0	54.7		ug/L		68	12 - 120
Butyl benzyl phthalate	80.0	72.3		ug/L		90	49 - 141
Caprolactam	80.0	21.5		ug/L		27	10 - 120
Chrysene	80.0	72.1		ug/L		90	54 - 123
Dibenz(a,h)anthracene	80.0	83.3		ug/L		104	48 - 125
Dibenzofuran	80.0	65.7		ug/L		82	51 - 120
Diethyl phthalate	80.0	76.3		ug/L		95	56 - 123
Hexachlorobenzene	80.0	76.0		ug/L		95	56 - 120
Hexachlorocyclopentadiene	160	131		ug/L		82	10 - 120
Hexachlorobutadiene	80.0	25.6		ug/L		32	10 - 120
Hexachloroethane	80.0	20.1		ug/L		25	10 - 120
Fluoranthene	80.0	79.7		ug/L		100	54 - 122
Fluorene	80.0	69.3		ug/L		87	53 - 120
Indeno[1,2,3-cd]pyrene	80.0	85.0		ug/L		106	38 - 120
Isophorone	80.0	56.2		ug/L		70	51 - 120
N-Nitrosodi-n-propylamine	80.0	52.7		ug/L		66	44 - 120
N-Nitrosodiphenylamine	80.0	74.6		ug/L		93	54 - 120
Naphthalene	80.0	39.5		ug/L		49	31 - 130
Nitrobenzene	80.0	49.2		ug/L		61	37 - 120
Pentachlorophenol	160	181		ug/L		113	42 - 126
Phenanthrene	80.0	72.5		ug/L		91	56 - 120
Phenol	80.0	29.4		ug/L		37	28 - 120
Pyrene	80.0	70.4		ug/L		88	54 - 126
2-Chloronaphthalene	80.0	52.5		ug/L		66	43 - 120
2-Chlorophenol	80.0	49.5		ug/L		62	35 - 120
2-Methylnaphthalene	80.0	45.3		ug/L		57	33 - 120
2-Methylphenol	80.0	51.8		ug/L		65	49 - 120
2-Nitroaniline	80.0	74.8		ug/L		94	51 - 120
2-Nitrophenol	80.0	54.2		ug/L		68	31 - 120
3,3'-Dichlorobenzidine	160	178		ug/L		111	42 - 147
3-Nitroaniline	80.0	66.8		ug/L		84	46 - 121
4,6-Dinitro-2-methylphenol	160	187		ug/L		117	37 - 133
4-Bromophenyl phenyl ether	80.0	73.3		ug/L		92	57 - 120
3 & 4 Methylphenol	80.0	49.4		ug/L		62	54 - 120
4-Nitroaniline	80.0	85.4		ug/L		107	49 - 122
4-Nitrophenol	160	84.0		ug/L		52	31 - 120
Bis(2-chloroethoxy)methane	80.0	53.5		ug/L		67	35 - 127
Bis(2-chloroethyl)ether	80.0	48.1		ug/L		60	30 - 120
Bis(2-ethylhexyl) phthalate	80.0	68.6		ug/L		86	40 - 134
2,6-Dinitrotoluene	80.0	75.8		ug/L		95	33 - 124
4-Chloro-3-methylphenol	80.0	72.1		ug/L		90	51 - 120
4-Chloroaniline	80.0	50.2		ug/L		63	33 - 120
4-Chlorophenyl phenyl ether	80.0	69.9		ug/L		87	52 - 120

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

Lab Sample ID: LCS 280-673586/2-A
Matrix: Water
Analysis Batch: 673729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	80.0	77.4		ug/L		97	53 - 123
Dimethyl phthalate	80.0	75.6		ug/L		95	57 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*41*		*13 - 120*
Phenol-d5 (Surr)	*30*		*10 - 120*
Nitrobenzene-d5 (Surr)	*60*		*34 - 120*
2-Fluorobiphenyl (Surr)	*62*		*28 - 120*
2,4,6-Tribromophenol (Surr)	*100*		*22 - 140*
Terphenyl-d14 (Surr)	*87*		*55 - 142*

Lab Sample ID: LCSD 280-673586/3-A
Matrix: Water
Analysis Batch: 673729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 673586

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	63.7		ug/L		80	45 - 120	17	42
2,4-Dichlorophenol	80.0	80.4		ug/L		101	42 - 120	29	47
2,4-Dimethylphenol	80.0	78.5		ug/L		98	49 - 120	25	48
2,4-Dinitrophenol	160	204		ug/L		128	11 - 131	12	45
2,4-Dinitrotoluene	80.0	88.1		ug/L		110	52 - 124	8	35
2,4,6-Trichlorophenol	80.0	80.3		ug/L		100	44 - 120	15	44
2,4,5-Trichlorophenol	80.0	82.4		ug/L		103	52 - 120	12	40
2,2'-oxybis[1-chloropropane]	80.0	59.4		ug/L		74	32 - 120	38	50
Di-n-butyl phthalate	80.0	87.1		ug/L		109	52 - 132	12	35
Di-n-octyl phthalate	80.0	69.1		ug/L		86	33 - 141	11	38
Benzo[a]anthracene	80.0	84.8		ug/L		106	57 - 127	10	31
Benzo[a]pyrene	80.0	82.4		ug/L		103	50 - 120	9	35
Benzo[b]fluoranthene	80.0	89.0		ug/L		111	44 - 134	8	39
Benzo[g,h,i]perylene	80.0	85.9		ug/L		107	52 - 120	5	36
Benzo[k]fluoranthene	80.0	76.6		ug/L		96	58 - 127	8	32
Acenaphthene	80.0	69.3		ug/L		87	48 - 120	11	41
Acenaphthylene	80.0	70.8		ug/L		88	50 - 120	13	40
Acetophenone	80.0	74.0		ug/L		93	40 - 120	34	47
Anthracene	80.0	80.9		ug/L		101	56 - 121	9	33
Atrazine	80.0	81.4		ug/L		102	53 - 132	9	41
Benzaldehyde	80.0	78.3		ug/L		98	12 - 120	36	60
Butyl benzyl phthalate	80.0	79.9		ug/L		100	49 - 141	10	35
Caprolactam	80.0	23.2		ug/L		29	10 - 120	8	122
Chrysene	80.0	77.6		ug/L		97	54 - 123	7	29
Dibenz(a,h)anthracene	80.0	90.0		ug/L		112	48 - 125	8	37
Dibenzofuran	80.0	73.2		ug/L		91	51 - 120	11	40
Diethyl phthalate	80.0	82.6		ug/L		103	56 - 123	8	32
Hexachlorobenzene	80.0	84.9		ug/L		106	56 - 120	11	34
Hexachlorocyclopentadiene	160	205	E *+	ug/L		128	10 - 120	44	96
Hexachlorobutadiene	80.0	44.5		ug/L		56	10 - 120	54	56
Hexachloroethane	80.0	38.7		ug/L		48	10 - 120	63	90
Fluoranthene	80.0	88.8		ug/L		111	54 - 122	11	32

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

Lab Sample ID: LCSD 280-673586/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 673729
Prep Batch: 673586

