eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Pei Xu, PhD
New Mexico State University
3035 S. Espina Street
Box 30001, MSC-3CE
Las Cruces, New Mexico 88003

Generated 3/21/2024 12:06:11 PM

JOB DESCRIPTION

Water Quality Analysis

JOB NUMBER

830-4968-1

Eurofins El Paso
200 East Sunset Rd.
Suite E
El Paso TX 79922

See page two for job notes and contact information.

my EOL

Eurofins El Paso

Job Notes

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

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

Authorization

Generated
3/21/2024 12:06:11 PM

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 11
Surrogate Summary 24
Isotope Dilution Summary 27
Tracer Carrier Summary 29
QC Sample Results 30
QC Association Summary 78
Lab Chronicle 88
Certification Summary 90
Method Summary 95
Sample Summary 97
Subcontract Data 98
Chain of Custody 99
Receipt Checklists 109

Definitions/Glossary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*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.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.

LCMS

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.
U	Indicates the analyte was analyzed for but not detected.

Dioxin

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

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.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
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.
U	Indicates the analyte was analyzed for but not detected.

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid

Glossary (Continued)

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

Job Narrative
830-4968-1

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

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

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

Receipt
The sample was received on 2/20/2024 3:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions
The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): Post-Treated Water (830-4968-1).
The laboratory received 6 total containers, while the COC lists 8 total containers.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 860-147372 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane (20.5%), Chloroethane (27.3%) and Hexachlorobutadiene (20.5%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-147372/2).

Method 8260D: The matrix spike (MS) recoveries for analytical batch 860-147372 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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_LL: The laboratory control sample (LCS) for preparation batch 860-146819 and analytical batch 860-146841 recovered outside control limits for the following analyte: Benzoic acid. Benzoic acid has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method Organotins_SIM: 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 570-413719. Organotins-W

Method Organotins_SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-413719 and analytical batch 570-414280 recovered outside control limits for the following analytes: Tributyltin.
Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 8270D_SIM: The method blank for preparation batch 860-147011 and analytical batch 860-146993 contained Benzo[g,h,i]perylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270D_SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-147011 and analytical batch 860-146993 recovered outside control limits for the following analytes: Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene.

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

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

Herbicides
Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-146277 and analytical batch 860-146458 recovered outside control limits for the following analytes: 2,4,5-TP (Silvex).

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

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

Pesticides
Method 8081B_LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-147139 and analytical batch 860-146954 recovered outside control limits for the following analytes: Endrin aldehyde. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8141B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 180-460552.

Method 8141B_LL: The continuing calibration verification (CCV) associated with 180-460567 recovered high and outside the control limits for Tributyl phosphate on one column. Results are confirmed on both columns and reported from the passing column. The associated sample is: (CCV 180-460567/18).

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

HPLC/IC
Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-146152 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample (s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-146152 contained Chloride and Sulfate greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Method 8330B: 2,4,6-TNT and Nitrobenzene co-elute on the Synergi-Hydro column (UV/0). The co-eluting peak on the Synergi-Hydro column is designated as Nitrobenzene. The The responses in this calibration and the RSD for Nitrobenzene on the Synergi-Hydro column are not correct. 2,4,6-TNT and Nitrobenzene elute separately on the Luna Phenyl-Hexyl column (UV/2). 2,4,6-TNT and Nitrobenzene are reporting from the Luna Phenyl-Hexyl column.

Post-Treated Water (830-4968-1)

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

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

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

Dioxin
Method 8290A: The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: Post-Treated Water (830-4968-1). IDA passes all ion ratio and signal to noise criteria.

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

Metals
Method 6010D - Dissolved: The method blank for preparation batch 860-147483 and 860-147580 and analytical batch 860-147846 contained Silver above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the

method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry
Method 2540D: The following sample(s) was analyzed outside of analytical holding time due to technician error. Technician overlooks/did not check the backlog for prioritizing hold time samples: Post-Treated Water (830-4968-1).

Method 3500_CR_B: The following sample was received outside of holding time: Post-Treated Water (830-4968-1).

Method 9012B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-148884 and analytical batch 860-148950 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9012B: The instrument blank for analytical batch 860-148950 contained Cyanide greater than the method detection limit (MDL), and were not reanalyzed because the sample holding time had expired. The data have been qualified and reported.

Method 9020B: Breakthrough exceeded 10% for the following sample:Post-Treated Water (830-4968-1).

Method HACH8000_NP: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 860-147428 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chemical Oxygen Demand in the MS/MSD was above the instrument calibration range. The data have been reported.

Method SM4500_S2_D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-147280 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.

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

Job Narrative
830-4968-2

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

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

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

Receipt
The sample was received on 2/20/2024 3:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions
The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): Post-Treated Water (830-4968-1).
The laboratory received 6 total containers, while the COC lists 8 total containers.

Gamma Spectroscopy
Method 901.1_Ra: Gamma 160-649852
The method blank (MB) exhibits activity above the minimum detectable concentration(MDC) for K40. Associated sample(s) have activity below the MDC. The data for the following samples have been reported with this narrative: (MB 160-649852/1-A)

Method 901.1_Ra: Gamma 160-649852
The minimum detectable concentration (MDC) for the method blank (MB) is above the requested limit for Ra226 and Ra228. The activity was not observed in the MB above the MDC or reporting limit (RL). The data for the following sample have been reported with the MDC achieved: (MB 160-649852/1-A)

Method 901.1_Ra: Gamma prep batch 160-649852:

The sample duplicate has bismuth-214 (Ra226) and lead-214 results above the achieved MDCs. This is possibly due to ambient radon present during sample count that was not present during the long monthly background count that is used for background subtraction. This ambient radon could also potentially affect method blank counts, and particularly affects non-soil matrices. Gamma spectroscopy is not very sensitive to radium and daughters (i.e. bismuth-214, lead-214). If the client is concerned with the results and desires a more reliable method for radium, the laboratory suggests EPA method 903.0 if TDS is relatively low

(830-4968-AR-1-B DU)

Method 901.1_Ra: Gamma prep batch 160-649852
The detection goal of 50 pCi/L was not met for Ra226 and Ra228 for the following sample. An elevated MDC can occur when higher background counts are applied to a peak ROI. This is due to the relatively small size of the peak or subsequent “force-fit” of the non-existent peak which resulted in higher than normal background counts due to statistical fluctuations in the Compton baseline. The laboratory does not believe this adversely affects the data, the activity for this analyte is well below the RL and MDC.

Post-Treated Water (830-4968-1)

Method 901.1_Ra: Gamma Prep batch 160-649852
Many isotopes requested by gamma spectrometry analysis do not have any gamma emissions, the gamma emissions they do have are very poor, and/or are reported by assuming secular equilibrium with a longer-lived parent (or vice-versa). For example, Th-232 (which does not have a good gamma-ray) is often reported assuming the shorter-lived Ra-228 daughter is in equilibrium with the Th-232 parent. Or, Pb-214 and/or Bi-214, daughters of potentially volatile Rn-222 in the Ra-226 decay chain, may not be

Job ID: 830-4968-2 (Continued)

in equilibrium with the parent unless sufficient time has been allowed since the break in equilibrium (e.g. 21 days in the case of Ra-226-supported ingrowth). The client should ensure that such inference is acceptable for their sample based upon process knowledge. The following assumptions were made for this report:

Inferred from	Reported to Analyte
Th-234	Pa-234
Th-234	U-238
Pb-210	Po-210
Pb-210	Bi-210
Cs-137	Ba-137m
Pb-212	Po-216
Xe-131m	Xe-131
Sb-125	Te-125m
Ag-108m	Ag-108
Rh-106	Ru-106
Pb-212	Th-228
Pb-212	Ra-224
U-235	Th-231
Ac-228	Th-232
Ac-228	Ra-228
Th-227	Ra-223
Th-227	Ac-227
Th-227	Bi-211
Th-227	Pb-211
Bi-214	Ra-226

Post-Treated Water (830-4968-1) and (830-4968-AR-1-B DU)

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

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

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	<0.00111	U	0.0100	0.00111	mg/L			02/28/24 13:42	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			02/28/24 13:42	1
cis-1,2-Dichloroethene	<0.000457	U	0.00100	0.000457	mg/L			02/28/24 13:42	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			02/28/24 13:42	1
Isopropylbenzene	<0.000592	U	0.00100	0.000592	mg/L			02/28/24 13:42	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			02/28/24 13:42	1
n-Butylbenzene	<0.000510	U	0.00100	0.000510	mg/L			02/28/24 13:42	1
N-Propylbenzene	<0.000429	U	0.00100	0.000429	mg/L			02/28/24 13:42	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			02/28/24 13:42	1
p-Cymene (p-Isopropyltoluene)	<0.000676	U	0.00100	0.000676	mg/L			02/28/24 13:42	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			02/28/24 13:42	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			02/28/24 13:42	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			02/28/24 13:42	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			02/28/24 13:42	1
2-Chlorotoluene	<0.000459	U	0.00200	0.000459	mg/L			02/28/24 13:42	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			02/28/24 13:42	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			02/28/24 13:42	1
2-Hexanone	<0.00745	U	0.0500	0.00745	mg/L			02/28/24 13:42	1
1,1,1-Trichloroethane	<0.000585	U	0.00500	0.000585	mg/L			02/28/24 13:42	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			02/28/24 13:42	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			02/28/24 13:42	1
4-Methyl-2-pentanone	<0.00749	U	0.0500	0.00749	mg/L			02/28/24 13:42	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			02/28/24 13:42	1
Acetonitrile	<0.0146	U	0.100	0.0146	mg/L			02/28/24 13:42	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			02/28/24 13:42	1
Acetone	<0.00307	U	0.100	0.00307	mg/L			02/28/24 13:42	1
1,1-Dichloropropene	<0.000624	U	0.00500	0.000624	mg/L			02/28/24 13:42	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			02/28/24 13:42	1
1,2,3-Trichlorobenzene	<0.00177	U	0.00500	0.00177	mg/L			02/28/24 13:42	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			02/28/24 13:42	1
1,2,3-Trichloropropane	<0.000470	U	0.00100	0.000470	mg/L			02/28/24 13:42	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			02/28/24 13:42	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			02/28/24 13:42	1
1,2-Dibromo-3-Chloropropane	<0.000671	U	0.00500	0.000671	mg/L			02/28/24 13:42	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			02/28/24 13:42	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			02/28/24 13:42	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			02/28/24 13:42	1
Carbon disulfide	<0.00165	U	0.00500	0.00165	mg/L			02/28/24 13:42	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			02/28/24 13:42	1
1,3,5-Trimethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			02/28/24 13:42	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			02/28/24 13:42	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			02/28/24 13:42	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			02/28/24 13:42	1
Cyclohexane	<0.00129	U	0.00500	0.00129	mg/L			02/28/24 13:42	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			02/28/24 13:42	1
2,2-Dichloropropane	<0.000679	U	0.00500	0.000679	mg/L			02/28/24 13:42	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			02/28/24 13:42	1
Iodomethane (Methyl Iodide)	<0.00652	U	0.0200	0.00652	mg/L			02/28/24 13:42	1
Isobutyl alcohol	<0.0171	U	0.0500	0.0171	mg/L			02/28/24 13:42	1

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	<0.00523	U	0.0100	0.00523	mg/L			02/28/24 13:42	1
4-Chlorotoluene	<0.000386	U	0.00100	0.000386	mg/L			02/28/24 13:42	1
Methyl acetate	<0.00401	U	0.0200	0.00401	mg/L			02/28/24 13:42	1
Methylcyclohexane	<0.000608	U	0.0100	0.000608	mg/L			02/28/24 13:42	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			02/28/24 13:42	1
Bromobenzene	<0.000486	U	0.00100	0.000486	mg/L			02/28/24 13:42	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			02/28/24 13:42	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			02/28/24 13:42	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			02/28/24 13:42	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			02/28/24 13:42	1
Tetrahydrofuran	**0.0213**		0.0100	0.00183	mg/L			02/28/24 13:42	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			02/28/24 13:42	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			02/28/24 13:42	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			02/28/24 13:42	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			02/28/24 13:42	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			02/28/24 13:42	1
Vinyl acetate	<0.00214	U	0.0200	0.00214	mg/L			02/28/24 13:42	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			02/28/24 13:42	1
Dichlorodifluoromethane	<0.000785	U	0.00100	0.000785	mg/L			02/28/24 13:42	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			02/28/24 13:42	1
Hexachlorobutadiene	<0.000627	U F1	0.00500	0.000627	mg/L			02/28/24 13:42	1
n-Hexane	<0.000517	U	0.00500	0.000517	mg/L			02/28/24 13:42	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			02/28/24 13:42	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			02/28/24 13:42	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			02/28/24 13:42	1
t-Butyl alcohol	<0.00500	U	0.0500	0.00500	mg/L			02/28/24 13:42	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			02/28/24 13:42	1
trans-1,4-Dichloro-2-butene	<0.00135	U	0.0100	0.00135	mg/L			02/28/24 13:42	1
Styrene	<0.000619	U	0.00100	0.000619	mg/L			02/28/24 13:42	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			02/28/24 13:42	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			02/28/24 13:42	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			02/28/24 13:42	1
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			02/28/24 13:42	1
Allyl Chloride (3-Chloropropene)	<0.000597	U	0.00500	0.000597	mg/L			02/28/24 13:42	1
2-Chloro-1,3-butadiene	<0.000598	U	0.00500	0.000598	mg/L			02/28/24 13:42	1
Propane Nitrile (Propionitrile)	<0.00334	U	0.0100	0.00334	mg/L			02/28/24 13:42	1
Methacrylonitrile	<0.00272	U	0.0100	0.00272	mg/L			02/28/24 13:42	1
Methyl methacrylate	<0.00225	U	0.0100	0.00225	mg/L			02/28/24 13:42	1
Ethyl ether	<0.0100	U	0.100	0.0100	mg/L			02/28/24 13:42	1
Ethyl acetate	<0.000621	U	0.00200	0.000621	mg/L			02/28/24 13:42	1
2-Nitropropane	<0.00336	U	0.0100	0.00336	mg/L			02/28/24 13:42	1
Ethyl methacrylate	<0.00112	U	0.00500	0.00112	mg/L			02/28/24 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 144*		*02/28/24 13:42*	*1*
4-Bromofluorobenzene (Surr)	*110*		*74 - 124*		*02/28/24 13:42*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 131*		*02/28/24 13:42*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*02/28/24 13:42*	*1*