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	80.0	75.7		ug/L		95	53 - 120	9	38
Indeno[1,2,3-cd]pyrene	80.0	91.0		ug/L		114	38 - 120	7	36
Isophorone	80.0	74.5		ug/L		93	51 - 120	28	47
N-Nitrosodi-n-propylamine	80.0	72.4		ug/L		90	44 - 120	32	47
N-Nitrosodiphenylamine	80.0	80.6		ug/L		101	54 - 120	8	33
Naphthalene	80.0	57.0		ug/L		71	31 - 130	36	49
Nitrobenzene	80.0	68.6		ug/L		86	37 - 120	33	50
Pentachlorophenol	160	203	*+	ug/L		127	42 - 126	11	36
Phenanthrene	80.0	78.5		ug/L		98	56 - 120	8	33
Phenol	80.0	38.4		ug/L		48	28 - 120	27	40
Pyrene	80.0	75.8		ug/L		95	54 - 126	7	30
2-Chloronaphthalene	80.0	67.3		ug/L		84	43 - 120	25	43
2-Chlorophenol	80.0	68.4		ug/L		86	35 - 120	32	47
2-Methylnaphthalene	80.0	60.7		ug/L		76	33 - 120	29	48
2-Methylphenol	80.0	67.4		ug/L		84	49 - 120	26	46
2-Nitroaniline	80.0	81.0		ug/L		101	51 - 120	8	41
2-Nitrophenol	80.0	75.5		ug/L		94	31 - 120	33	51
3,3'-Dichlorobenzidine	160	191		ug/L		120	42 - 147	7	35
3-Nitroaniline	80.0	70.0		ug/L		88	46 - 121	5	39
4,6-Dinitro-2-methylphenol	160	207		ug/L		129	37 - 133	10	35
4-Bromophenyl phenyl ether	80.0	81.7		ug/L		102	57 - 120	11	35
3 & 4 Methylphenol	80.0	63.6		ug/L		79	54 - 120	25	49
4-Nitroaniline	80.0	87.4		ug/L		109	49 - 122	2	121
4-Nitrophenol	160	85.9		ug/L		54	31 - 120	2	29
Bis(2-chloroethoxy)methane	80.0	73.5		ug/L		92	35 - 127	31	48
Bis(2-chloroethyl)ether	80.0	69.0		ug/L		86	30 - 120	36	48
Bis(2-ethylhexyl) phthalate	80.0	78.1		ug/L		98	40 - 134	13	38
2,6-Dinitrotoluene	80.0	81.4		ug/L		102	33 - 124	7	37
4-Chloro-3-methylphenol	80.0	83.1		ug/L		104	51 - 120	14	42
4-Chloroaniline	80.0	60.5		ug/L		76	33 - 120	19	78
4-Chlorophenyl phenyl ether	80.0	76.9		ug/L		96	52 - 120	10	40
Carbazole	80.0	84.4		ug/L		106	53 - 123	9	33
Dimethyl phthalate	80.0	80.7		ug/L		101	57 - 121	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*52*		*13 - 120*
Phenol-d5 (Surr)	*39*		*10 - 120*
Nitrobenzene-d5 (Surr)	*82*		*34 - 120*
2-Fluorobiphenyl (Surr)	*74*		*28 - 120*
2,4,6-Tribromophenol (Surr)	*109*		*22 - 140*
Terphenyl-d14 (Surr)	*95*		*55 - 142*

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

Lab Sample ID: MB 280-673948/13
Matrix: Water
Analysis Batch: 673948

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		25	10	ug/L			11/06/24 16:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (Surr)	*98*		*82 - 110*		*11/06/24 16:23*	*1*

Lab Sample ID: LCS 280-673948/11
Matrix: Water
Analysis Batch: 673948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	451	538		ug/L		119	79 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (Surr)	*107*		*82 - 110*

Lab Sample ID: LCSD 280-673948/12
Matrix: Water
Analysis Batch: 673948

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
Gasoline Range Organics (GRO)-C6-C10	451	542		ug/L		120	79 - 149	1	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene (Surr)	*108*		*82 - 110*

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

Lab Sample ID: MB 280-673613/1-A
Matrix: Water
Analysis Batch: 674112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.25	0.033	mg/L		11/04/24 14:28	11/07/24 18:02	1
Motor Oil (C20-C38)	ND		0.50	0.056	mg/L		11/04/24 14:28	11/07/24 18:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*62 - 153*	*11/04/24 14:28*	*11/07/24 18:02*	*1*
n-Octacosane (Surr)	*69*		*45 - 156*	*11/04/24 14:28*	*11/07/24 18:02*	*1*

Lab Sample ID: LCS 280-673613/2-A
Matrix: Water
Analysis Batch: 674112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	2.00	1.17		mg/L		58	46 - 123

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	77		62 - 153
n-Octacosane (Surr)	76		45 - 156

Lab Sample ID: LCS 280-673613/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674112 — **Prep Batch: 673613**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Motor Oil (C20-C38)	5.02	4.35		mg/L		87	52 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	71		62 - 153
n-Octacosane (Surr)	80		45 - 156

Lab Sample ID: LCSD 280-673613/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674112 — **Prep Batch: 673613**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2.00	1.17		mg/L		58	46 - 123	0	36

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	79		62 - 153
n-Octacosane (Surr)	76		45 - 156

Lab Sample ID: LCSD 280-673613/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674112 — **Prep Batch: 673613**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Motor Oil (C20-C38)	5.02	4.31		mg/L		86	52 - 140	1	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	71		62 - 153
n-Octacosane (Surr)	83		45 - 156

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 280-673719/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673851 — **Prep Batch: 673719**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	0.25	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.13	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.52	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.20	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.58	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.39	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.20	ng/L		11/05/24 10:20	11/06/24 04:20	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-673719/1-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.26	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.16	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.29	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.39	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.70	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.33	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.70	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.42	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.19	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.26	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.28	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.46	ng/L		11/05/24 10:20	11/06/24 04:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	0.55	ng/L		11/05/24 10:20	11/06/24 04:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.9	ng/L		11/05/24 10:20	11/06/24 04:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.6	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.40	ng/L		11/05/24 10:20	11/06/24 04:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.64	ng/L		11/05/24 10:20	11/06/24 04:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.74	ng/L		11/05/24 10:20	11/06/24 04:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.80	ng/L		11/05/24 10:20	11/06/24 04:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.54	ng/L		11/05/24 10:20	11/06/24 04:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	1.7	ng/L		11/05/24 10:20	11/06/24 04:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	1.5	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoro(2-propoxypropanoic) acid (GenX)	ND		1.5	0.53	ng/L		11/05/24 10:20	11/06/24 04:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.25	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.20	ng/L		11/05/24 10:20	11/06/24 04:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.53	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.15	ng/L		11/05/24 10:20	11/06/24 04:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.29	ng/L		11/05/24 10:20	11/06/24 04:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.28	ng/L		11/05/24 10:20	11/06/24 04:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.17	ng/L		11/05/24 10:20	11/06/24 04:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	0.62	ng/L		11/05/24 10:20	11/06/24 04:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	0.73	ng/L		11/05/24 10:20	11/06/24 04:20	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-673719/1-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	1.5	ng/L		11/05/24 10:20	11/06/24 04:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.3*		*5 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C5 PFPeA	*92.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C5 PFHxA	*89.3*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C4 PFHpA	*87.7*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C8 PFOA	*85.4*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C9 PFNA	*84.5*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C6 PFDA	*77.9*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C7 PFUnA	*78.6*		*30 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C2 PFDoA	*74.4*		*10 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C2 PFTeDA	*64.8*		*10 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C3 PFBS	*80.9*		*40 - 135*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C3 PFHxS	*83.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C8 PFOS	*88.6*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C8 FOSA	*84.2*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
d3-NMeFOSAA	*86.7*		*40 - 170*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
d5-NEtFOSAA	*82.9*		*25 - 135*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
M2-4:2 FTS	*98.0*		*40 - 200*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
M2-6:2 FTS	*94.2*		*40 - 200*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
M2-8:2 FTS	*86.5*		*40 - 300*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
13C3 HFPO-DA	*87.0*		*40 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
d7-N-MeFOSE-M	*73.7*		*10 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
d9-N-EtFOSE-M	*69.8*		*10 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
d5-NEtPFOSA	*67.7*		*10 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*
d3-NMePFOSA	*65.3*		*10 - 130*	*11/05/24 10:20*	*11/06/24 04:20*	*1*

Lab Sample ID: LCS 280-673719/3-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	36.8		ng/L		92	70 - 140
Perfluoropentanoic acid (PFPeA)	20.0	17.8		ng/L		89	65 - 135
Perfluorohexanoic acid (PFHxA)	20.0	19.0		ng/L		95	70 - 145
Perfluoroheptanoic acid (PFHpA)	20.0	17.4		ng/L		87	70 - 150
Perfluorooctanoic acid (PFOA)	20.0	16.7		ng/L		83	70 - 150
Perfluorononanoic acid (PFNA)	20.0	18.6		ng/L		93	70 - 150
Perfluorodecanoic acid (PFDA)	20.0	17.8		ng/L		89	70 - 140
Perfluoroundecanoic acid (PFUnA)	20.0	16.9		ng/L		84	70 - 145
Perfluorododecanoic acid (PFDoA)	20.0	17.4		ng/L		87	70 - 140
Perfluorotridecanoic acid (PFTrDA)	20.0	18.1		ng/L		90	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	20.0	18.3		ng/L		91	60 - 140

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-673719/3-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	17.8	15.3		ng/L		86	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	18.8	17.7		ng/L		94	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	18.2	16.4		ng/L		90	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	19.0	17.1		ng/L		90	70 - 150
Perfluorooctanesulfonic acid (PFOS)	18.6	16.2		ng/L		87	55 - 150
Perfluorononanesulfonic acid (PFNS)	19.2	16.4		ng/L		85	65 - 145
Perfluorodecanesulfonic acid (PFDS)	19.3	16.6		ng/L		86	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	19.4	15.0		ng/L		77	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	37.4	32.4		ng/L		87	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	37.9	35.0		ng/L		92	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	38.3	34.7		ng/L		90	60 - 150
Perfluorooctanesulfonamide (PFOSA)	20.0	19.0		ng/L		95	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	20.0	19.0		ng/L		95	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	20.0	19.7		ng/L		98	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	20.0	18.6		ng/L		93	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	20.0	19.9		ng/L		100	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	100	93.7		ng/L		94	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	100	91.3		ng/L		91	70 - 135
Perfluoro(2-propoxypropanoic) acid (GenX)	20.0	18.2		ng/L		91	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.9	17.6		ng/L		93	65 - 145
Perfluoro-4-methoxybutanoic acid (PFMBA)	20.0	18.2		ng/L		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	20.0	17.0		ng/L		85	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	20.0	17.6		ng/L		88	55 - 140
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	18.6	16.5		ng/L		88	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	18.8	17.5		ng/L		93	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	17.8	15.7		ng/L		88	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	40.0	34.4		ng/L		86	65 - 130

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-673719/3-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropentylpropanoic acid (5:3 FTCA)	100	85.9		ng/L		86	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	100	79.0		ng/L		79	50 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*86.4*		*5 - 130*
13C5 PFPeA	*85.2*		*40 - 130*
13C5 PFHxA	*84.7*		*40 - 130*
13C4 PFHpA	*84.2*		*40 - 130*
13C8 PFOA	*85.9*		*40 - 130*
13C9 PFNA	*84.2*		*40 - 130*
13C6 PFDA	*83.1*		*40 - 130*
13C7 PFUnA	*81.4*		*30 - 130*
13C2 PFDoA	*75.8*		*10 - 130*
13C2 PFTeDA	*69.9*		*10 - 130*
13C3 PFBS	*83.6*		*40 - 135*
13C3 PFHxS	*80.9*		*40 - 130*
13C8 PFOS	*88.2*		*40 - 130*
13C8 FOSA	*77.0*		*40 - 130*
d3-NMeFOSAA	*83.0*		*40 - 170*
d5-NEtFOSAA	*77.2*		*25 - 135*
M2-4:2 FTS	*91.3*		*40 - 200*
M2-6:2 FTS	*83.6*		*40 - 200*
M2-8:2 FTS	*84.3*		*40 - 300*
13C3 HFPO-DA	*81.2*		*40 - 130*
d7-N-MeFOSE-M	*66.9*		*10 - 130*
d9-N-EtFOSE-M	*66.6*		*10 - 130*
d5-NEtPFOSA	*62.9*		*10 - 130*
d3-NMePFOSA	*65.9*		*10 - 130*

Lab Sample ID: LLCS 280-673719/2-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.67		ng/L		96	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.70		ng/L		93	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.32		ng/L		108	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.01		ng/L		100	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.06		ng/L		77	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.59		ng/L		90	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.47		ng/L		87	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.90		ng/L		98	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.97		ng/L		99	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.56		ng/L		89	65 - 140

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-673719/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 673851
Prep Batch: 673719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.02		ng/L		100	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.56		ng/L		100	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.75	3.56		ng/L		95	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.79		ng/L		104	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.81	3.09		ng/L		81	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.84		ng/L		103	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.19		ng/L		83	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.64		ng/L		94	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.91		ng/L		75	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.08		ng/L		95	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	6.75		ng/L		89	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	6.79		ng/L		89	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.98		ng/L		100	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.01		ng/L		100	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.47		ng/L		112	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.04		ng/L		76	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.29		ng/L		107	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.4		ng/L		102	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	20.0		ng/L		100	70 - 135
Perfluoro(2-propoxypropanoic) acid (GenX)	4.00	4.09		ng/L		102	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.66		ng/L		97	65 - 145
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.78		ng/L		94	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.99		ng/L		100	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.64		ng/L		91	55 - 140
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.73	3.24		ng/L		87	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.77	3.51		ng/L		93	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.37		ng/L		94	70 - 140