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl acetate	<0.000576	U	0.00500	0.000576	mg/L			02/29/24 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*02/29/24 12:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*02/29/24 12:59*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 131*		*02/29/24 12:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/29/24 12:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		02/26/24 12:19	02/26/24 19:05	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		02/26/24 12:19	02/26/24 19:05	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		02/26/24 12:19	02/26/24 19:05	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		02/26/24 12:19	02/26/24 19:05	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		02/26/24 12:19	02/26/24 19:05	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		02/26/24 12:19	02/26/24 19:05	1
Benzo[g,h,i]perylene	<0.000113	U *1	0.000182	0.000113	mg/L		02/26/24 12:19	02/26/24 19:05	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		02/26/24 12:19	02/26/24 19:05	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		02/26/24 12:19	02/26/24 19:05	1
Dibenz(a,h)anthracene	<0.0000760	U *1	0.000182	0.0000760	mg/L		02/26/24 12:19	02/26/24 19:05	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		02/26/24 12:19	02/26/24 19:05	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		02/26/24 12:19	02/26/24 19:05	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U *1	0.000182	0.0000913	mg/L		02/26/24 12:19	02/26/24 19:05	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		02/26/24 12:19	02/26/24 19:05	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		02/26/24 12:19	02/26/24 19:05	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		02/26/24 12:19	02/26/24 19:05	1
1-Methylnaphthalene	<0.0000795	U	0.000182	0.0000795	mg/L		02/26/24 12:19	02/26/24 19:05	1
2-Methylnaphthalene	<0.0000913	U	0.000182	0.0000913	mg/L		02/26/24 12:19	02/26/24 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*131*		*54 - 146*	*02/26/24 12:19*	*02/26/24 19:05*	*1*
Nitrobenzene-d5 (Surr)	*103*		*46 - 151*	*02/26/24 12:19*	*02/26/24 19:05*	*1*
p-Terphenyl-d14 (Surr)	*77*		*51 - 139*	*02/26/24 12:19*	*02/26/24 19:05*	*1*

Method: SW846 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.680	U	2.00	0.680	ug/L		02/24/24 05:15	02/24/24 15:24	1
1,2-Dichlorobenzene	<0.296	U	2.00	0.296	ug/L		02/24/24 05:15	02/24/24 15:24	1
1,3-Dichlorobenzene	<0.350	U	2.00	0.350	ug/L		02/24/24 05:15	02/24/24 15:24	1
1,4-Dichlorobenzene	<0.428	U	2.00	0.428	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,4,5-Trichlorophenol	<0.108	U	2.00	0.108	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,4,6-Trichlorophenol	<0.135	U	2.00	0.135	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,4-Dichlorophenol	<0.115	U	2.00	0.115	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,4-Dimethylphenol	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,4-Dinitrophenol	<1.46	U	8.00	1.46	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,4-Dinitrotoluene	<0.127	U	2.00	0.127	ug/L		02/24/24 05:15	02/24/24 15:24	1
2,6-Dinitrotoluene	<0.199	U	2.00	0.199	ug/L		02/24/24 05:15	02/24/24 15:24	1
2-Chloronaphthalene	<1.09	U	8.00	1.09	ug/L		02/24/24 05:15	02/24/24 15:24	1
2-Methylnaphthalene	<0.480	U	2.00	0.480	ug/L		02/24/24 05:15	02/24/24 15:24	1
2-Methylphenol	<0.159	U	2.00	0.159	ug/L		02/24/24 05:15	02/24/24 15:24	1

Client Sample ID: Post-Treated Water
Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1
Matrix: Water

Method: SW846 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<0.163	U	4.00	0.163	ug/L		02/24/24 05:15	02/24/24 15:24	1
2-Nitrophenol	<0.135	U	2.00	0.135	ug/L		02/24/24 05:15	02/24/24 15:24	1
3 & 4 Methylphenol	<0.163	U	2.00	0.163	ug/L		02/24/24 05:15	02/24/24 15:24	1
3-Nitroaniline	<0.344	U	2.00	0.344	ug/L		02/24/24 05:15	02/24/24 15:24	1
4,6-Dinitro-2-methylphenol	<0.736	U	8.00	0.736	ug/L		02/24/24 05:15	02/24/24 15:24	1
4-Bromophenyl-phenylether	<0.167	U	2.00	0.167	ug/L		02/24/24 05:15	02/24/24 15:24	1
4-Chloro-3-methylphenol	<0.157	U	2.00	0.157	ug/L		02/24/24 05:15	02/24/24 15:24	1
4-Chloroaniline	<0.149	U	4.00	0.149	ug/L		02/24/24 05:15	02/24/24 15:24	1
4-Chlorophenyl-phenylether	<0.232	U	2.00	0.232	ug/L		02/24/24 05:15	02/24/24 15:24	1
4-Nitroaniline	<0.247	U	4.00	0.247	ug/L		02/24/24 05:15	02/24/24 15:24	1
4-Nitrophenol	<0.531	U	4.00	0.531	ug/L		02/24/24 05:15	02/24/24 15:24	1
Acenaphthene	<0.208	U	2.00	0.208	ug/L		02/24/24 05:15	02/24/24 15:24	1
Acenaphthylene	<0.215	U	2.00	0.215	ug/L		02/24/24 05:15	02/24/24 15:24	1
Aniline (Phenylamine, Aminobenzene)	<0.314	U	4.00	0.314	ug/L		02/24/24 05:15	02/24/24 15:24	1
Anthracene	<0.154	U	2.00	0.154	ug/L		02/24/24 05:15	02/24/24 15:24	1
Benzo[a]anthracene	<0.150	U	2.00	0.150	ug/L		02/24/24 05:15	02/24/24 15:24	1
Benzo[a]pyrene	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 15:24	1
Benzo[b]fluoranthene	<0.210	U	2.00	0.210	ug/L		02/24/24 05:15	02/24/24 15:24	1
Benzo[g,h,i]perylene	<0.143	U	2.00	0.143	ug/L		02/24/24 05:15	02/24/24 15:24	1
Benzo[k]fluoranthene	<0.166	U	2.00	0.166	ug/L		02/24/24 05:15	02/24/24 15:24	1
Benzoic acid	<1.06	U *-	8.00	1.06	ug/L		02/24/24 05:15	02/24/24 15:24	1
Butyl benzyl phthalate	<0.150	U	2.00	0.150	ug/L		02/24/24 05:15	02/24/24 15:24	1
Bis(2-chloroethoxy)methane	<0.170	U	2.00	0.170	ug/L		02/24/24 05:15	02/24/24 15:24	1
Bis(2-chloroethyl)ether	<0.278	U	2.00	0.278	ug/L		02/24/24 05:15	02/24/24 15:24	1
bis(2-chloroisopropyl) ether	<0.139	U	2.00	0.139	ug/L		02/24/24 05:15	02/24/24 15:24	1
Bis(2-ethylhexyl) phthalate	<0.225	U	2.00	0.225	ug/L		02/24/24 05:15	02/24/24 15:24	1
Chrysene	<0.159	U	2.00	0.159	ug/L		02/24/24 05:15	02/24/24 15:24	1
Dibenz(a,h)anthracene	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 15:24	1
Dibenzofuran	<0.336	U	2.00	0.336	ug/L		02/24/24 05:15	02/24/24 15:24	1
Diethyl phthalate	<0.118	U	2.00	0.118	ug/L		02/24/24 05:15	02/24/24 15:24	1
Dimethyl phthalate	**0.490**	**J**	2.00	0.143	ug/L		02/24/24 05:15	02/24/24 15:24	1
Di-n-butyl phthalate	<0.800	U	2.00	0.800	ug/L		02/24/24 05:15	02/24/24 15:24	1
Di-n-octyl phthalate	<0.169	U	2.00	0.169	ug/L		02/24/24 05:15	02/24/24 15:24	1
Fluoranthene	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 15:24	1
Fluorene	<0.205	U	2.00	0.205	ug/L		02/24/24 05:15	02/24/24 15:24	1
Hexachlorobenzene	<0.126	U	2.00	0.126	ug/L		02/24/24 05:15	02/24/24 15:24	1
Hexachlorobutadiene	<0.252	U	2.00	0.252	ug/L		02/24/24 05:15	02/24/24 15:24	1
Hexachlorocyclopentadiene	<0.431	U	2.00	0.431	ug/L		02/24/24 05:15	02/24/24 15:24	1
Hexachloroethane	<0.140	U	2.00	0.140	ug/L		02/24/24 05:15	02/24/24 15:24	1
Indeno[1,2,3-cd]pyrene	<0.852	U	2.00	0.852	ug/L		02/24/24 05:15	02/24/24 15:24	1
Isophorone	<0.168	U	2.00	0.168	ug/L		02/24/24 05:15	02/24/24 15:24	1
Naphthalene	<0.423	U	2.00	0.423	ug/L		02/24/24 05:15	02/24/24 15:24	1
Nitrobenzene	<0.934	U	2.00	0.934	ug/L		02/24/24 05:15	02/24/24 15:24	1
N-Nitrosodi-n-propylamine	<0.161	U	2.00	0.161	ug/L		02/24/24 05:15	02/24/24 15:24	1
N-Nitrosodiphenylamine	<0.155	U	2.00	0.155	ug/L		02/24/24 05:15	02/24/24 15:24	1
Pentachlorophenol	<0.441	U	2.00	0.441	ug/L		02/24/24 05:15	02/24/24 15:24	1
Phenanthrene	<0.176	U	2.00	0.176	ug/L		02/24/24 05:15	02/24/24 15:24	1
Phenol	<0.202	U	4.00	0.202	ug/L		02/24/24 05:15	02/24/24 15:24	1
Pyrene	<0.159	U	2.00	0.159	ug/L		02/24/24 05:15	02/24/24 15:24	1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

Method: SW846 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.725	U	2.00	0.725	ug/L		02/24/24 05:15	02/24/24 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*31 - 132*	*02/24/24 05:15*	*02/24/24 15:24*	*1*
2-Fluorobiphenyl (Surr)	*74*		*40 - 130*	*02/24/24 05:15*	*02/24/24 15:24*	*1*
2-Fluorophenol (Surr)	*36*		*21 - 114*	*02/24/24 05:15*	*02/24/24 15:24*	*1*
Nitrobenzene-d5 (Surr)	*55*		*37 - 130*	*02/24/24 05:15*	*02/24/24 15:24*	*1*
p-Terphenyl-d14 (Surr)	*57*		*20 - 141*	*02/24/24 05:15*	*02/24/24 15:24*	*1*
Phenol-d5 (Surr)	*28*		*16 - 117*	*02/24/24 05:15*	*02/24/24 15:24*	*1*

Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	**1.48**	**J *1**	2.94	1.12	ng/L		02/23/24 17:04	02/26/24 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*69*		*10 - 120*	*02/23/24 17:04*	*02/26/24 19:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1.15**	**J**	5.00	0.988	mg/L			03/08/24 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.988	U	5.00	0.988	mg/L		02/26/24 09:26	03/08/24 15:29	1
Diesel Range Organics (Over C10-C28)	<0.988	U	5.00	0.988	mg/L		02/26/24 09:26	03/08/24 15:29	1
Oil Range Organics (Over C28-C36)	**1.15**	**J**	5.00	0.954	mg/L		02/26/24 09:26	03/08/24 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 135*	*02/26/24 09:26*	*03/08/24 15:29*	*1*
o-Terphenyl	*89*		*70 - 135*	*02/26/24 09:26*	*03/08/24 15:29*	*1*

Method: SW846 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.000000123	U	0.0000100	0.000000123	mg/L		02/27/24 08:18	02/27/24 14:51	1
4,4'-DDE	<0.000000131	U	0.0000100	0.000000131	mg/L		02/27/24 08:18	02/27/24 14:51	1
4,4'-DDT	<0.000000695	U	0.0000200	0.00000695	mg/L		02/27/24 08:18	02/27/24 14:51	1
Aldrin	<0.000000137	U	0.0000100	0.000000137	mg/L		02/27/24 08:18	02/27/24 14:51	1
alpha-BHC	<0.000000143	U	0.00000900	0.000000143	mg/L		02/27/24 08:18	02/27/24 14:51	1
alpha-Chlordane	<0.000000237	U	0.0000100	0.000000237	mg/L		02/27/24 08:18	02/27/24 14:51	1
beta-BHC	<0.00000190	U	0.0000180	0.0000190	mg/L		02/27/24 08:18	02/27/24 14:51	1
Chlorodane	<0.00000851	U	0.000250	0.00000851	mg/L		02/27/24 08:18	02/27/24 14:51	1
delta-BHC	<0.000000387	U	0.000250	0.000000387	mg/L		02/27/24 08:18	02/27/24 14:51	1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0000000806	U	0.0000100	0.0000000806	mg/L		02/27/24 08:18	02/27/24 14:51	1
Endosulfan I	<0.00000014 6	U	0.0000100	0.0000001 46	mg/L		02/27/24 08:18	02/27/24 14:51	1
Endosulfan II	<0.0000000819	U	0.0000100	0.0000000819	mg/L		02/27/24 08:18	02/27/24 14:51	1
Endosulfan sulfate	<0.00000031 2	U	0.0000100	0.0000003 12	mg/L		02/27/24 08:18	02/27/24 14:51	1
Endrin	<0.00000016 8	U	0.0000100	0.0000001 68	mg/L		02/27/24 08:18	02/27/24 14:51	1
Endrin aldehyde	<0.00000038 4	U *+	0.0000100	0.0000003 84	mg/L		02/27/24 08:18	02/27/24 14:51	1
Endrin ketone	<0.00000040 5	U	0.0000100	0.0000004 05	mg/L		02/27/24 08:18	02/27/24 14:51	1
gamma-BHC (Lindane)	<0.00000060 0	U	0.0000100	0.0000006 00	mg/L		02/27/24 08:18	02/27/24 14:51	1
Heptachlor	<0.00000109	U	0.0000090 0	0.0000010 9	mg/L		02/27/24 08:18	02/27/24 14:51	1
Heptachlor epoxide	<0.0000000871	U	0.0000100	0.0000000871	mg/L		02/27/24 08:18	02/27/24 14:51	1
Methoxychlor	<0.00000056 6	U	0.0000200	0.0000005 66	mg/L		02/27/24 08:18	02/27/24 14:51	1
Toxaphene	<0.0000196	U	0.000200	0.0000196	mg/L		02/27/24 08:18	02/27/24 14:51	1
trans-Chlordane	<0.00000059 9	U	0.0000100	0.0000005 99	mg/L		02/27/24 08:18	02/27/24 14:51	1
Mirex	<0.0000200	U	0.0000200	0.0000200	mg/L		02/27/24 08:18	02/27/24 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*15 - 136*	*02/27/24 08:18*	*02/27/24 14:51*	*1*
Tetrachloro-m-xylene	*77*		*18 - 126*	*02/27/24 08:18*	*02/27/24 14:51*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 14:49	1
PCB-1221	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 14:49	1
PCB-1232	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 14:49	1
PCB-1242	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 14:49	1
PCB-1248	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 14:49	1
PCB-1254	<0.00000780	U	0.000200	0.0000078 0	mg/L		02/27/24 08:18	02/27/24 14:49	1
PCB-1260	<0.00000780	U	0.000200	0.0000078 0	mg/L		02/27/24 08:18	02/27/24 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*18 - 116*	*02/27/24 08:18*	*02/27/24 14:49*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*27 - 123*	*02/27/24 08:18*	*02/27/24 14:49*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.00379	U	0.00379	0.00379	mg/L		02/21/24 10:07	02/22/24 18:03	1
MCPP	<0.0561	U	0.712	0.0561	mg/L		02/21/24 10:07	02/22/24 18:03	1
MCPA	<0.0526	U	0.709	0.0526	mg/L		02/21/24 10:07	02/22/24 18:03	1
Dinoseb	<0.000322	U	0.00358	0.000322	mg/L		02/21/24 10:07	02/22/24 18:03	1
Dichlorprop	<0.000398	U	0.00358	0.000398	mg/L		02/21/24 10:07	02/22/24 18:03	1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dicamba	<0.000370	U	0.00356	0.000370	mg/L		02/21/24 10:07	02/22/24 18:03	1
Dalapon	<0.000353	U	0.00345	0.000353	mg/L		02/21/24 10:07	02/22/24 18:03	1
2,4-DB	<0.000346	U	0.00359	0.000346	mg/L		02/21/24 10:07	02/22/24 18:03	1
2,4-D	<0.000390	U	0.00356	0.000390	mg/L		02/21/24 10:07	02/22/24 18:03	1
2,4,5-TP (Silvex)	<0.00156	U *1	0.00361	0.00156	mg/L		02/21/24 10:07	02/22/24 18:03	1
2,4,5-T	<0.000343	U	0.00359	0.000343	mg/L		02/21/24 10:07	02/22/24 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*41 - 131*	*02/21/24 10:07*	*02/22/24 18:03*	*1*

Method: SW846 EPA 8141B - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Guthion	<0.0668	U	0.192	0.0668	ug/L		02/25/24 21:40	02/26/24 14:27	1
Demeton, Total	<0.0470	U	0.385	0.0470	ug/L		02/25/24 21:40	02/26/24 14:27	1
Chlorpyrifos	<0.0832	U	0.192	0.0832	ug/L		02/25/24 21:40	02/26/24 14:27	1
Malathion	<0.0763	U	0.192	0.0763	ug/L		02/25/24 21:40	02/26/24 14:27	1
Diazinon	<0.0752	U	0.192	0.0752	ug/L		02/25/24 21:40	02/26/24 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*104*		*56 - 150*	*02/25/24 21:40*	*02/26/24 14:27*	*1*
Triphenylphosphate	*100*		*67 - 138*	*02/25/24 21:40*	*02/26/24 14:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.204**	**J**	0.500	0.0711	mg/L			02/21/24 20:07	1
Nitrate as N	**0.116**		0.100	0.0391	mg/L			02/21/24 20:07	1
Chloride	**27.2**		0.500	0.250	mg/L			02/21/24 20:07	1
Nitrite as N	**0.343**		0.100	0.0293	mg/L			02/21/24 20:07	1
Sulfate	**8.86**		0.500	0.200	mg/L			02/21/24 20:07	1
Fluoride	<0.100	U	0.500	0.100	mg/L			02/21/24 20:07	1

Method: EPA-01 632 - Carbamate and Urea Pesticides (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.85	U	5.00	1.85	ug/L		02/26/24 14:17	03/01/24 01:45	1

Method: SW846 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HMX	<0.700	U	1.60	0.700	ug/L		02/26/24 10:11	02/27/24 05:35	1
RDX	<0.637	U	1.40	0.637	ug/L		02/26/24 10:11	02/27/24 05:35	1
1,3,5-Trinitrobenzene	<0.460	U	1.00	0.460	ug/L		02/26/24 10:11	02/27/24 05:35	1
Tetryl	<0.398	U	1.60	0.398	ug/L		02/26/24 10:11	02/27/24 05:35	1
1,3-Dinitrobenzene	<0.400	U	1.00	0.400	ug/L		02/26/24 10:11	02/27/24 05:35	1
3,5-Dinitroaniline	<0.377	U	0.900	0.377	ug/L		02/26/24 10:11	02/27/24 05:35	1
Nitroglycerin	<7.54	U	20.0	7.54	ug/L		02/26/24 10:11	02/27/24 05:35	1
2,4,6-Trinitrotoluene	<1.80	U	3.70	1.80	ug/L		02/26/24 10:11	02/27/24 05:35	1
Nitrobenzene	<0.420	U	0.900	0.420	ug/L		02/26/24 10:11	02/27/24 05:35	1
4-Amino-2,6-dinitrotoluene	<0.920	U	2.00	0.920	ug/L		02/26/24 10:11	02/27/24 05:35	1
2-Amino-4,6-dinitrotoluene	<0.426	U	0.850	0.426	ug/L		02/26/24 10:11	02/27/24 05:35	1
2,6-Dinitrotoluene	<0.350	U	0.800	0.350	ug/L		02/26/24 10:11	02/27/24 05:35	1
2,4-Dinitrotoluene	<0.330	U	0.700	0.330	ug/L		02/26/24 10:11	02/27/24 05:35	1
PETN	<10.1	U	23.0	10.1	ug/L		02/26/24 10:11	02/27/24 05:35	1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

Method: SW846 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrotoluene	<0.429	U	0.900	0.429	ug/L		02/26/24 10:11	02/27/24 05:35	1
4-Nitrotoluene	<0.438	U	0.900	0.438	ug/L		02/26/24 10:11	02/27/24 05:35	1
3-Nitrotoluene	<0.378	U	0.800	0.378	ug/L		02/26/24 10:11	02/27/24 05:35	1
2,6-diamino-4-nitrotoluene	<0.931	U	2.00	0.931	ug/L		02/26/24 10:11	02/27/24 05:35	1
2,4-diamino-6-nitrotoluene	<1.04	U	2.10	1.04	ug/L		02/26/24 10:11	02/27/24 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*68 - 122*	*02/26/24 10:11*	*02/27/24 05:35*	*1*
2-Nitro-m-xylene	*100*		*68 - 122*	*02/26/24 10:11*	*02/27/24 05:35*	*1*

Method: Lab SOP VFA - HPLC - Volatile Fatty Acids (HPLC/UV)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caproic acud	**7.35**		2.00	2.00	mg/L			03/14/24 00:22	1
Heptanoic acid	<2.00	U	2.00	2.00	mg/L			03/14/24 00:22	1
Isocaproic acid	<2.00	U	2.00	2.00	mg/L			03/14/24 00:22	1
Isovaleric acid	<2.00	U	2.00	2.00	mg/L			03/14/24 00:22	1
Propionic acid	<2.00	U	2.00	2.00	mg/L			03/14/24 00:22	1
Valeric acid	<2.00	U	2.00	2.00	mg/L			03/14/24 00:22	1
Butyric-Isobutyric Acid	<2.00	U	2.00	2.00	mg/L			03/14/24 00:22	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<0.998	U	2.00	0.998	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluoroheptanoic acid	<0.299	U	2.00	0.299	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorooctanoic acid	**21.5**		2.00	0.299	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorononanoic acid	<0.200	U	2.00	0.200	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorodecanoic acid	**0.812**	**J**	2.00	0.299	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorotridecanoic acid	<0.399	U	2.00	0.399	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorotetradecanoic acid	<0.399	U	2.00	0.399	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorobutanesulfonic acid	<0.299	U	2.00	0.299	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorohexanesulfonic acid	<0.200	U	2.00	0.200	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorooctanesulfonic acid	**0.689**	**J**	2.00	0.499	ng/L		03/05/24 16:06	03/06/24 16:43	1
NEtFOSAA	<0.499	U	2.00	0.499	ng/L		03/05/24 16:06	03/06/24 16:43	1
NMeFOSAA	<0.399	U	2.00	0.399	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluorododecanoic acid	<0.399	U	2.00	0.399	ng/L		03/05/24 16:06	03/06/24 16:43	1
HFPODA	**4.00**		2.00	0.399	ng/L		03/05/24 16:06	03/06/24 16:43	1
9Cl-PF3ONS	<0.499	U	2.00	0.499	ng/L		03/05/24 16:06	03/06/24 16:43	1
11Cl-PF3OUdS	<0.499	U	2.00	0.499	ng/L		03/05/24 16:06	03/06/24 16:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.499	U	2.00	0.499	ng/L		03/05/24 16:06	03/06/24 16:43	1
Perfluoroundecanoic acid	<0.299	U	2.00	0.299	ng/L		03/05/24 16:06	03/06/24 16:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFHxA	*75*		*28 - 166*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C4 PFHpA	*79*		*40 - 165*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C8 PFOA	*76*		*52 - 153*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C9 PFNA	*94*		*52 - 168*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C6 PFDA	*75*		*53 - 151*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C2-PFDoDA	*68*		*22 - 165*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C2 PFTeDA	*55*		*10 - 171*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C3 PFBS	*83*		*34 - 200*	*03/05/24 16:06*	*03/06/24 16:43*	*1*

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 PFHxS	*76*		*48 - 169*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C8 PFOS	*79*		*59 - 155*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
d3-NMeFOSAA	*84*		*38 - 168*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
d5-NEtFOSAA	*72*		*34 - 181*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C3 HFPO-DA	*60*		*13 - 170*	*03/05/24 16:06*	*03/06/24 16:43*	*1*
13C7 PFUnA	*68*		*41 - 163*	*03/05/24 16:06*	*03/06/24 16:43*	*1*

Method: SW846 6850 - Perchlorate by LC/MS or LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.230	U	1.00	0.230	ug/L		02/26/24 09:51	02/28/24 18:45	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	<4.52	U	24.9	4.52	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,4,6,7,8-HpCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,4,7,8-HxCDD	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,4,7,8-HxCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,4,7,8,9-HpCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,6,7,8-HxCDD	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,6,7,8-HxCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,7,8-PeCDD	<3.15	U	24.9	3.15	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,7,8-PeCDF	<2.75	U	24.9	2.75	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,7,8,9-HxCDD	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
1,2,3,7,8,9-HxCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
2,3,4,6,7,8-HxCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
2,3,4,7,8-PeCDF	<2.49	U	24.9	2.49	pg/L		02/27/24 10:17	03/03/24 11:36	1
2,3,7,8-TCDD	<0.870	U	4.98	0.870	pg/L		02/27/24 10:17	03/03/24 11:36	1
2,3,7,8-TCDF	<0.809	U	4.98	0.809	pg/L		02/27/24 10:17	03/03/24 11:36	1
OCDD	<36.1	U	110	36.1	pg/L		02/27/24 10:17	03/03/24 11:36	1
OCDF	<6.13	U	49.8	6.13	pg/L		02/27/24 10:17	03/03/24 11:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*42*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*40*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,4,7,8-HxCDD	*48*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,4,7,8-HxCDF	*49*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*38*	**5-*	*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,6,7,8-HxCDD	*50*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,6,7,8-HxCDF	*48*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,7,8-PeCDD	*53*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,7,8-PeCDF	*53*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,7,8,9-HxCDD	*53*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-1,2,3,7,8,9-HxCDF	*45*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-2,3,4,6,7,8-HxCDF	*47*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-2,3,4,7,8-PeCDF	*55*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-2,3,7,8-TCDD	*58*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-2,3,7,8-TCDF	*52*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-OCDD	*44*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*
13C-OCDF	*40*		*40 - 135*	*02/27/24 10:17*	*03/03/24 11:36*	*1*