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-673719/2-A
Matrix: Water
Analysis Batch: 673851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	6.48		ng/L		81	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	20.0		ng/L		100	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	16.2		ng/L		81	50 - 145

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*87.3*		*5 - 130*
13C5 PFPeA	*84.9*		*40 - 130*
13C5 PFHxA	*82.6*		*40 - 130*
13C4 PFHpA	*78.6*		*40 - 130*
13C8 PFOA	*84.6*		*40 - 130*
13C9 PFNA	*80.2*		*40 - 130*
13C6 PFDA	*79.9*		*40 - 130*
13C7 PFUnA	*74.6*		*30 - 130*
13C2 PFDoA	*74.4*		*10 - 130*
13C2 PFTeDA	*66.0*		*10 - 130*
13C3 PFBS	*78.6*		*40 - 135*
13C3 PFHxS	*76.7*		*40 - 130*
13C8 PFOS	*86.9*		*40 - 130*
13C8 FOSA	*77.6*		*40 - 130*
d3-NMeFOSAA	*80.2*		*40 - 170*
d5-NEtFOSAA	*79.4*		*25 - 135*
M2-4:2 FTS	*90.9*		*40 - 200*
M2-6:2 FTS	*86.2*		*40 - 200*
M2-8:2 FTS	*82.4*		*40 - 300*
13C3 HFPO-DA	*79.7*		*40 - 130*
d7-N-MeFOSE-M	*65.1*		*10 - 130*
d9-N-EtFOSE-M	*64.6*		*10 - 130*
d5-NEtPFOSA	*61.8*		*10 - 130*
d3-NMePFOSA	*60.9*		*10 - 130*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-673456/1-A
Matrix: Water
Analysis Batch: 673795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	4.17	J	100	1.5	ug/L		11/04/24 08:37	11/05/24 00:53	1
Lithium	ND		20	9.1	ug/L		11/04/24 08:37	11/05/24 00:53	1
Silicon	ND		500	16	ug/L		11/04/24 08:37	11/05/24 00:53	1

Lab Sample ID: LCS 280-673456/2-A
Matrix: Water
Analysis Batch: 673795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2000	2160		ug/L		108	86 - 110

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

Lab Sample ID: LCS 280-673456/2-A
Matrix: Water
Analysis Batch: 673795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	1000	1040		ug/L		104	90 - 112
Silicon	10000	10200		ug/L		102	80 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 280-673456/1-A
Matrix: Water
Analysis Batch: 673700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.045	ug/L		11/04/24 08:37	11/04/24 19:49	1
Aluminum	ND		200	8.3	ug/L		11/04/24 08:37	11/04/24 19:49	1
Arsenic	ND		5.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:49	1
Barium	ND		3.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:49	1
Beryllium	ND		1.0	0.30	ug/L		11/04/24 08:37	11/04/24 19:49	1
Calcium	ND		200	32	ug/L		11/04/24 08:37	11/04/24 19:49	1
Cadmium	ND		1.0	0.19	ug/L		11/04/24 08:37	11/04/24 19:49	1
Cobalt	ND		1.0	0.33	ug/L		11/04/24 08:37	11/04/24 19:49	1
Chromium	ND		3.0	0.50	ug/L		11/04/24 08:37	11/04/24 19:49	1
Copper	ND		2.0	0.71	ug/L		11/04/24 08:37	11/04/24 19:49	1
Iron	ND		200	8.7	ug/L		11/04/24 08:37	11/04/24 19:49	1
Potassium	ND		1000	52	ug/L		11/04/24 08:37	11/04/24 19:49	1
Magnesium	ND		200	4.2	ug/L		11/04/24 08:37	11/04/24 19:49	1
Manganese	ND		3.0	0.51	ug/L		11/04/24 08:37	11/04/24 19:49	1
Sodium	188	J	1000	73	ug/L		11/04/24 08:37	11/04/24 19:49	1
Nickel	ND		3.0	0.83	ug/L		11/04/24 08:37	11/04/24 19:49	1
Lead	ND		1.0	0.23	ug/L		11/04/24 08:37	11/04/24 19:49	1
Antimony	ND		2.0	0.40	ug/L		11/04/24 08:37	11/04/24 19:49	1
Selenium	ND		5.0	1.0	ug/L		11/04/24 08:37	11/04/24 19:49	1
Thallium	ND		1.0	0.21	ug/L		11/04/24 08:37	11/04/24 19:49	1
Vanadium	ND		5.0	1.1	ug/L		11/04/24 08:37	11/04/24 19:49	1
Zinc	ND		10	2.0	ug/L		11/04/24 08:37	11/04/24 19:49	1
Molybdenum	0.462	J	2.0	0.37	ug/L		11/04/24 08:37	11/04/24 19:49	1
Strontium	ND		10	0.69	ug/L		11/04/24 08:37	11/04/24 19:49	1
Uranium	ND		1.0	0.030	ug/L		11/04/24 08:37	11/04/24 19:49	1
Thorium	ND		5.0	0.38	ug/L		11/04/24 08:37	11/04/24 19:49	1

Lab Sample ID: LCS 280-673456/25-A
Matrix: Water
Analysis Batch: 673700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	40.0	40.6		ug/L		101	85 - 115
Aluminum	800	774		ug/L		97	80 - 120
Arsenic	40.0	39.9		ug/L		100	85 - 117
Barium	40.0	39.9		ug/L		100	85 - 118
Beryllium	40.0	43.3		ug/L		108	80 - 125
Calcium	1000	1050		ug/L		105	80 - 120
Cadmium	40.0	39.6		ug/L		99	85 - 115

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

Lab Sample ID: LCS 280-673456/25-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673700 — **Prep Batch: 673456**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	40.0	39.4		ug/L		99	85 - 120
Chromium	40.0	39.7		ug/L		99	84 - 121
Copper	40.0	40.7		ug/L		102	85 - 119
Iron	800	886		ug/L		111	80 - 120
Potassium	1000	985	J	ug/L		98	80 - 120
Magnesium	1000	908		ug/L		91	80 - 120
Manganese	40.0	38.7		ug/L		97	85 - 117
Sodium	1000	1020		ug/L		102	80 - 120
Nickel	40.0	39.5		ug/L		99	85 - 119
Lead	40.0	39.7		ug/L		99	85 - 118
Antimony	40.0	40.0		ug/L		100	85 - 115
Selenium	40.0	43.4		ug/L		109	77 - 122
Thallium	40.0	39.6		ug/L		99	85 - 118
Vanadium	40.0	39.6		ug/L		99	85 - 120
Zinc	40.0	40.7		ug/L		102	83 - 122
Molybdenum	40.0	40.6		ug/L		101	85 - 119
Strontium	80.0	78.8		ug/L		99	85 - 117
Uranium	40.0	39.0		ug/L		98	85 - 119
Thorium	40.0	38.5		ug/L		96	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-674334/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674622 — **Prep Batch: 674334**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		11/11/24 11:00	11/11/24 17:19	1

Lab Sample ID: LCS 280-674334/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674622 — **Prep Batch: 674334**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.85		ug/L		97	84 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 280-673494/58 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.029	mg/L			11/02/24 13:33	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 280-673494/59 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673494

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N			2.51	2.50		mg/L		100	90 - 110		

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 280-673469/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673858 — **Prep Batch: 673469**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	ND		1.0	0.69	mg/L		11/02/24 10:36	11/05/24 14:54	1

Lab Sample ID: LCS 280-673469/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673858 — **Prep Batch: 673469**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrogen, Kjeldahl			6.00	6.15		mg/L		103	90 - 110		

Lab Sample ID: LCSD 280-673469/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673858 — **Prep Batch: 673469**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl			6.00	6.10		mg/L		102	90 - 110	1	25

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-673619/20 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			11/04/24 10:46	1

Lab Sample ID: LCS 280-673619/18 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673619

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			1.00	1.01		mg/L		101	90 - 110		

Lab Sample ID: LCSD 280-673619/19 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673619

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N			1.00	1.01		mg/L		101	90 - 110	0	10

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 280-673603/5-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673838 — **Prep Batch: 673603**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	ND		0.050	0.025	mg/L		11/04/24 11:56	11/05/24 12:04	1

Lab Sample ID: LCS 280-673603/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673838 — **Prep Batch: 673603**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	0.500	0.482		mg/L		96	90 - 110

Lab Sample ID: LCSD 280-673603/4-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673838 — **Prep Batch: 673603**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus, Total	0.500	0.490		mg/L		98	90 - 110	2	10

Lab Sample ID: 280-198978-1 MS — **Client Sample ID: 071-07213 Hill Ranch 22-01V**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673838 — **Prep Batch: 673603**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	ND		0.500	0.515		mg/L		103	90 - 110

Lab Sample ID: 280-198978-1 MSD — **Client Sample ID: 071-07213 Hill Ranch 22-01V**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673838 — **Prep Batch: 673603**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phosphorus, Total	ND		0.500	0.541		mg/L		108	90 - 110	5	10

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 280-673901/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.23	mg/L			11/06/24 16:46	1
Chloride	ND		3.0	1.0	mg/L			11/06/24 16:46	1
Fluoride	ND		0.50	0.17	mg/L			11/06/24 16:46	1
Sulfate	ND		5.0	1.0	mg/L			11/06/24 16:46	1

Lab Sample ID: LCS 280-673901/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	4.70		mg/L		94	90 - 110
Chloride	100	96.4		mg/L		96	90 - 110
Fluoride	5.00	4.57		mg/L		91	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 280-673901/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	100	96.2		mg/L		96	90 - 110

Lab Sample ID: LCSD 280-673901/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	5.00	4.73		mg/L		95	90 - 110	1	10
Chloride	100	96.9		mg/L		97	90 - 110	1	10
Fluoride	5.00	4.60		mg/L		92	90 - 110	1	10
Sulfate	100	96.8		mg/L		97	90 - 110	1	10

Lab Sample ID: MRL 280-673901/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673901

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.359	J	mg/L		72	50 - 150
Chloride	5.00	4.77		mg/L		95	50 - 150
Fluoride	0.500	0.516		mg/L		103	50 - 150
Sulfate	5.00	4.78	J	mg/L		96	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-674110/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	ND		10	3.1	mg/L			11/06/24 20:15	1
Bicarbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			11/06/24 20:15	1
Carbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			11/06/24 20:15	1
Hydroxide Alkalinity	ND		10	3.1	mg/L			11/06/24 20:15	1

Lab Sample ID: LCS 280-674110/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	200	189		mg/L		94	89 - 110

Lab Sample ID: LCSD 280-674110/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674110

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	200	191		mg/L		96	89 - 110	1	10

QC Sample Results

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-674006/4
Matrix: Water
Analysis Batch: 674006

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		2.0	2.0	umhos/cm			11/06/24 16:00	1
Electrical Conductivity	ND		2.0	2.0	umhos/cm			11/06/24 16:00	1

Lab Sample ID: LCS 280-674006/3
Matrix: Water
Analysis Batch: 674006

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1430		umhos/cm		102	90 - 110

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

Lab Sample ID: MB 280-673551/1
Matrix: Water
Analysis Batch: 673551

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	4.7	mg/L			11/04/24 09:29	1

Lab Sample ID: LCS 280-673551/2
Matrix: Water
Analysis Batch: 673551

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	500	491		mg/L		98	88 - 114

Lab Sample ID: 280-198978-4 DU
Matrix: Water
Analysis Batch: 673551

Client Sample ID: 071-09629 Apache Canyon 03-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids (TDS)	2200		2160		mg/L		0.4	10

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-673616/1
Matrix: Water
Analysis Batch: 673616

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	1.1	mg/L			11/04/24 12:39	1

Lab Sample ID: LCS 280-673616/2
Matrix: Water
Analysis Batch: 673616

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	504	491		mg/L		97	79 - 114

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-673668/28
Matrix: Water
Analysis Batch: 673668

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH adj. to 25 deg C			7.00	7.0		SU		100	99 - 101		

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 280-673672/11
Matrix: Water
Analysis Batch: 673672

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.050	0.022	mg/L			11/04/24 18:34	1

Lab Sample ID: LCS 280-673672/9
Matrix: Water
Analysis Batch: 673672

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			0.502	0.484		mg/L		97	81 - 122		

Lab Sample ID: LCSD 280-673672/10
Matrix: Water
Analysis Batch: 673672

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
Sulfide			0.502	0.493		mg/L		98	81 - 122	2	10

Lab Sample ID: 280-198978-1 MS
Matrix: Water
Analysis Batch: 673672

Client Sample ID: 071-07213 Hill Ranch 22-01V
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	ND	F1 F2	0.502	0.0299	J F1	mg/L		6	81 - 122		

Lab Sample ID: 280-198978-1 MSD
Matrix: Water
Analysis Batch: 673672

Client Sample ID: 071-07213 Hill Ranch 22-01V
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	ND	F1 F2	0.502	0.0353	J F1 F2	mg/L		7	81 - 122	17	10

Lab Sample ID: 280-198978-3 MS
Matrix: Water
Analysis Batch: 673672

Client Sample ID: 071-09212 Apache Canyon 35-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	ND	F1 F2	0.502	0.0461	J F1	mg/L		9	81 - 122		

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: 280-198978-3 MSD — **Client Sample ID: 071-09212 Apache Canyon 35-10**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	ND	F1 F2	0.502	0.0397	J F1 F2	mg/L		8	81 - 122	15	10

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-674189/35 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	ND		1.0	0.35	mg/L			11/06/24 23:50	1
TOC Result 2	ND		1.0	0.35	mg/L			11/06/24 23:50	1
TOC Result 3	ND		1.0	0.35	mg/L			11/06/24 23:50	1
TOC Result 4	ND		1.0	0.35	mg/L			11/06/24 23:50	1
Total Organic Carbon - Quad	ND		1.0	0.35	mg/L			11/06/24 23:50	1

Lab Sample ID: LCS 280-674189/34 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674189