Client Sample ID: Post-Treated Water
Lab Sample ID: 830-4968-1

Date Collected: 02/20/24 12:30
Matrix: Water

Date Received: 02/20/24 15:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0529**	**J**	0.200	0.0352	mg/L		02/25/24 12:30	02/27/24 18:49	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		02/25/24 12:30	02/27/24 18:49	1
Arsenic	**0.00820**	**J**	0.0100	0.00650	mg/L		02/25/24 12:30	02/27/24 18:49	1
Barium	**0.00178**	**J**	0.0100	0.00125	mg/L		02/25/24 12:30	02/27/24 18:49	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		02/25/24 12:30	02/27/24 18:49	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		02/25/24 12:30	02/27/24 18:49	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		02/25/24 12:30	02/27/24 18:49	1
Calcium	**2.59**		0.200	0.102	mg/L		02/25/24 12:30	02/27/24 18:49	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		02/25/24 12:30	02/27/24 18:49	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		02/25/24 12:30	02/27/24 18:49	1
Copper	<0.00388	U	0.0200	0.00388	mg/L		02/25/24 12:30	02/27/24 18:49	1
Iron	<0.0283	U	0.200	0.0283	mg/L		02/25/24 12:30	02/27/24 18:49	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		02/25/24 12:30	02/27/24 18:49	1
Magnesium	**0.355**		0.200	0.0445	mg/L		02/25/24 12:30	02/27/24 18:49	1
Manganese	**0.0135**	**J**	0.0200	0.00436	mg/L		02/25/24 12:30	02/27/24 18:49	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		02/25/24 12:30	02/27/24 18:49	1
Nickel	<0.00177	U	0.0100	0.00177	mg/L		02/25/24 12:30	02/27/24 18:49	1
Phosphorus	**0.170**		0.0400	0.0184	mg/L		02/25/24 12:30	02/27/24 18:49	1
Potassium	**1.86**		0.500	0.106	mg/L		02/25/24 12:30	02/27/24 18:49	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		02/25/24 12:30	02/27/24 18:49	1
Silicon	**6.56**		0.500	0.173	mg/L		02/25/24 12:30	02/27/24 18:49	1
Silver	<0.00371	U	0.0200	0.00371	mg/L		02/25/24 12:30	02/27/24 18:49	1
Sodium	**26.4**		0.500	0.152	mg/L		02/25/24 12:30	02/27/24 18:49	1
Strontium	**0.0133**	**J**	0.0200	0.00308	mg/L		02/25/24 12:30	02/27/24 18:49	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		02/25/24 12:30	02/27/24 18:49	1
Tin	<0.00689	U	0.0200	0.00689	mg/L		02/25/24 12:30	02/27/24 18:49	1
Titanium	<0.00397	U	0.0300	0.00397	mg/L		02/25/24 12:30	02/27/24 18:49	1
Vanadium	<0.00518	U	0.0200	0.00518	mg/L		02/25/24 12:30	02/27/24 18:49	1
Zinc	<0.00837	U	0.0300	0.00837	mg/L		02/25/24 12:30	02/27/24 18:49	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		02/25/24 12:30	02/27/24 18:49	1
Phosphate as PO4	**0.521**		0.123	0.0564	mg/L		02/25/24 12:30	02/27/24 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		02/29/24 09:30	03/01/24 13:52	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		02/29/24 09:30	03/01/24 13:52	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		02/29/24 09:30	03/01/24 13:52	1
Barium	**0.00495**	**J**	0.0100	0.00125	mg/L		02/29/24 09:30	03/01/24 13:52	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		02/29/24 09:30	03/01/24 13:52	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		02/29/24 09:30	03/01/24 13:52	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		02/29/24 09:30	03/01/24 13:52	1
Dissolved Calcium	**2.88**		0.200	0.102	mg/L		02/29/24 09:30	03/01/24 13:52	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		02/29/24 09:30	03/01/24 13:52	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		02/29/24 09:30	03/01/24 13:52	1
Copper	<0.00388	U	0.0200	0.00388	mg/L		02/29/24 09:30	03/01/24 13:52	1
Iron	<0.0283	U	0.200	0.0283	mg/L		02/29/24 09:30	03/01/24 13:52	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		02/29/24 09:30	03/01/24 13:52	1
Dissolved Magnesium	**0.430**		0.200	0.0445	mg/L		02/29/24 09:30	03/01/24 13:52	1
Manganese	**0.0136**	**J**	0.0200	0.00436	mg/L		02/29/24 09:30	03/01/24 13:52	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		02/29/24 09:30	03/01/24 13:52	1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00177	U	0.0100	0.00177	mg/L		02/29/24 09:30	03/01/24 13:52	1
P	**0.111**		0.0400	0.0184	mg/L		02/29/24 09:30	03/01/24 13:52	1
Potassium	**1.90**		0.500	0.106	mg/L		02/29/24 09:30	03/01/24 13:52	1
Selenium	**0.0125**	**J**	0.0300	0.00927	mg/L		02/29/24 09:30	03/01/24 13:52	1
Silver	<0.00371	U	0.0200	0.00371	mg/L		02/29/24 09:30	03/01/24 13:52	1
Sodium	**28.9**		0.500	0.152	mg/L		02/29/24 09:30	03/01/24 13:52	1
Strontium	**0.0246**		0.0200	0.00308	mg/L		02/29/24 09:30	03/01/24 13:52	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		02/29/24 09:30	03/01/24 13:52	1
Tin	<0.00689	U	0.0200	0.00689	mg/L		02/29/24 09:30	03/01/24 13:52	1
Titanium	<0.00397	U	0.0300	0.00397	mg/L		02/29/24 09:30	03/01/24 13:52	1
Vanadium	<0.00518	U	0.0200	0.00518	mg/L		02/29/24 09:30	03/01/24 13:52	1
Zinc	<0.00837	U	0.0300	0.00837	mg/L		02/29/24 09:30	03/01/24 13:52	1
SiO2	**14.7**		1.07	0.370	mg/L		02/29/24 09:30	03/01/24 13:52	1
Phosphorus as PO4	**0.340**		0.123	0.0564	mg/L		02/29/24 09:30	03/01/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.000289**	**J**	0.00100	0.000211	mg/L		02/25/24 10:00	02/26/24 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Au	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Dy	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Pr	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Zr	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
La	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Ce	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Nd	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Y	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Tb	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1
Eu	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:35	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Hardness as calcium carbonate	**7.93**		0.400	0.400	mg/L			02/29/24 13:51	1
Total hardness as CaCO3	**7.93**		0.400	0.400	mg/L			02/29/24 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (1664B)	<1.57	U	5.00	1.57	mg/L			02/28/24 15:50	1
Turbidity (EPA 180.1)	**1.4**		1.0	0.50	NTU			02/22/24 08:59	1
Ammonia (EPA 350.1)	<0.0508	U	0.100	0.0508	mg/L			02/29/24 19:15	1
Oxygen, Dissolved (EPA 360.1)	**6.50**	**HF**	1.00	1.00	mg/L			02/22/24 18:01	1
Chemical Oxygen Demand (Hach 8000)	**64.0**		20.0	3.36	mg/L			02/28/24 14:10	1
Ferrous Iron (Hach 8146)	<0.0280	U HF	0.0500	0.0280	mg/L			03/08/24 12:42	1
Cyanide, Total (SW846 9012B)	**8.08**	**H F1 ^2**	5.00	2.00	ug/L		03/08/24 13:54	03/08/24 18:23	1
Halogens, Total Organic (SW846 9020B)	**60.0**		40.0	14.0	ug/L		02/26/24 08:12	02/26/24 12:58	1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**27.3**		4.00	4.00	mg/L			03/04/24 18:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**27.3**		4.00	4.00	mg/L			03/04/24 18:22	1
Specific Conductance (SM 2510B)	**161**		10.0	10.0	umho/cm @ 25C			03/04/24 15:16	1
Total Dissolved Solids (SM 2540C)	**106**		5.00	5.00	mg/L			02/27/24 22:22	1
Total Suspended Solids (SM 2540D)	<6.67	U H	6.67	6.67	mg/L			02/28/24 14:11	1
Ferric Iron (SM 3500)	<0.0280	U	0.0500	0.0280	mg/L			03/10/24 19:23	1
Cr (VI) (SM 3500 CR B)	<0.00200	U H	0.0100	0.00200	mg/L			02/21/24 17:59	1
pH (SM 4500 H+ B)	**9.0**	**HF**			SU			03/12/24 10:36	1
Temperature (SM 4500 H+ B)	**19.0**	**HF**			Degrees C			03/12/24 10:36	1
Sulfide (SM 4500 S2 D)	<0.0400	U F1	0.100	0.0400	mg/L			02/27/24 19:32	1
Total Organic Carbon (SM 5310B)	**9.97**		1.00	0.500	mg/L			03/01/24 07:48	1
Un-ionized Hydrogen Sulfide (SM4500 S2 H)	<5.00	U	5.00	5.00	mg/L			03/21/24 17:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310B)	**3.45**		1.00	0.500	mg/L			03/02/24 23:00	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.827	U	1.16	1.16	3.00	1.95	pCi/L	02/27/24 09:46	03/05/24 07:44	1
Gross Beta	**1.25**		0.600	0.612	4.00	0.841	pCi/L	02/27/24 09:46	03/05/24 07:44	1

Method: EPA 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	40.0	U	86.2	86.3		120	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Actinium-228	19.2	U	38.9	39.0		71.1	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Bismuth-212	46.4	U	126	126		223	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Bismuth-214	-23.3	U	27.9	28.1		99.8	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Lead-210	-87.1	U	221	221		346	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Lead-212	-8.22	U	24.1	24.2		45.6	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Lead-214	-20.6	U	37.7	37.8		50.1	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Potassium-40	-117	U	139	140		253	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Protactinium-231	0.000	U	144	144		1220	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Radium-226	-23.3	U G	27.9	28.1	50.0	99.8	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Radium-228	19.2	U G	38.9	39.0	50.0	71.1	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Thallium-208	-1.86	U	3.03	3.04		19.2	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Thorium-232	19.2	U	38.9	39.0		71.1	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Thorium-234	63.7	U	155	155		372	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Uranium 235	-10.5	U	32.1	32.2		135	pCi/L	02/26/24 15:29	03/18/24 17:09	1
Uranium 238	63.7	U	155	155		372	pCi/L	02/26/24 15:29	03/18/24 17:09	1

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0295	U	0.0468	0.0469	1.00	0.0819	pCi/L	02/26/24 10:37	03/19/24 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*02/26/24 10:37*	*03/19/24 07:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.699**		0.348	0.354	1.00	0.473	pCi/L	02/26/24 10:43	03/11/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*02/26/24 10:43*	*03/11/24 11:44*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/26/24 10:43*	*03/11/24 11:44*	*1*

Method: EPA 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	-0.0248	U	0.193	0.193	3.00	0.353	pCi/L	02/26/24 10:54	03/05/24 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*81.6*		*30 - 110*	*02/26/24 10:54*	*03/05/24 14:56*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/26/24 10:54*	*03/05/24 14:56*	*1*

Surrogate Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
830-4968-1	Post-Treated Water	87	110	106	111
830-4968-1 - RA	Post-Treated Water	99	99	99	100
830-4968-1 MS	Post-Treated Water	84	104	110	104
830-4968-1 MS	Post-Treated Water	98	101	98	101
LCS 860-147372/3	Lab Control Sample	87	104	107	105
LCS 860-147524/1011	Lab Control Sample	101	102	99	102
LCSD 860-147372/4	Lab Control Sample Dup	90	105	109	104
LCSD 860-147524/12	Lab Control Sample Dup	99	102	100	100
MB 860-147372/9	Method Blank	86	111	107	110
MB 860-147524/22	Method Blank	99	99	99	100

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(54-146)	(46-151)	(51-139)
830-4968-1	Post-Treated Water	131	103	77
LCS 860-147011/2-A	Lab Control Sample	132	110	62
LCSD 860-147011/3-A	Lab Control Sample Dup	131	119	59
MB 860-147011/1-A	Method Blank	143	122	100

Surrogate Legend

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

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(31-132)	(40-130)	(21-114)	(37-130)	(20-141)	(16-117)
830-4968-1	Post-Treated Water	95	74	36	55	57	28
LCS 860-146819/2-A	Lab Control Sample	59	61	34	55	87	30
LCSD 860-146819/3-A	Lab Control Sample Dup	60	65	34	53	85	29
MB 860-146819/1-A	Method Blank	43	63	28	48	72	26

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: New Mexico State University
Job ID: 830-4968-1
Project/Site: Water Quality Analysis

Method: Organotins SIM - Organotins (GC/MS SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TPTT
Lab Sample ID	Client Sample ID	(10-120)
830-4968-1	Post-Treated Water	69
LCS 570-413719/2-A	Lab Control Sample	67
LCSD 570-413719/3-A	Lab Control Sample Dup	96
MB 570-413719/1-A	Method Blank	98

Surrogate Legend

TPTT = Tripentyltin

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-135)	(70-135)
830-4968-1	Post-Treated Water	87	89
LCS 860-146976/2-A	Lab Control Sample	96	100
LCSD 860-146976/3-A	Lab Control Sample Dup	94	96
MB 860-146976/1-A	Method Blank	95	104

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Method: 8081B_LL - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(15-136)	(18-126)
830-4968-1	Post-Treated Water	78	77
LCS 860-147139/2-A	Lab Control Sample	121	96
LCSD 860-147139/3-A	Lab Control Sample Dup	116	92
MB 860-147139/1-A	Method Blank	128	100

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(18-116)	(27-123)
830-4968-1	Post-Treated Water	67	87
LCS 860-147139/4-A	Lab Control Sample	100	119
LCSD 860-147139/5-A	Lab Control Sample Dup	101	116
MB 860-147139/1-A	Method Blank	93	119

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Surrogate Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Method: 8151A - Herbicides (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (41-131)
830-4968-1	Post-Treated Water	72
LCS 860-146277/2-A	Lab Control Sample	84
LCSD 860-146277/3-A	Lab Control Sample Dup	80
MB 860-146277/1-A	Method Blank	75

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: EPA 8141B - Organophosphorous Pesticides (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TBPH1 (56-150)	TPP1 (67-138)
830-4968-1	Post-Treated Water	104	100
MB 180-460552/1-A	Method Blank	107	109

Surrogate Legend

TBPH = Tributyl phosphate
TPP = Triphenylphosphate

Method: EPA 8141B - Organophosphorous Pesticides (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TBPH2 (56-150)	TPP1 (67-138)
LCS 180-460552/2-A	Lab Control Sample	119	105
LCSD 180-460552/3-A	Lab Control Sample Dup	111	94

Surrogate Legend

TBPH = Tributyl phosphate
TPP = Triphenylphosphate

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 2NMX1 (68-122)	2NMX2 (68-122)
830-4968-1	Post-Treated Water	100	97
LCS 410-476810/2-A	Lab Control Sample	93	93
LCS 410-476810/4-A	Lab Control Sample	99	97
LCSD 410-476810/3-A	Lab Control Sample Dup	97	96
LCSD 410-476810/5-A	Lab Control Sample Dup	98	96
MB 410-476810/1-A	Method Blank	99	96

Surrogate Legend

2NMX = 2-Nitro-m-xylene

Isotope Dilution Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Method: 537 IDA - EPA 537 Isotope Dilution

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	13C5PHA (28-166)	C4PFHA (40-165)	C8PFOA (52-153)	C9PFNA (52-168)	C6PFDA (53-151)	PFDoDA (22-165)	PFTDA (10-171)	C3PFBS (34-200)
830-4968-1	Post-Treated Water	75	79	76	94	75	68	55	83

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C3PFHS (48-169)	C8PFOS (59-155)	d3NMFOS (38-168)	d5NEFOS (34-181)	HFPODA (13-170)	13C7PUA (41-163)		
830-4968-1	Post-Treated Water	76	79	84	72	60	68		

Surrogate Legend

13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
HFPODA = 13C3 HFPO-DA
13C7PUA = 13C7 PFUnA

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (40-135)	HpCDF (40-135)	HxCDD (40-135)	HxCDF (40-135)	HpCDF2 (40-135)	HxDD (40-135)	HxDF (40-135)	PeCDD (40-135)
830-4968-1	Post-Treated Water	42	40	48	49	38 *5-	50	48	53
LCS 410-477413/2-A	Lab Control Sample	94	97	93	105	92	97	100	86
MB 410-477413/1-A	Method Blank	89	92	85	97	86	90	95	84

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PeCDF (40-135)	13CHxCD (40-135)	HxCF (40-135)	13CHxCF (40-135)	PeCF (40-135)	TCDD (40-135)	TCDF (40-135)	OCDD (40-135)
830-4968-1	Post-Treated Water	53	53	45	47	55	58	52	44
LCS 410-477413/2-A	Lab Control Sample	98	103	96	100	97	97	97	87
MB 410-477413/1-A	Method Blank	93	93	91	93	92	93	97	83

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDF (40-135)
830-4968-1	Post-Treated Water	40
LCS 410-477413/2-A	Lab Control Sample	86
MB 410-477413/1-A	Method Blank	83