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOC Result 1	25.0	26.7		mg/L		107	88 - 112
TOC Result 2	25.0	26.7		mg/L		107	88 - 112
TOC Result 3	25.0	26.2		mg/L		105	88 - 112
TOC Result 4	25.0	25.3		mg/L		101	88 - 112
Total Organic Carbon - Quad	25.0	26.2		mg/L		105	88 - 112

Lab Chronicle

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Client Sample ID: 071-07213 Hill Ranch 22-01V

Lab Sample ID: 280-198978-1

Date Collected: 10/28/24 13:20
Date Received: 11/01/24 13:19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674436	11/10/24 13:16	DMC	EET DEN
Total/NA	Prep	3510C			263.1 mL	1 mL	673586	11/04/24 12:15	EDW	EET DEN
Total/NA	Analysis	8270E		1			673729	11/05/24 19:08	MAB	EET DEN
Total/NA	Analysis	8015D		1	5 mL	5 mL	673948	11/06/24 18:49	SJD	EET DEN
Total/NA	Prep	3510C			1040 mL	1 mL	673613	11/04/24 14:28	JES	EET DEN
Total/NA	Analysis	8015D		1			674112	11/07/24 19:39	LKB	EET DEN
Total/NA	Prep	1633			161.4 mL	5 mL	673719	11/05/24 10:20	SRC	EET DEN
Total/NA	Analysis	1633		1	1 mL	1 mL	673851	11/06/24 05:18	ANE	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6010D		1			673795	11/05/24 01:19	NKC	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		1			673700	11/04/24 19:54	LMT	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		50			673888	11/05/24 18:41	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	674334	11/11/24 11:00	CAF	EET DEN
Total/NA	Analysis	7470A		1			674622	11/11/24 17:47	AES	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	673494	11/02/24 13:50	LBR	EET DEN
Total/NA	Prep	351.2			25 mL	25 mL	673469	11/02/24 10:36	CLP	EET DEN
Total/NA	Analysis	351.2		1			673858	11/05/24 14:56	CLP	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	673619	11/04/24 10:53	AKF	EET DEN
Total/NA	Prep	365.2/365.3/365			50 mL	50 mL	673603	11/04/24 11:57	ABW	EET DEN
Total/NA	Analysis	365.1		1	2 mL	2 mL	673838	11/05/24 12:04	ABW	EET DEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	673901	11/06/24 20:04	IRC	EET DEN
Total/NA	Analysis	SM 1030E		1			673749	11/05/24 10:17	LBR	EET DEN
Total/NA	Analysis	SM 2320B		1			674110	11/06/24 22:54	EL	EET DEN
Total/NA	Analysis	SM 2510B		1			674006	11/06/24 16:00	EL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	673551	11/04/24 09:29	BRD	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	673616	11/04/24 12:39	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			673668	11/04/24 15:45	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	673672	11/04/24 18:35	ABW	EET DEN
Total/NA	Analysis	SM 5310B		1	20 mL	20 mL	674189	11/07/24 06:06	GMW	EET DEN
Total/NA	Analysis	Total Nitrogen		1			673873	11/05/24 18:48	S1S	EET DEN

Client Sample ID: 071-09185 Golden Eagle 20-13

Lab Sample ID: 280-198978-2

Date Collected: 10/29/24 10:00
Date Received: 11/01/24 13:19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674401	11/09/24 01:46	CCF	EET DEN
Total/NA	Prep	3510C			264.7 mL	1 mL	673586	11/04/24 12:15	EDW	EET DEN
Total/NA	Analysis	8270E		1			673729	11/05/24 19:29	MAB	EET DEN
Total/NA	Analysis	8015D		1	5 mL	5 mL	673948	11/06/24 19:13	SJD	EET DEN

Client Sample ID: 071-09185 Golden Eagle 20-13

Lab Sample ID: 280-198978-2

Date Collected: 10/29/24 10:00

Matrix: Water

Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1024.8 mL	1 mL	673613	11/04/24 14:28	JES	EET DEN
Total/NA	Analysis	8015D		1			674112	11/07/24 19:59	LKB	EET DEN
Total/NA	Prep	1633			160.4 mL	5 mL	673719	11/05/24 10:20	SRC	EET DEN
Total/NA	Analysis	1633		1	1 mL	1 mL	673851	11/06/24 05:38	ANE	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6010D		1			673795	11/05/24 01:23	NKC	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		1			673700	11/04/24 19:56	LMT	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		50			673888	11/05/24 18:44	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	674334	11/11/24 11:00	CAF	EET DEN
Total/NA	Analysis	7470A		1			674622	11/11/24 17:49	AES	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	673494	11/02/24 13:52	LBR	EET DEN
Total/NA	Prep	351.2			25 mL	25 mL	673469	11/02/24 10:36	CLP	EET DEN
Total/NA	Analysis	351.2		1			673858	11/05/24 14:55	CLP	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	673619	11/04/24 10:58	AKF	EET DEN
Total/NA	Prep	365.2/365.3/365			50 mL	50 mL	673603	11/04/24 11:57	ABW	EET DEN
Total/NA	Analysis	365.1		1	2 mL	2 mL	673838	11/05/24 12:05	ABW	EET DEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	673901	11/06/24 20:26	IRC	EET DEN
Total/NA	Analysis	SM 1030E		1			673749	11/05/24 10:17	LBR	EET DEN
Total/NA	Analysis	SM 2320B		1			674110	11/06/24 23:04	EL	EET DEN
Total/NA	Analysis	SM 2510B		1			674006	11/06/24 16:00	EL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	673551	11/04/24 09:29	BRD	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	673616	11/04/24 12:39	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			673668	11/04/24 15:49	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	673672	11/04/24 18:36	ABW	EET DEN
Total/NA	Analysis	SM 5310B		1	20 mL	20 mL	674189	11/07/24 06:22	GMW	EET DEN
Total/NA	Analysis	Total Nitrogen		1			673873	11/05/24 18:48	S1S	EET DEN

Client Sample ID: 071-09212 Apache Canyon 35-10

Lab Sample ID: 280-198978-3

Date Collected: 10/29/24 11:40

Matrix: Water

Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674401	11/09/24 02:07	CCF	EET DEN
Total/NA	Prep	3510C			257.1 mL	1 mL	673586	11/04/24 12:15	EDW	EET DEN
Total/NA	Analysis	8270E		1			673729	11/05/24 19:51	MAB	EET DEN
Total/NA	Analysis	8015D		1	5 mL	5 mL	673948	11/06/24 22:00	SJD	EET DEN
Total/NA	Prep	3510C			1047.6 mL	1 mL	673613	11/04/24 14:28	JES	EET DEN
Total/NA	Analysis	8015D		1			674112	11/07/24 20:18	LKB	EET DEN
Total/NA	Prep	1633			161.7 mL	5 mL	673719	11/05/24 10:20	SRC	EET DEN
Total/NA	Analysis	1633		1	1 mL	1 mL	673851	11/06/24 05:57	ANE	EET DEN

Lab Chronicle

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Client Sample ID: 071-09212 Apache Canyon 35-10

Lab Sample ID: 280-198978-3

Date Collected: 10/29/24 11:40
Matrix: Water
Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6010D		1			673795	11/05/24 01:27	NKC	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		1			673700	11/04/24 19:59	LMT	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		50			673888	11/05/24 18:46	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	674334	11/11/24 11:00	CAF	EET DEN
Total/NA	Analysis	7470A		1			674622	11/11/24 17:52	AES	EET DEN
Total/NA	Analysis	350.1		5	10 mL	10 mL	673494	11/02/24 13:55	LBR	EET DEN
Total/NA	Prep	351.2			25 mL	25 mL	673469	11/02/24 10:36	CLP	EET DEN
Total/NA	Analysis	351.2		1			673858	11/05/24 14:58	CLP	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	673619	11/04/24 11:00	AKF	EET DEN
Total/NA	Prep	365.2/365.3/365			50 mL	50 mL	673603	11/04/24 11:57	ABW	EET DEN
Total/NA	Analysis	365.1		1	2 mL	2 mL	673838	11/05/24 12:05	ABW	EET DEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	673901	11/06/24 20:48	IRC	EET DEN
Total/NA	Analysis	SM 1030E		1			673749	11/05/24 10:17	LBR	EET DEN
Total/NA	Analysis	SM 2320B		1			674110	11/06/24 23:16	EL	EET DEN
Total/NA	Analysis	SM 2510B		1			674006	11/06/24 16:00	EL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	673551	11/04/24 09:29	BRD	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	673616	11/04/24 12:39	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			673668	11/04/24 15:52	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	673672	11/04/24 18:57	ABW	EET DEN
Total/NA	Analysis	SM 5310B		1	20 mL	20 mL	674189	11/07/24 06:38	GMW	EET DEN
Total/NA	Analysis	Total Nitrogen		1			673873	11/05/24 18:48	S1S	EET DEN

Client Sample ID: 071-09629 Apache Canyon 03-11

Lab Sample ID: 280-198978-4

Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674401	11/09/24 02:28	CCF	EET DEN
Total/NA	Prep	3510C			260.8 mL	1 mL	673586	11/04/24 12:15	EDW	EET DEN
Total/NA	Analysis	8270E		1			673729	11/05/24 20:12	MAB	EET DEN
Total/NA	Analysis	8015D		1	5 mL	5 mL	673948	11/06/24 22:21	SJD	EET DEN
Total/NA	Prep	3510C			1037.1 mL	1 mL	673613	11/04/24 14:28	JES	EET DEN
Total/NA	Analysis	8015D		1			674112	11/07/24 20:38	LKB	EET DEN
Total/NA	Prep	1633			159.5 mL	5 mL	673719	11/05/24 10:20	SRC	EET DEN
Total/NA	Analysis	1633		1	1 mL	1 mL	673851	11/06/24 06:17	ANE	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6010D		1			673795	11/05/24 01:42	NKC	EET DEN
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		1			673700	11/04/24 20:01	LMT	EET DEN

Lab Chronicle

Client: Colorado Oil&Gas Conservation Commision
Project/Site: SB23-186 Lab Services 2024-2025

Job ID: 280-198978-1

Client Sample ID: 071-09629 Apache Canyon 03-11

Lab Sample ID: 280-198978-4
Date Collected: 10/29/24 12:50
Matrix: Water
Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	673456	11/04/24 08:37	SMK	EET DEN
Total/NA	Analysis	6020B		50			673888	11/05/24 18:48	LMT	EET DEN
Total/NA	Prep	7470A			30 mL	50 mL	674334	11/11/24 11:00	CAF	EET DEN
Total/NA	Analysis	7470A		1			674622	11/11/24 17:59	AES	EET DEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	673494	11/02/24 13:57	LBR	EET DEN
Total/NA	Prep	351.2			25 mL	25 mL	673469	11/02/24 10:36	CLP	EET DEN
Total/NA	Analysis	351.2		1			673858	11/05/24 14:56	CLP	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	673619	11/04/24 11:01	AKF	EET DEN
Total/NA	Prep	365.2/365.3/365			50 mL	50 mL	673603	11/04/24 11:57	ABW	EET DEN
Total/NA	Analysis	365.1		1	2 mL	2 mL	673838	11/05/24 12:05	ABW	EET DEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	673901	11/06/24 21:10	IRC	EET DEN
Total/NA	Analysis	9056A		10	10 mL	10 mL	673901	11/06/24 21:21	IRC	EET DEN
Total/NA	Analysis	SM 1030E		1			673749	11/05/24 10:17	LBR	EET DEN
Total/NA	Analysis	SM 2320B		1			674110	11/06/24 23:29	EL	EET DEN
Total/NA	Analysis	SM 2510B		1			674006	11/06/24 16:00	EL	EET DEN
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	673551	11/04/24 09:29	BRD	EET DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	673616	11/04/24 12:39	BRD	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			673668	11/04/24 15:56	EL	EET DEN
Total/NA	Analysis	SM 4500 S2 D		1	2 mL	2 mL	673672	11/04/24 18:37	ABW	EET DEN
Total/NA	Analysis	SM 5310B		1	20 mL	20 mL	674189	11/07/24 06:54	GMW	EET DEN
Total/NA	Analysis	Total Nitrogen		1			673873	11/05/24 18:48	S1S	EET DEN

Client Sample ID: 071-09185 Golden Eagle 20-13EB

Lab Sample ID: 280-198978-5
Date Collected: 10/29/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1633			160.5 mL	5 mL	673719	11/05/24 10:20	SRC	EET DEN
Total/NA	Analysis	1633		1	1 mL	1 mL	673851	11/06/24 06:36	ANE	EET DEN

Client Sample ID: 071-Trip Blank

Lab Sample ID: 280-198978-6
Date Collected: 10/30/24 10:00
Matrix: Water
Date Received: 11/01/24 13:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674451	11/11/24 07:24	MD	EET DEN

Laboratory References:

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

Login Sample Receipt Checklist

Client: Colorado Oil&Gas Conservation Commision

Job Number: 280-198978-1

Login Number: 198978
List Number: 1
Creator: Swegle, Jarod M

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins

Client Information	Sampler: John Cook / Reece Hanson	Lab PM: Braganza, Olivia J	Carrier Tracking No(s):	COC No: 280-144621-39654.1
Client Contact: Rick Allison	Phone: 970-210-9803	E-Mail: Olivia.Braganza@et.eurofinsus.com	State of Origin:	Page: Page __ of __
Company: Colorado Oil&Gas Conservation Commision	PWSID:			Job #:
Address: 1120 Lincoln St. Suite 801	Due Date Requested:			
City: Denver	TAT Requested (days):			
State, Zip: CO, 80203	Compliance Project: Δ Yes Δ No			
Phone: 970-461-2970(Tel)	PO #: 2025 4429			
Email: rick.allison@state.co.us	WO #:			
Project Name: SB23-186 Lab Services 2024-2025	Project #: 28027319			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
D - HNO3
N - None
S - H2SO4
A - HCL
CB - ZnAcetate/NaOH