Surrogate Legend

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
HxCDD = 13C-1,2,3,4,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF

Isotope Dilution Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

HxDD = 13C-1,2,3,6,7,8-HxCDD
HxDF = 13C-1,2,3,6,7,8-HxCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
13CHxCD = 13C-1,2,3,7,8,9-HxCDD
HxCF = 13C-1,2,3,7,8,9-HxCDF
13CHxCF = 13C-2,3,4,6,7,8-HxCDF
PeCF = 13C-2,3,4,7,8-PeCDF
TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
OCDD = 13C-OCDD
OCDF = 13C-OCDF

Tracer/Carrier Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
830-4968-1	Post-Treated Water	99.7
LCS 160-649792/2-A	Lab Control Sample	104
MB 160-649792/1-A	Method Blank	104

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
830-4968-1	Post-Treated Water	99.7	78.9
LCS 160-649795/2-A	Lab Control Sample	104	78.1
MB 160-649795/1-A	Method Blank	104	81.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 905 - Strontium-90 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Sr (30-110)	Y (30-110)
830-4968-1	Post-Treated Water	81.6	81.1
LCS 160-649797/2-A	Lab Control Sample	84.2	80.0
MB 160-649797/1-A	Method Blank	80.1	84.1

Tracer/Carrier Legend

Sr = Sr Carrier

Y = Y Carrier

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

Lab Sample ID: MB 860-147372/9
Matrix: Water
Analysis Batch: 147372

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	<0.00111	U	0.0100	0.00111	mg/L			02/28/24 13:04	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			02/28/24 13:04	1
cis-1,2-Dichloroethene	<0.000457	U	0.00100	0.000457	mg/L			02/28/24 13:04	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			02/28/24 13:04	1
Isopropylbenzene	<0.000592	U	0.00100	0.000592	mg/L			02/28/24 13:04	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			02/28/24 13:04	1
n-Butylbenzene	<0.000510	U	0.00100	0.000510	mg/L			02/28/24 13:04	1
N-Propylbenzene	<0.000429	U	0.00100	0.000429	mg/L			02/28/24 13:04	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			02/28/24 13:04	1
p-Cymene (p-Isopropyltoluene)	<0.000676	U	0.00100	0.000676	mg/L			02/28/24 13:04	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			02/28/24 13:04	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			02/28/24 13:04	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			02/28/24 13:04	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			02/28/24 13:04	1
2-Chlorotoluene	<0.000459	U	0.00200	0.000459	mg/L			02/28/24 13:04	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			02/28/24 13:04	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			02/28/24 13:04	1
2-Hexanone	<0.00745	U	0.0500	0.00745	mg/L			02/28/24 13:04	1
1,1,1-Trichloroethane	<0.000585	U	0.00500	0.000585	mg/L			02/28/24 13:04	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			02/28/24 13:04	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			02/28/24 13:04	1
4-Methyl-2-pentanone	<0.00749	U	0.0500	0.00749	mg/L			02/28/24 13:04	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			02/28/24 13:04	1
Acetonitrile	<0.0146	U	0.100	0.0146	mg/L			02/28/24 13:04	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			02/28/24 13:04	1
Acetone	<0.00307	U	0.100	0.00307	mg/L			02/28/24 13:04	1
1,1-Dichloropropene	<0.000624	U	0.00500	0.000624	mg/L			02/28/24 13:04	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			02/28/24 13:04	1
1,2,3-Trichlorobenzene	<0.00177	U	0.00500	0.00177	mg/L			02/28/24 13:04	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			02/28/24 13:04	1
1,2,3-Trichloropropane	<0.000470	U	0.00100	0.000470	mg/L			02/28/24 13:04	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			02/28/24 13:04	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			02/28/24 13:04	1
1,2-Dibromo-3-Chloropropane	<0.000671	U	0.00500	0.000671	mg/L			02/28/24 13:04	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			02/28/24 13:04	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			02/28/24 13:04	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			02/28/24 13:04	1
Carbon disulfide	<0.00165	U	0.00500	0.00165	mg/L			02/28/24 13:04	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			02/28/24 13:04	1
1,3,5-Trimethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			02/28/24 13:04	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			02/28/24 13:04	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			02/28/24 13:04	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			02/28/24 13:04	1
Cyclohexane	<0.00129	U	0.00500	0.00129	mg/L			02/28/24 13:04	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			02/28/24 13:04	1
2,2-Dichloropropane	<0.000679	U	0.00500	0.000679	mg/L			02/28/24 13:04	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			02/28/24 13:04	1
Iodomethane (Methyl Iodide)	<0.00652	U	0.0200	0.00652	mg/L			02/28/24 13:04	1

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

Lab Sample ID: MB 860-147372/9
Matrix: Water
Analysis Batch: 147372

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isobutyl alcohol	<0.0171	U	0.0500	0.0171	mg/L			02/28/24 13:04	1
2-Propanol	<0.00523	U	0.0100	0.00523	mg/L			02/28/24 13:04	1
4-Chlorotoluene	<0.000386	U	0.00100	0.000386	mg/L			02/28/24 13:04	1
Methyl acetate	<0.00401	U	0.0200	0.00401	mg/L			02/28/24 13:04	1
Methylcyclohexane	<0.000608	U	0.0100	0.000608	mg/L			02/28/24 13:04	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			02/28/24 13:04	1
Bromobenzene	<0.000486	U	0.00100	0.000486	mg/L			02/28/24 13:04	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			02/28/24 13:04	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			02/28/24 13:04	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			02/28/24 13:04	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			02/28/24 13:04	1
Tetrahydrofuran	<0.00183	U	0.0100	0.00183	mg/L			02/28/24 13:04	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			02/28/24 13:04	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			02/28/24 13:04	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			02/28/24 13:04	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			02/28/24 13:04	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			02/28/24 13:04	1
Vinyl acetate	<0.00214	U	0.0200	0.00214	mg/L			02/28/24 13:04	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			02/28/24 13:04	1
Dichlorodifluoromethane	<0.000785	U	0.00100	0.000785	mg/L			02/28/24 13:04	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			02/28/24 13:04	1
Hexachlorobutadiene	<0.000627	U	0.00500	0.000627	mg/L			02/28/24 13:04	1
n-Hexane	<0.000517	U	0.00500	0.000517	mg/L			02/28/24 13:04	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			02/28/24 13:04	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			02/28/24 13:04	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			02/28/24 13:04	1
t-Butyl alcohol	<0.00500	U	0.0500	0.00500	mg/L			02/28/24 13:04	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			02/28/24 13:04	1
trans-1,4-Dichloro-2-butene	<0.00135	U	0.0100	0.00135	mg/L			02/28/24 13:04	1
Styrene	<0.000619	U	0.00100	0.000619	mg/L			02/28/24 13:04	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			02/28/24 13:04	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			02/28/24 13:04	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			02/28/24 13:04	1
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			02/28/24 13:04	1
Allyl Chloride (3-Chloropropene)	<0.000597	U	0.00500	0.000597	mg/L			02/28/24 13:04	1
2-Chloro-1,3-butadiene	<0.000598	U	0.00500	0.000598	mg/L			02/28/24 13:04	1
Propane Nitrile (Propionitrile)	<0.00334	U	0.0100	0.00334	mg/L			02/28/24 13:04	1
Methacrylonitrile	<0.00272	U	0.0100	0.00272	mg/L			02/28/24 13:04	1
Methyl methacrylate	<0.00225	U	0.0100	0.00225	mg/L			02/28/24 13:04	1
Ethyl ether	<0.0100	U	0.100	0.0100	mg/L			02/28/24 13:04	1
Ethyl acetate	<0.000621	U	0.00200	0.000621	mg/L			02/28/24 13:04	1
2-Nitropropane	<0.00336	U	0.0100	0.00336	mg/L			02/28/24 13:04	1
Ethyl methacrylate	<0.00112	U	0.00500	0.00112	mg/L			02/28/24 13:04	1
Isopropyl acetate	NC		0.00500	0.000576	mg/L			02/28/24 13:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*63 - 144*		*02/28/24 13:04*	*1*
4-Bromofluorobenzene (Surr)	*111*		*74 - 124*		*02/28/24 13:04*	*1*

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

Lab Sample ID: MB 860-147372/9
Matrix: Water
Analysis Batch: 147372

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		75 - 131		02/28/24 13:04	1
Toluene-d8 (Surr)	110		80 - 120		02/28/24 13:04	1

Lab Sample ID: LCS 860-147372/3
Matrix: Water
Analysis Batch: 147372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	0.0500	0.05351		mg/L		107	60 - 140
cis-1,2-Dichloroethene	0.0500	0.05188		mg/L		104	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05521		mg/L		110	74 - 125
Isopropylbenzene	0.0500	0.05154		mg/L		103	75 - 125
m,p-Xylenes	0.0500	0.05223		mg/L		104	75 - 125
n-Butylbenzene	0.0500	0.05201		mg/L		104	75 - 125
N-Propylbenzene	0.0500	0.05144		mg/L		103	75 - 125
o-Xylene	0.0500	0.05163		mg/L		103	75 - 125
p-Cymene (p-Isopropyltoluene)	0.0500	0.05451		mg/L		109	75 - 125
tert-Butylbenzene	0.0500	0.04942		mg/L		99	75 - 125
trans-1,2-Dichloroethene	0.0500	0.05178		mg/L		104	75 - 125
trans-1,3-Dichloropropene	0.0500	0.05019		mg/L		100	66 - 125
2-Chloroethyl vinyl ether	0.0500	0.05560		mg/L		111	50 - 150
2-Chlorotoluene	0.0500	0.05397		mg/L		108	73 - 125
Vinyl chloride	0.0500	0.06597		mg/L		132	60 - 140
1,1,1,2-Tetrachloroethane	0.0500	0.04835		mg/L		97	72 - 125
2-Hexanone	0.250	0.2504		mg/L		100	60 - 140
1,1,1-Trichloroethane	0.0500	0.04915		mg/L		98	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.05756		mg/L		115	74 - 125
1,1,2-Trichloroethane	0.0500	0.05741		mg/L		115	75 - 130
4-Methyl-2-pentanone	0.250	0.2666		mg/L		107	60 - 140
1,1-Dichloroethane	0.0500	0.04629		mg/L		93	71 - 130
Acetonitrile	0.500	0.5675		mg/L		113	60 - 140
1,1-Dichloroethene	0.0500	0.05373		mg/L		107	50 - 150
Acetone	0.250	0.2498		mg/L		100	60 - 140
1,1-Dichloropropene	0.0500	0.05109		mg/L		102	75 - 125
Acrolein	0.250	0.2749		mg/L		110	60 - 140
1,2,3-Trichlorobenzene	0.0500	0.05004		mg/L		100	75 - 137
Acrylonitrile	0.500	0.5682		mg/L		114	60 - 140
1,2,3-Trichloropropane	0.0500	0.05222		mg/L		104	75 - 125
1,2,4-Trichlorobenzene	0.0500	0.05022		mg/L		100	75 - 135
1,2,4-Trimethylbenzene	0.0500	0.04818		mg/L		96	75 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.04698		mg/L		94	59 - 125
1,2-Dibromoethane	0.0500	0.05743		mg/L		115	73 - 125
1,2-Dichlorobenzene	0.0500	0.04760		mg/L		95	75 - 125
1,2-Dichloroethane	0.0500	0.04468		mg/L		89	72 - 130
Carbon disulfide	0.0500	0.05125		mg/L		103	60 - 140
1,2-Dichloropropane	0.0500	0.05488		mg/L		110	74 - 125
1,3,5-Trimethylbenzene	0.0500	0.05077		mg/L		102	60 - 140
1,3-Dichlorobenzene	0.0500	0.04820		mg/L		96	75 - 125

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

Lab Sample ID: LCS 860-147372/3
Matrix: Water
Analysis Batch: 147372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichloropropane	0.0500	0.05617		mg/L		112	75 - 125
1,4-Dichlorobenzene	0.0500	0.04972		mg/L		99	75 - 125
Cyclohexane	0.0500	0.05706		mg/L		114	70 - 130
Dibromomethane	0.0500	0.05518		mg/L		110	69 - 127
2,2-Dichloropropane	0.0500	0.04941		mg/L		99	75 - 125
2-Butanone	0.250	0.2547		mg/L		102	60 - 140
Iodomethane (Methyl Iodide)	0.0500	0.04327		mg/L		87	75 - 125
Isobutyl alcohol	1.24	1.405		mg/L		113	60 - 140
4-Chlorotoluene	0.0500	0.04991		mg/L		100	74 - 125
Methyl acetate	0.100	0.1087		mg/L		109	60 - 140
Methylcyclohexane	0.0500	0.05390		mg/L		108	75 - 125
Benzene	0.0500	0.05985		mg/L		120	75 - 125
Bromobenzene	0.0500	0.04596		mg/L		92	75 - 125
Bromochloromethane	0.0500	0.05127		mg/L		103	60 - 140
Bromodichloromethane	0.0500	0.04958		mg/L		99	75 - 125
Bromoform	0.0500	0.05047		mg/L		101	70 - 130
Bromomethane	0.0500	0.04484		mg/L		90	60 - 140
Tetrahydrofuran	0.100	0.1047		mg/L		105	75 - 125
Carbon tetrachloride	0.0500	0.04729		mg/L		95	70 - 125
Chlorobenzene	0.0500	0.05104		mg/L		102	82 - 135
Chloroethane	0.0500	0.06266		mg/L		125	60 - 140
Chloroform	0.0500	0.05030		mg/L		101	70 - 121
Chloromethane	0.0500	0.05784		mg/L		116	60 - 140
Vinyl acetate	0.250	0.2780		mg/L		111	60 - 140
Dibromochloromethane	0.0500	0.04960		mg/L		99	73 - 125
Dichlorodifluoromethane	0.0500	0.04984		mg/L		100	50 - 150
Ethylbenzene	0.0500	0.05223		mg/L		104	75 - 125
Hexachlorobutadiene	0.0500	0.05085		mg/L		102	75 - 125
n-Hexane	0.0500	0.05695		mg/L		114	72 - 125
MTBE	0.0500	0.04967		mg/L		99	65 - 135
Methylene Chloride	0.0500	0.05593		mg/L		112	71 - 125
Naphthalene	0.0500	0.04718		mg/L		94	70 - 130
t-Butyl alcohol	0.500	0.5039		mg/L		101	65 - 135
sec-Butylbenzene	0.0500	0.05196		mg/L		104	75 - 125
trans-1,4-Dichloro-2-butene	0.0500	0.04685		mg/L		94	70 - 130
Styrene	0.0500	0.05076		mg/L		102	75 - 125
Tetrachloroethene	0.0500	0.05191		mg/L		104	71 - 125
Toluene	0.0500	0.04607		mg/L		92	75 - 130
Trichloroethene	0.0500	0.05098		mg/L		102	75 - 135
Trichlorofluoromethane	0.0500	0.05227		mg/L		105	60 - 140
Allyl Chloride (3-Chloropropene)	0.0500	0.04735		mg/L		95	70 - 130
2-Chloro-1,3-butadiene	0.0500	0.04754		mg/L		95	70 - 130
Propane Nitrile (Propionitrile)	0.500	0.5483		mg/L		110	70 - 130
Methacrylonitrile	0.500	0.5484		mg/L		110	70 - 130
Methyl methacrylate	0.100	0.1129		mg/L		113	70 - 130
Ethyl ether	0.0500	0.05127	J	mg/L		103	70 - 130
Ethyl acetate	0.100	0.09823		mg/L		98	70 - 130
2-Nitropropane	0.100	0.08820		mg/L		88	75 - 125