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)	901.1_Ra - Radium-226/228	8270E - SVOCs	9056A_28D - Anions	6010D, 6020B, 7470A	351.2 - Nitrogen	353.2_Pres - Nitrate-Nitrite	365.1, SM5310B - Total Phosphorus, TOC	350.1 - Ammonia	8015D_GRO - GRO	8015D_DRO - DRO & ORO	2540D - TSS	2540C_Calcd - TDS	SM4500_S2_D - Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	S	S	S	S	A	N	N	N	CB		
071-07213 Hill Ranch 22-01	10/28/24	13:20		Water	N		X	X	X	X	X	X	X	X	X	X	X	X	X	25	See attached for
071-09185 Golden Eagle 20-13	10/29/24	10:00		Water	N		X	X	X	X	X	X	X	X	X	X	X	X	X	25	additional Analysis
071-09212 Apache Canyon 35-10	10/29/24	11:40		Water	N		X	X	X	X	X	X	X	X	X	X	X	X	X	25	
071-09674 Apache Canyon 03-11	10/29/24	12:50		Water	N		X	X	X	X	X	X	X	X	X	X	X	X	X	25	
071-09185 Golden Eagle 20-13EB	10/29/24	10:00		Water	N															3	PFAS
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

280-198978 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
John Cook	11/1/24 10:00	Enselum	[signature]	11/01/24 1319	EET DEN
[signature]	11/1/24 13:20	Enselum	[signature]	~~11/1/24~~	

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.8/4.4/5.3/2.9 IR TUI CF +0.1

Ver: 05/06/2024

Bottle Order Information

Bottle Order: *SB23-186 Lab Services 2024-2025*
Bottle Order #: *39654*
Request From Client: *10/17/2024*
Date Order Posted: *10/17/2024 2:50:02PM*
Order Status: *Ready To Process*
Prepared By: *Allannah Blair*
Deliver By Date: ***10/24/2024 11:59:00PM***
Lab Project Number: *28027319*
PWSID:

Order Completion Information

Creator: *Allannah Blair*
Filled by:
Sent Date:
Sent Via:
Tracking #:

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #
24	1	24	Plastic 1 liter - Nitric Acid	Nitric Acid	901.1_Ra - Radium-226/228	Water	Normal	901 - RAD 226/228	
24	2	48	Amber Glass 250ml - unpreserved	None	8270E - SVOCs	Water	Normal	8270 - SVOCs	
24	2	48	Plastic 250ml - unpreserved	None	9056A_28D - Anions	Water	Normal	9056 - Anions	
24	1	24	Plastic 500ml - with Nitric Acid	Nitric Acid	6020B - Total metals 6010D - Total Metals 7470A - Hg	Water Water Water	Normal Normal Normal	6010,6020,7470 - Metals + Hg	
24	1	24	Amber Glass 500mL - Sulfuric Acid	Sulfuric Acid	351.2 - Nitrogen	Water	Normal	351.2 - TKN	
24	1	24	Amber Glass 500mL - Sulfuric Acid	Sulfuric Acid	353.2_Pres - Nitrate-Nitrite	Water	Normal	353.2 - Nitrate-Nitrite	
24	1	24	Amber Glass 250ml - Sulfuric Acid	Sulfuric Acid	365.1 - Total Phosphorus SM5310B - TOC	Water Water	Normal Normal	365, SM5310 - Total Phosphorus, TOC	
24	1	24	Amber Glass 250ml - Sulfuric Acid	Sulfuric Acid	350.1 - Ammonia	Water	Normal	350 - Ammonia	
24	3	72	Voa Vial 40ml - Hydrochloric Acid	Hydrochloric Acid	8015D_GRO - GRO	Water	Normal	8015 - GRO	
24	2	48	Amber Glass 1 liter - unpreserved	None	8015D_DRO - DRO & ORO	Water	Normal	8015 - DRO	
24	1	24	Plastic 1 liter - unpreserved	None	2540D - TSS	Water	Normal	2540D - TSS	
24	1	24	Plastic 1 liter - unpreserved	None	2540C_Calcd - TDS	Water	Normal	2540C - TDS	
24	1	24	Plastic 250ml - with Zinc Acetate & NaOH	Zinc Acetate and Sodium Hydroxide	SM4500_S2_D - Sulfide	Water	Normal	SM4500 - Sulfide	
24	1	24	Plastic 250ml - unpreserved	None	2320B - Alkalinity SM4500_H+ - pH 2510B - Conductance	Water Water Water	Normal Normal Normal	2320, 2510B, 4500 - pH, Alk, Conductance	
28	3	84	Voa Vial 40ml - Hydrochloric Acid	Hydrochloric Acid	8260D - VOCs	Water	Normal	8260 - VOCs	

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

28	3	84	Plastic 125mL - unpreserved	None	1633_Final - PFAS	Water	Normal	1633 - PFAS	
4	2	8	Voa Vial 40ml - Hydrochloric Acid	Hydrochloric Acid	8015D_GRO - GRO	Water	Trip Blank	8015 - GRO	
4	2	8	Voa Vial 40ml - Hydrochloric Acid	Hydrochloric Acid	8260D - VOCs	Water	Trip Blank	8260 - VOCs	

Total Bottle Summary

Bottle Type Description	Preservative	Bottle Count
Normal		**624**
Amber Glass 1 liter - unpreserved	None	48
Amber Glass 250ml - Sulfuric Acid	Sulfuric Acid	48
Amber Glass 250ml - unpreserved	None	48
Amber Glass 500mL - Sulfuric Acid	Sulfuric Acid	48
Plastic 1 liter - Nitric Acid	Nitric Acid	24
Plastic 1 liter - unpreserved	None	48
Plastic 125mL - unpreserved	None	84
Plastic 250ml - unpreserved	None	72
Plastic 250ml - with Zinc Acetate & NaOH	Zinc Acetate and Sodium Hydroxide	24
Plastic 500ml - with Nitric Acid	Nitric Acid	24
Voa Vial 40ml - Hydrochloric Acid	Hydrochloric Acid	156
Trip Blank		**16**
Voa Vial 40ml - Hydrochloric Acid	Hydrochloric Acid	16
	Total Bottles:	**640**

Notes to Field Staff:

Scan QR code for field sampler instructions

Health and Safety Notes:

Preservative	Comment
Hydrochloric Acid	CAUTION! CONTAINS 1:1 HYDROCHLORIC ACID. Avoid skin and eye contact. If contact is made, FLUSH IMMEDIATELY with water.
Nitric Acid	CAUTION! STRONG OXIDIZER! CONTAINS 1:1 NITRIC ACID. Avoid skin and eye contact. If contact is made, FLUSH IMMEDIATELY with water.
Sulfuric Acid	CAUTION! CONTAINS 1:1 SULFURIC ACID. Avoid skin and eye contact. If contact is made, FLUSH IMMEDIATELY with water.
Zinc Acetate and Sodium Hydroxide	Contains 2N Zinc Acetate. Avoid skin and eye contact. If contact is made, FLUSH IMMEDIATELY with water. CAUTION! STRONG CAUSTIC! CONTAINS SODIUM HYDROXIDE PELLETS. Avoid skin and eye contact. If contact is made, FLUSH IMMEDIATELY with water.

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.