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

Lab Sample ID: LCS 860-147372/3
Matrix: Water
Analysis Batch: 147372

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 144*
4-Bromofluorobenzene (Surr)	*104*		*74 - 124*
Dibromofluoromethane (Surr)	*107*		*75 - 131*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 860-147372/4
Matrix: Water
Analysis Batch: 147372

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
Freon 113			0.0500	0.05120		mg/L		102	60 - 140	4	25
cis-1,2-Dichloroethene			0.0500	0.04776		mg/L		96	75 - 125	8	25
cis-1,3-Dichloropropene			0.0500	0.05225		mg/L		104	74 - 125	6	25
Isopropylbenzene			0.0500	0.04865		mg/L		97	75 - 125	6	25
m,p-Xylenes			0.0500	0.04986		mg/L		100	75 - 125	5	25
n-Butylbenzene			0.0500	0.05061		mg/L		101	75 - 125	3	25
N-Propylbenzene			0.0500	0.04887		mg/L		98	75 - 125	5	25
o-Xylene			0.0500	0.04927		mg/L		99	75 - 125	5	25
p-Cymene (p-Isopropyltoluene)			0.0500	0.05157		mg/L		103	75 - 125	6	25
tert-Butylbenzene			0.0500	0.04746		mg/L		95	75 - 125	4	25
trans-1,2-Dichloroethene			0.0500	0.04670		mg/L		93	75 - 125	10	25
trans-1,3-Dichloropropene			0.0500	0.04901		mg/L		98	66 - 125	2	25
2-Chloroethyl vinyl ether			0.0500	0.05167		mg/L		103	50 - 150	7	25
2-Chlorotoluene			0.0500	0.05186		mg/L		104	73 - 125	4	25
Vinyl chloride			0.0500	0.06422		mg/L		128	60 - 140	3	25
1,1,1,2-Tetrachloroethane			0.0500	0.04649		mg/L		93	72 - 125	4	25
2-Hexanone			0.250	0.2418		mg/L		97	60 - 140	3	25
1,1,1-Trichloroethane			0.0500	0.04824		mg/L		96	70 - 130	2	25
1,1,2,2-Tetrachloroethane			0.0500	0.05429		mg/L		109	74 - 125	6	25
1,1,2-Trichloroethane			0.0500	0.05335		mg/L		107	75 - 130	7	25
4-Methyl-2-pentanone			0.250	0.2538		mg/L		102	60 - 140	5	25
1,1-Dichloroethane			0.0500	0.04354		mg/L		87	71 - 130	6	25
Acetonitrile			0.500	0.4916		mg/L		98	60 - 140	14	25
1,1-Dichloroethene			0.0500	0.04889		mg/L		98	50 - 150	9	25
Acetone			0.250	0.2258		mg/L		90	60 - 140	10	25
1,1-Dichloropropene			0.0500	0.04873		mg/L		97	75 - 125	5	25
Acrolein			0.250	0.2523		mg/L		101	60 - 140	9	25
1,2,3-Trichlorobenzene			0.0500	0.05045		mg/L		101	75 - 137	1	25
Acrylonitrile			0.500	0.5402		mg/L		108	60 - 140	5	25
1,2,3-Trichloropropane			0.0500	0.05056		mg/L		101	75 - 125	3	25
1,2,4-Trichlorobenzene			0.0500	0.05009		mg/L		100	75 - 135	0	25
1,2,4-Trimethylbenzene			0.0500	0.04674		mg/L		93	75 - 125	3	25
1,2-Dibromo-3-Chloropropane			0.0500	0.04376		mg/L		88	59 - 125	7	25
1,2-Dibromoethane			0.0500	0.05335		mg/L		107	73 - 125	7	25
1,2-Dichlorobenzene			0.0500	0.04448		mg/L		89	75 - 125	7	25
1,2-Dichloroethane			0.0500	0.04279		mg/L		86	72 - 130	4	25
Carbon disulfide			0.0500	0.04799		mg/L		96	60 - 140	7	25
1,2-Dichloropropane			0.0500	0.05484		mg/L		110	74 - 125	0	25

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

Lab Sample ID: LCSD 860-147372/4
Matrix: Water
Analysis Batch: 147372

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	0.0500	0.04794		mg/L		96	60 - 140	6	25
1,3-Dichlorobenzene	0.0500	0.04714		mg/L		94	75 - 125	2	25
1,3-Dichloropropane	0.0500	0.05208		mg/L		104	75 - 125	8	25
1,4-Dichlorobenzene	0.0500	0.04585		mg/L		92	75 - 125	8	25
Cyclohexane	0.0500	0.05248		mg/L		105	70 - 130	8	25
Dibromomethane	0.0500	0.05146		mg/L		103	69 - 127	7	25
2,2-Dichloropropane	0.0500	0.04470		mg/L		89	75 - 125	10	25
2-Butanone	0.250	0.2690		mg/L		108	60 - 140	5	25
Iodomethane (Methyl Iodide)	0.0500	0.04329		mg/L		87	75 - 125	0	25
Isobutyl alcohol	1.24	1.361		mg/L		110	60 - 140	3	25
4-Chlorotoluene	0.0500	0.04786		mg/L		96	74 - 125	4	25
Methyl acetate	0.100	0.1050		mg/L		105	60 - 140	3	25
Methylcyclohexane	0.0500	0.05314		mg/L		106	75 - 125	1	25
Benzene	0.0500	0.05611		mg/L		112	75 - 125	6	25
Bromobenzene	0.0500	0.04605		mg/L		92	75 - 125	0	25
Bromochloromethane	0.0500	0.05209		mg/L		104	60 - 140	2	25
Bromodichloromethane	0.0500	0.04777		mg/L		96	75 - 125	4	25
Bromoform	0.0500	0.04917		mg/L		98	70 - 130	3	25
Bromomethane	0.0500	0.04039		mg/L		81	60 - 140	10	25
Tetrahydrofuran	0.100	0.1011		mg/L		101	75 - 125	3	25
Carbon tetrachloride	0.0500	0.04501		mg/L		90	70 - 125	5	25
Chlorobenzene	0.0500	0.04868		mg/L		97	82 - 135	5	25
Chloroethane	0.0500	0.05950		mg/L		119	60 - 140	5	25
Chloroform	0.0500	0.04761		mg/L		95	70 - 121	5	25
Chloromethane	0.0500	0.05241		mg/L		105	60 - 140	10	25
Vinyl acetate	0.250	0.2777		mg/L		111	60 - 140	0	25
Dibromochloromethane	0.0500	0.04679		mg/L		94	73 - 125	6	25
Dichlorodifluoromethane	0.0500	0.04657		mg/L		93	50 - 150	7	25
Ethylbenzene	0.0500	0.04907		mg/L		98	75 - 125	6	25
Hexachlorobutadiene	0.0500	0.05283		mg/L		106	75 - 125	4	25
n-Hexane	0.0500	0.05585		mg/L		112	72 - 125	2	25
MTBE	0.0500	0.04739		mg/L		95	65 - 135	5	25
Methylene Chloride	0.0500	0.05186		mg/L		104	71 - 125	8	25
Naphthalene	0.0500	0.04909		mg/L		98	70 - 130	4	25
t-Butyl alcohol	0.500	0.5035		mg/L		101	65 - 135	0	25
sec-Butylbenzene	0.0500	0.04914		mg/L		98	75 - 125	6	25
trans-1,4-Dichloro-2-butene	0.0500	0.04455		mg/L		89	70 - 130	5	25
Styrene	0.0500	0.04841		mg/L		97	75 - 125	5	25
Tetrachloroethene	0.0500	0.04849		mg/L		97	71 - 125	7	25
Toluene	0.0500	0.04362		mg/L		87	75 - 130	5	25
Trichloroethene	0.0500	0.04881		mg/L		98	75 - 135	4	25
Trichlorofluoromethane	0.0500	0.04791		mg/L		96	60 - 140	9	25
Allyl Chloride (3-Chloropropene)	0.0500	0.04121		mg/L		82	70 - 130	14	25
2-Chloro-1,3-butadiene	0.0500	0.04437		mg/L		89	70 - 130	7	25
Propane Nitrile (Propionitrile)	0.500	0.5198		mg/L		104	70 - 130	5	25
Methacrylonitrile	0.500	0.5305		mg/L		106	70 - 130	3	25
Methyl methacrylate	0.100	0.1101		mg/L		110	70 - 130	2	25
Ethyl ether	0.0500	0.05057	J	mg/L		101	70 - 130	1	25
Ethyl acetate	0.100	0.09437		mg/L		94	70 - 130	4	25

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

Lab Sample ID: LCSD 860-147372/4
Matrix: Water
Analysis Batch: 147372

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Nitropropane			0.100	0.08440		mg/L		84	75 - 125	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 144*
4-Bromofluorobenzene (Surr)	*105*		*74 - 124*
Dibromofluoromethane (Surr)	*109*		*75 - 131*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 147372

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	<0.00111	U	0.0500	0.05115		mg/L		102	60 - 140
cis-1,2-Dichloroethene	<0.000457	U	0.0500	0.05181		mg/L		104	75 - 125
cis-1,3-Dichloropropene	<0.00107	U	0.0500	0.05481		mg/L		110	74 - 125
Isopropylbenzene	<0.000592	U	0.0500	0.05309		mg/L		106	75 - 125
m,p-Xylenes	<0.00124	U	0.0500	0.05284		mg/L		106	75 - 125
n-Butylbenzene	<0.000510	U	0.0500	0.05554		mg/L		111	75 - 125
N-Propylbenzene	<0.000429	U	0.0500	0.05315		mg/L		106	75 - 125
o-Xylene	<0.000502	U	0.0500	0.05174		mg/L		103	75 - 125
p-Cymene (p-Isopropyltoluene)	<0.000676	U	0.0500	0.05723		mg/L		114	75 - 125
tert-Butylbenzene	<0.000442	U	0.0500	0.05165		mg/L		103	75 - 125
trans-1,2-Dichloroethene	<0.000368	U	0.0500	0.05104		mg/L		102	75 - 125
trans-1,3-Dichloropropene	<0.00127	U	0.0500	0.05130		mg/L		103	66 - 125
2-Chloroethyl vinyl ether	<0.000753	U	0.0500	0.05404		mg/L		108	50 - 150
2-Chlorotoluene	<0.000459	U	0.0500	0.05643		mg/L		113	73 - 125
Vinyl chloride	<0.000428	U	0.0500	0.06475		mg/L		129	60 - 140
1,1,1,2-Tetrachloroethane	<0.000644	U	0.0500	0.04940		mg/L		99	72 - 125
2-Hexanone	<0.00745	U	0.250	0.2528		mg/L		101	60 - 140
1,1,1-Trichloroethane	<0.000585	U	0.0500	0.04913		mg/L		98	75 - 125
1,1,2,2-Tetrachloroethane	<0.000470	U	0.0500	0.05842		mg/L		117	74 - 125
1,1,2-Trichloroethane	<0.000411	U	0.0500	0.05535		mg/L		111	75 - 127
4-Methyl-2-pentanone	<0.00749	U	0.250	0.2588		mg/L		104	60 - 140
1,1-Dichloroethane	<0.000635	U	0.0500	0.04727		mg/L		95	72 - 125
Acetonitrile	<0.0146	U	0.500	0.5293		mg/L		106	60 - 140
1,1-Dichloroethene	<0.000738	U	0.0500	0.04941		mg/L		99	59 - 172
Acetone	<0.00307	U	0.250	0.2715		mg/L		109	60 - 140
1,1-Dichloropropene	<0.000624	U	0.0500	0.05145		mg/L		103	75 - 125
Acrolein	<0.0111	U	0.250	0.2415		mg/L		97	50 - 150
1,2,3-Trichlorobenzene	<0.00177	U	0.0500	0.05818		mg/L		116	75 - 137
Acrylonitrile	<0.0143	U	0.500	0.5707		mg/L		114	50 - 150
1,2,3-Trichloropropane	<0.000470	U	0.0500	0.05452		mg/L		109	75 - 125
1,2,4-Trichlorobenzene	<0.00175	U	0.0500	0.05659		mg/L		113	75 - 135
1,2,4-Trimethylbenzene	<0.000417	U	0.0500	0.05034		mg/L		101	75 - 125
1,2-Dibromo-3-Chloropropane	<0.000671	U	0.0500	0.04830		mg/L		97	59 - 125
1,2-Dibromoethane	<0.000999	U	0.0500	0.05590		mg/L		112	73 - 125
1,2-Dichlorobenzene	<0.000429	U	0.0500	0.04918		mg/L		98	75 - 125

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

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 147372

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	<0.000372	U	0.0500	0.04382		mg/L		88	68 - 127
Carbon disulfide	<0.00165	U	0.0500	0.04987		mg/L		100	60 - 140
1,2-Dichloropropane	<0.000556	U	0.0500	0.05487		mg/L		110	74 - 125
1,3,5-Trimethylbenzene	<0.000411	U	0.0500	0.05126		mg/L		103	70 - 125
1,3-Dichlorobenzene	<0.000413	U	0.0500	0.05222		mg/L		104	75 - 125
1,3-Dichloropropane	<0.000514	U	0.0500	0.05548		mg/L		111	75 - 125
1,4-Dichlorobenzene	<0.000449	U	0.0500	0.05076		mg/L		102	75 - 125
Cyclohexane	<0.00129	U	0.0500	0.05566		mg/L		111	70 - 130
Dibromomethane	<0.000357	U	0.0500	0.05210		mg/L		104	69 - 127
2,2-Dichloropropane	<0.000679	U	0.0500	0.04907		mg/L		98	75 - 125
2-Butanone	<0.00828	U	0.250	0.2681		mg/L		107	60 - 140
Iodomethane (Methyl Iodide)	<0.00652	U	0.0500	0.04465		mg/L		89	75 - 125
Isobutyl alcohol	<0.0171	U	1.24	1.382		mg/L		111	60 - 140
4-Chlorotoluene	<0.000386	U	0.0500	0.05113		mg/L		102	74 - 125
Methyl acetate	<0.00401	U	0.100	0.1092		mg/L		109	60 - 140
Methylcyclohexane	<0.000608	U	0.0500	0.05388		mg/L		108	75 - 125
Benzene	<0.000460	U	0.0500	0.05732		mg/L		115	66 - 142
Bromobenzene	<0.000486	U	0.0500	0.04849		mg/L		97	75 - 125
Bromochloromethane	<0.000577	U	0.0500	0.05194		mg/L		104	60 - 140
Bromodichloromethane	<0.000552	U	0.0500	0.05002		mg/L		100	75 - 125
Bromoform	<0.000633	U	0.0500	0.05082		mg/L		102	75 - 125
Bromomethane	<0.00142	U	0.0500	0.03984		mg/L		80	60 - 140
Tetrahydrofuran	0.0213		0.100	0.1330		mg/L		112	75 - 125
Carbon tetrachloride	<0.000896	U	0.0500	0.04714		mg/L		94	62 - 125
Chlorobenzene	<0.000455	U	0.0500	0.05175		mg/L		104	60 - 133
Chloroethane	<0.00198	U	0.0500	0.06866		mg/L		137	60 - 140
Chloroform	<0.000464	U	0.0500	0.04989		mg/L		100	70 - 130
Chloromethane	<0.00204	U	0.0500	0.05418		mg/L		108	60 - 140
Vinyl acetate	<0.00214	U	0.250	0.2745		mg/L		110	60 - 140
Dibromochloromethane	<0.000547	U	0.0500	0.04798		mg/L		96	73 - 125
Dichlorodifluoromethane	<0.000785	U	0.0500	0.04019		mg/L		80	70 - 130
Ethylbenzene	<0.000385	U	0.0500	0.05187		mg/L		104	75 - 125
Hexachlorobutadiene	<0.000627	U F1	0.0500	0.06318	F1	mg/L		126	75 - 125
n-Hexane	<0.000517	U	0.0500	0.05607		mg/L		112	72 - 125
MTBE	<0.00139	U	0.0500	0.05043		mg/L		101	65 - 135
Methylene Chloride	<0.00173	U	0.0500	0.05420		mg/L		108	75 - 125
Naphthalene	<0.00135	U	0.0500	0.05451		mg/L		109	70 - 130
t-Butyl alcohol	<0.00500	U	0.500	0.5302		mg/L		106	65 - 135
sec-Butylbenzene	<0.000468	U	0.0500	0.05433		mg/L		109	75 - 125
trans-1,4-Dichloro-2-butene	<0.00135	U	0.0500	0.04716		mg/L		94	70 - 130
Styrene	<0.000619	U	0.0500	0.05106		mg/L		102	75 - 125
Tetrachloroethene	<0.000655	U	0.0500	0.05110		mg/L		102	71 - 125
Toluene	<0.000475	U	0.0500	0.04621		mg/L		92	59 - 139
Trichloroethene	<0.00150	U	0.0500	0.04924		mg/L		98	62 - 137
Trichlorofluoromethane	<0.000560	U	0.0500	0.05062		mg/L		101	60 - 140
Allyl Chloride (3-Chloropropene)	<0.000597	U	0.0500	0.05086		mg/L		102	70 - 130
2-Chloro-1,3-butadiene	<0.000598	U	0.0500	0.04494		mg/L		90	70 - 130
Propane Nitrile (Propionitrile)	<0.00334	U	0.500	0.5417		mg/L		108	70 - 130
Methacrylonitrile	<0.00272	U	0.500	0.5522		mg/L		110	70 - 130

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

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 147372

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl methacrylate	<0.00225	U	0.100	0.1101		mg/L		110	70 - 130
Ethyl ether	<0.0100	U	0.0500	0.05339	J	mg/L		107	70 - 130
Ethyl acetate	<0.000621	U	0.100	0.1010		mg/L		101	70 - 130
2-Nitropropane	<0.00336	U	0.100	0.08651		mg/L		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 144*
4-Bromofluorobenzene (Surr)	*104*		*74 - 124*
Dibromofluoromethane (Surr)	*110*		*75 - 131*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 860-147524/22
Matrix: Water
Analysis Batch: 147524

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	<0.00111	U	0.0100	0.00111	mg/L			02/29/24 12:38	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			02/29/24 12:38	1
cis-1,2-Dichloroethene	<0.000457	U	0.00100	0.000457	mg/L			02/29/24 12:38	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			02/29/24 12:38	1
Isopropylbenzene	<0.000592	U	0.00100	0.000592	mg/L			02/29/24 12:38	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			02/29/24 12:38	1
n-Butylbenzene	<0.000510	U	0.00100	0.000510	mg/L			02/29/24 12:38	1
N-Propylbenzene	<0.000429	U	0.00100	0.000429	mg/L			02/29/24 12:38	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			02/29/24 12:38	1
p-Cymene (p-Isopropyltoluene)	<0.000676	U	0.00100	0.000676	mg/L			02/29/24 12:38	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			02/29/24 12:38	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			02/29/24 12:38	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			02/29/24 12:38	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			02/29/24 12:38	1
2-Chlorotoluene	<0.000459	U	0.00200	0.000459	mg/L			02/29/24 12:38	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			02/29/24 12:38	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			02/29/24 12:38	1
2-Hexanone	<0.00745	U	0.0500	0.00745	mg/L			02/29/24 12:38	1
1,1,1-Trichloroethane	<0.000585	U	0.00500	0.000585	mg/L			02/29/24 12:38	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			02/29/24 12:38	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			02/29/24 12:38	1
4-Methyl-2-pentanone	<0.00749	U	0.0500	0.00749	mg/L			02/29/24 12:38	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			02/29/24 12:38	1
Acetonitrile	<0.0146	U	0.100	0.0146	mg/L			02/29/24 12:38	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			02/29/24 12:38	1
Acetone	<0.00307	U	0.100	0.00307	mg/L			02/29/24 12:38	1
1,1-Dichloropropene	<0.000624	U	0.00500	0.000624	mg/L			02/29/24 12:38	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			02/29/24 12:38	1
1,2,3-Trichlorobenzene	<0.00177	U	0.00500	0.00177	mg/L			02/29/24 12:38	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			02/29/24 12:38	1
1,2,3-Trichloropropane	<0.000470	U	0.00100	0.000470	mg/L			02/29/24 12:38	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			02/29/24 12:38	1

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

Lab Sample ID: MB 860-147524/22
Matrix: Water
Analysis Batch: 147524

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			02/29/24 12:38	1
1,2-Dibromo-3-Chloropropane	<0.000671	U	0.00500	0.000671	mg/L			02/29/24 12:38	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			02/29/24 12:38	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			02/29/24 12:38	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			02/29/24 12:38	1
Carbon disulfide	<0.00165	U	0.00500	0.00165	mg/L			02/29/24 12:38	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			02/29/24 12:38	1
1,3,5-Trimethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			02/29/24 12:38	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			02/29/24 12:38	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			02/29/24 12:38	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			02/29/24 12:38	1
Cyclohexane	<0.00129	U	0.00500	0.00129	mg/L			02/29/24 12:38	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			02/29/24 12:38	1
2,2-Dichloropropane	<0.000679	U	0.00500	0.000679	mg/L			02/29/24 12:38	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			02/29/24 12:38	1
Iodomethane (Methyl Iodide)	<0.00652	U	0.0200	0.00652	mg/L			02/29/24 12:38	1
Isobutyl alcohol	<0.0171	U	0.0500	0.0171	mg/L			02/29/24 12:38	1
2-Propanol	<0.00523	U	0.0100	0.00523	mg/L			02/29/24 12:38	1
4-Chlorotoluene	<0.000386	U	0.00100	0.000386	mg/L			02/29/24 12:38	1
Methyl acetate	<0.00401	U	0.0200	0.00401	mg/L			02/29/24 12:38	1
Methylcyclohexane	<0.000608	U	0.0100	0.000608	mg/L			02/29/24 12:38	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			02/29/24 12:38	1
Bromobenzene	<0.000486	U	0.00100	0.000486	mg/L			02/29/24 12:38	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			02/29/24 12:38	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			02/29/24 12:38	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			02/29/24 12:38	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			02/29/24 12:38	1
Tetrahydrofuran	<0.00183	U	0.0100	0.00183	mg/L			02/29/24 12:38	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			02/29/24 12:38	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			02/29/24 12:38	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			02/29/24 12:38	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			02/29/24 12:38	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			02/29/24 12:38	1
Vinyl acetate	<0.00214	U	0.0200	0.00214	mg/L			02/29/24 12:38	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			02/29/24 12:38	1
Dichlorodifluoromethane	<0.000785	U	0.00100	0.000785	mg/L			02/29/24 12:38	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			02/29/24 12:38	1
Hexachlorobutadiene	<0.000627	U	0.00500	0.000627	mg/L			02/29/24 12:38	1
n-Hexane	<0.000517	U	0.00500	0.000517	mg/L			02/29/24 12:38	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			02/29/24 12:38	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			02/29/24 12:38	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			02/29/24 12:38	1
t-Butyl alcohol	<0.00500	U	0.0500	0.00500	mg/L			02/29/24 12:38	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			02/29/24 12:38	1
trans-1,4-Dichloro-2-butene	<0.00135	U	0.0100	0.00135	mg/L			02/29/24 12:38	1
Styrene	<0.000619	U	0.00100	0.000619	mg/L			02/29/24 12:38	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			02/29/24 12:38	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			02/29/24 12:38	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			02/29/24 12:38	1

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

Lab Sample ID: MB 860-147524/22
Matrix: Water
Analysis Batch: 147524

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			02/29/24 12:38	1
Allyl Chloride (3-Chloropropene)	<0.000597	U	0.00500	0.000597	mg/L			02/29/24 12:38	1
2-Chloro-1,3-butadiene	<0.000598	U	0.00500	0.000598	mg/L			02/29/24 12:38	1
Propane Nitrile (Propionitrile)	<0.00334	U	0.0100	0.00334	mg/L			02/29/24 12:38	1
Methacrylonitrile	<0.00272	U	0.0100	0.00272	mg/L			02/29/24 12:38	1
Methyl methacrylate	<0.00225	U	0.0100	0.00225	mg/L			02/29/24 12:38	1
Ethyl ether	<0.0100	U	0.100	0.0100	mg/L			02/29/24 12:38	1
Ethyl acetate	<0.000621	U	0.00200	0.000621	mg/L			02/29/24 12:38	1
2-Nitropropane	<0.00336	U	0.0100	0.00336	mg/L			02/29/24 12:38	1
Ethyl methacrylate	<0.00112	U	0.00500	0.00112	mg/L			02/29/24 12:38	1
Isopropyl acetate	<0.000576	U	0.00500	0.000576	mg/L			02/29/24 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*02/29/24 12:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*02/29/24 12:38*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 131*		*02/29/24 12:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/29/24 12:38*	*1*

Lab Sample ID: LCS 860-147524/1011
Matrix: Water
Analysis Batch: 147524

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 860-147524/12
Matrix: Water
Analysis Batch: 147524

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 147524

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 860-147011/1-A
Matrix: Water
Analysis Batch: 146993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		02/26/24 12:19	02/26/24 14:12	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		02/26/24 12:19	02/26/24 14:12	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		02/26/24 12:19	02/26/24 14:12	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		02/26/24 12:19	02/26/24 14:12	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		02/26/24 12:19	02/26/24 14:12	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		02/26/24 12:19	02/26/24 14:12	1
Benzo[g,h,i]perylene	0.0001780	J	0.000182	0.000113	mg/L		02/26/24 12:19	02/26/24 14:12	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		02/26/24 12:19	02/26/24 14:12	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		02/26/24 12:19	02/26/24 14:12	1
Dibenz(a,h)anthracene	<0.0000760	U	0.000182	0.0000760	mg/L		02/26/24 12:19	02/26/24 14:12	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		02/26/24 12:19	02/26/24 14:12	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		02/26/24 12:19	02/26/24 14:12	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U	0.000182	0.0000913	mg/L		02/26/24 12:19	02/26/24 14:12	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		02/26/24 12:19	02/26/24 14:12	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		02/26/24 12:19	02/26/24 14:12	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		02/26/24 12:19	02/26/24 14:12	1
1-Methylnaphthalene	<0.0000795	U	0.000182	0.0000795	mg/L		02/26/24 12:19	02/26/24 14:12	1
2-Methylnaphthalene	<0.0000913	U	0.000182	0.0000913	mg/L		02/26/24 12:19	02/26/24 14:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*143*		*54 - 146*	*02/26/24 12:19*	*02/26/24 14:12*	*1*
Nitrobenzene-d5 (Surr)	*122*		*46 - 151*	*02/26/24 12:19*	*02/26/24 14:12*	*1*
p-Terphenyl-d14 (Surr)	*100*		*51 - 139*	*02/26/24 12:19*	*02/26/24 14:12*	*1*

Lab Sample ID: LCS 860-147011/2-A
Matrix: Water
Analysis Batch: 146993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147011

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.0182	0.02267		mg/L		125	66 - 174
Acenaphthylene	0.0182	0.02274		mg/L		125	67 - 182
Anthracene	0.0182	0.02149		mg/L		118	55 - 191
Benzo[a]anthracene	0.0182	0.01870		mg/L		103	16 - 171
Benzo[a]pyrene	0.0182	0.01513		mg/L		83	10 - 165
Benzo[b]fluoranthene	0.0182	0.01767		mg/L		97	10 - 166
Benzo[g,h,i]perylene	0.0182	0.01467		mg/L		81	10 - 154
Benzo[k]fluoranthene	0.0182	0.01525		mg/L		84	10 - 178
Chrysene	0.0182	0.01622		mg/L		89	10 - 172
Dibenz(a,h)anthracene	0.0182	0.01561		mg/L		86	10 - 168
Fluoranthene	0.0182	0.02183		mg/L		120	52 - 185
Fluorene	0.0182	0.02407		mg/L		132	64 - 184
Indeno[1,2,3-cd]pyrene	0.0182	0.01517		mg/L		83	10 - 160
Naphthalene	0.0182	0.02200		mg/L		121	66 - 166
Phenanthrene	0.0182	0.02190		mg/L		120	66 - 184
Pyrene	0.0182	0.01956		mg/L		108	58 - 181
1-Methylnaphthalene	0.0182	0.02339		mg/L		129	64 - 167
2-Methylnaphthalene	0.0182	0.02340		mg/L		129	63 - 166

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

Lab Sample ID: LCS 860-147011/2-A
Matrix: Water
Analysis Batch: 146993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147011

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	132		54 - 146
Nitrobenzene-d5 (Surr)	110		46 - 151
p-Terphenyl-d14 (Surr)	62		51 - 139

Lab Sample ID: LCSD 860-147011/3-A
Matrix: Water
Analysis Batch: 146993

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147011

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			0.0182	0.02418		mg/L		133	66 - 174	6	40
Acenaphthylene			0.0182	0.02440		mg/L		134	67 - 182	7	40
Anthracene			0.0182	0.02282		mg/L		125	55 - 191	6	40
Benzo[a]anthracene			0.0182	0.01362		mg/L		75	16 - 171	31	50
Benzo[a]pyrene			0.0182	0.009113		mg/L		50	10 - 165	50	50
Benzo[b]fluoranthene			0.0182	0.01145		mg/L		63	10 - 166	43	50
Benzo[g,h,i]perylene			0.0182	0.008364	*1	mg/L		46	10 - 154	55	50
Benzo[k]fluoranthene			0.0182	0.009523		mg/L		52	10 - 178	46	50
Chrysene			0.0182	0.01113		mg/L		61	10 - 172	37	50
Dibenz(a,h)anthracene			0.0182	0.008677	*1	mg/L		48	10 - 168	57	50
Fluoranthene			0.0182	0.02111		mg/L		116	52 - 185	3	40
Fluorene			0.0182	0.02551		mg/L		140	64 - 184	6	40
Indeno[1,2,3-cd]pyrene			0.0182	0.008656	*1	mg/L		48	10 - 160	55	50
Naphthalene			0.0182	0.02323		mg/L		128	66 - 166	5	40
Phenanthrene			0.0182	0.02299		mg/L		126	66 - 184	5	40
Pyrene			0.0182	0.01880		mg/L		103	58 - 181	4	40
1-Methylnaphthalene			0.0182	0.02506		mg/L		138	64 - 167	7	40
2-Methylnaphthalene			0.0182	0.02498		mg/L		137	63 - 166	7	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	131		54 - 146
Nitrobenzene-d5 (Surr)	119		46 - 151
p-Terphenyl-d14 (Surr)	59		51 - 139

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 860-146819/1-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.680	U	2.00	0.680	ug/L		02/24/24 05:15	02/24/24 10:59	1
1,2-Dichlorobenzene	<0.296	U	2.00	0.296	ug/L		02/24/24 05:15	02/24/24 10:59	1
1,3-Dichlorobenzene	<0.350	U	2.00	0.350	ug/L		02/24/24 05:15	02/24/24 10:59	1
1,4-Dichlorobenzene	<0.428	U	2.00	0.428	ug/L		02/24/24 05:15	02/24/24 10:59	1
2,4,5-Trichlorophenol	<0.108	U	2.00	0.108	ug/L		02/24/24 05:15	02/24/24 10:59	1
2,4,6-Trichlorophenol	<0.135	U	2.00	0.135	ug/L		02/24/24 05:15	02/24/24 10:59	1
2,4-Dichlorophenol	<0.115	U	2.00	0.115	ug/L		02/24/24 05:15	02/24/24 10:59	1
2,4-Dimethylphenol	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 10:59	1

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 860-146819/1-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	<1.46	U	8.00	1.46	ug/L		02/24/24 05:15	02/24/24 10:59	1
2,4-Dinitrotoluene	<0.127	U	2.00	0.127	ug/L		02/24/24 05:15	02/24/24 10:59	1
2,6-Dinitrotoluene	<0.199	U	2.00	0.199	ug/L		02/24/24 05:15	02/24/24 10:59	1
2-Chloronaphthalene	<1.09	U	8.00	1.09	ug/L		02/24/24 05:15	02/24/24 10:59	1
2-Methylnaphthalene	<0.480	U	2.00	0.480	ug/L		02/24/24 05:15	02/24/24 10:59	1
2-Methylphenol	<0.159	U	2.00	0.159	ug/L		02/24/24 05:15	02/24/24 10:59	1
2-Nitroaniline	<0.163	U	4.00	0.163	ug/L		02/24/24 05:15	02/24/24 10:59	1
2-Nitrophenol	<0.135	U	2.00	0.135	ug/L		02/24/24 05:15	02/24/24 10:59	1
3 & 4 Methylphenol	<0.163	U	2.00	0.163	ug/L		02/24/24 05:15	02/24/24 10:59	1
3-Nitroaniline	<0.344	U	2.00	0.344	ug/L		02/24/24 05:15	02/24/24 10:59	1
4,6-Dinitro-2-methylphenol	<0.736	U	8.00	0.736	ug/L		02/24/24 05:15	02/24/24 10:59	1
4-Bromophenyl-phenylether	<0.167	U	2.00	0.167	ug/L		02/24/24 05:15	02/24/24 10:59	1
4-Chloro-3-methylphenol	<0.157	U	2.00	0.157	ug/L		02/24/24 05:15	02/24/24 10:59	1
4-Chloroaniline	<0.149	U	4.00	0.149	ug/L		02/24/24 05:15	02/24/24 10:59	1
4-Chlorophenyl-phenylether	<0.232	U	2.00	0.232	ug/L		02/24/24 05:15	02/24/24 10:59	1
4-Nitroaniline	<0.247	U	4.00	0.247	ug/L		02/24/24 05:15	02/24/24 10:59	1
4-Nitrophenol	<0.531	U	4.00	0.531	ug/L		02/24/24 05:15	02/24/24 10:59	1
Acenaphthene	<0.208	U	2.00	0.208	ug/L		02/24/24 05:15	02/24/24 10:59	1
Acenaphthylene	<0.215	U	2.00	0.215	ug/L		02/24/24 05:15	02/24/24 10:59	1
Aniline (Phenylamine, Aminobenzene)	<0.314	U	4.00	0.314	ug/L		02/24/24 05:15	02/24/24 10:59	1
Anthracene	<0.154	U	2.00	0.154	ug/L		02/24/24 05:15	02/24/24 10:59	1
Benzo[a]anthracene	<0.150	U	2.00	0.150	ug/L		02/24/24 05:15	02/24/24 10:59	1
Benzo[a]pyrene	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 10:59	1
Benzo[b]fluoranthene	<0.210	U	2.00	0.210	ug/L		02/24/24 05:15	02/24/24 10:59	1
Benzo[g,h,i]perylene	<0.143	U	2.00	0.143	ug/L		02/24/24 05:15	02/24/24 10:59	1
Benzo[k]fluoranthene	<0.166	U	2.00	0.166	ug/L		02/24/24 05:15	02/24/24 10:59	1
Benzoic acid	<1.06	U	8.00	1.06	ug/L		02/24/24 05:15	02/24/24 10:59	1
Butyl benzyl phthalate	<0.150	U	2.00	0.150	ug/L		02/24/24 05:15	02/24/24 10:59	1
Bis(2-chloroethoxy)methane	<0.170	U	2.00	0.170	ug/L		02/24/24 05:15	02/24/24 10:59	1
Bis(2-chloroethyl)ether	<0.278	U	2.00	0.278	ug/L		02/24/24 05:15	02/24/24 10:59	1
bis(2-chloroisopropyl) ether	<0.139	U	2.00	0.139	ug/L		02/24/24 05:15	02/24/24 10:59	1
Bis(2-ethylhexyl) phthalate	<0.225	U	2.00	0.225	ug/L		02/24/24 05:15	02/24/24 10:59	1
Chrysene	<0.159	U	2.00	0.159	ug/L		02/24/24 05:15	02/24/24 10:59	1
Dibenz(a,h)anthracene	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 10:59	1
Dibenzofuran	<0.336	U	2.00	0.336	ug/L		02/24/24 05:15	02/24/24 10:59	1
Diethyl phthalate	<0.118	U	2.00	0.118	ug/L		02/24/24 05:15	02/24/24 10:59	1
Dimethyl phthalate	<0.143	U	2.00	0.143	ug/L		02/24/24 05:15	02/24/24 10:59	1
Di-n-butyl phthalate	<0.800	U	2.00	0.800	ug/L		02/24/24 05:15	02/24/24 10:59	1
Di-n-octyl phthalate	<0.169	U	2.00	0.169	ug/L		02/24/24 05:15	02/24/24 10:59	1
Fluoranthene	<0.148	U	2.00	0.148	ug/L		02/24/24 05:15	02/24/24 10:59	1
Fluorene	<0.205	U	2.00	0.205	ug/L		02/24/24 05:15	02/24/24 10:59	1
Hexachlorobenzene	<0.126	U	2.00	0.126	ug/L		02/24/24 05:15	02/24/24 10:59	1
Hexachlorobutadiene	<0.252	U	2.00	0.252	ug/L		02/24/24 05:15	02/24/24 10:59	1
Hexachlorocyclopentadiene	<0.431	U	2.00	0.431	ug/L		02/24/24 05:15	02/24/24 10:59	1
Hexachloroethane	<0.140	U	2.00	0.140	ug/L		02/24/24 05:15	02/24/24 10:59	1
Indeno[1,2,3-cd]pyrene	<0.852	U	2.00	0.852	ug/L		02/24/24 05:15	02/24/24 10:59	1
Isophorone	<0.168	U	2.00	0.168	ug/L		02/24/24 05:15	02/24/24 10:59	1
Naphthalene	<0.423	U	2.00	0.423	ug/L		02/24/24 05:15	02/24/24 10:59	1
Nitrobenzene	<0.934	U	2.00	0.934	ug/L		02/24/24 05:15	02/24/24 10:59	1

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 860-146819/1-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<0.161	U	2.00	0.161	ug/L		02/24/24 05:15	02/24/24 10:59	1
N-Nitrosodiphenylamine	<0.155	U	2.00	0.155	ug/L		02/24/24 05:15	02/24/24 10:59	1
Pentachlorophenol	<0.441	U	2.00	0.441	ug/L		02/24/24 05:15	02/24/24 10:59	1
Phenanthrene	<0.176	U	2.00	0.176	ug/L		02/24/24 05:15	02/24/24 10:59	1
Phenol	<0.202	U	4.00	0.202	ug/L		02/24/24 05:15	02/24/24 10:59	1
Pyrene	<0.159	U	2.00	0.159	ug/L		02/24/24 05:15	02/24/24 10:59	1
Pyridine	<0.725	U	2.00	0.725	ug/L		02/24/24 05:15	02/24/24 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*		*31 - 132*	*02/24/24 05:15*	*02/24/24 10:59*	*1*
2-Fluorobiphenyl (Surr)	*63*		*40 - 130*	*02/24/24 05:15*	*02/24/24 10:59*	*1*
2-Fluorophenol (Surr)	*28*		*21 - 114*	*02/24/24 05:15*	*02/24/24 10:59*	*1*
Nitrobenzene-d5 (Surr)	*48*		*37 - 130*	*02/24/24 05:15*	*02/24/24 10:59*	*1*
p-Terphenyl-d14 (Surr)	*72*		*20 - 141*	*02/24/24 05:15*	*02/24/24 10:59*	*1*
Phenol-d5 (Surr)	*26*		*16 - 117*	*02/24/24 05:15*	*02/24/24 10:59*	*1*

Lab Sample ID: LCS 860-146819/2-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	13.13		ug/L		66	34 - 117
1,2-Dichlorobenzene	20.0	13.08		ug/L		65	38 - 111
1,3-Dichlorobenzene	20.0	12.71		ug/L		64	37 - 111
1,4-Dichlorobenzene	20.0	12.28		ug/L		61	37 - 111
2,4,5-Trichlorophenol	20.0	14.27		ug/L		71	39 - 125
2,4,6-Trichlorophenol	20.0	14.35		ug/L		72	42 - 125
2,4-Dichlorophenol	20.0	13.77		ug/L		69	38 - 120
2,4-Dimethylphenol	20.0	14.33		ug/L		72	39 - 117
2,4-Dinitrophenol	20.0	10.12		ug/L		51	13 - 152
2,4-Dinitrotoluene	20.0	16.14		ug/L		81	41 - 128
2,6-Dinitrotoluene	20.0	15.50		ug/L		77	42 - 127
2-Chloronaphthalene	20.0	13.22		ug/L		66	40 - 118
2-Methylnaphthalene	20.0	13.47		ug/L		67	37 - 112
2-Methylphenol	20.0	11.89		ug/L		59	36 - 125
2-Nitroaniline	20.0	11.60		ug/L		58	34 - 126
2-Nitrophenol	20.0	14.41		ug/L		72	38 - 125
3 & 4 Methylphenol	20.0	11.70		ug/L		59	35 - 116
3-Nitroaniline	20.0	15.45		ug/L		77	42 - 123
4,6-Dinitro-2-methylphenol	20.0	15.64		ug/L		78	12 - 157
4-Bromophenyl-phenylether	20.0	14.08		ug/L		70	40 - 126
4-Chloro-3-methylphenol	20.0	13.61		ug/L		68	40 - 119
4-Chloroaniline	20.0	13.32		ug/L		67	39 - 111
4-Chlorophenyl-phenylether	20.0	13.87		ug/L		69	40 - 122
4-Nitroaniline	20.0	17.59		ug/L		88	42 - 125
4-Nitrophenol	20.0	10.36		ug/L		52	14 - 102
Acenaphthene	20.0	13.43		ug/L		67	41 - 116
Acenaphthylene	20.0	13.76		ug/L		69	41 - 118

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 860-146819/2-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline (Phenylamine, Aminobenzene)	20.0	10.82		ug/L		54	31 - 100
Anthracene	20.0	14.63		ug/L		73	39 - 127
Benzo[a]anthracene	20.0	19.85		ug/L		99	40 - 129
Benzo[a]pyrene	20.0	20.93		ug/L		105	36 - 141
Benzo[b]fluoranthene	20.0	18.91		ug/L		95	34 - 139
Benzo[g,h,i]perylene	20.0	24.96		ug/L		125	32 - 141
Benzo[k]fluoranthene	20.0	18.90		ug/L		95	31 - 139
Benzoic acid	60.0	15.85	*-	ug/L		26	27 - 195
Butyl benzyl phthalate	20.0	19.15		ug/L		96	44 - 133
Bis(2-chloroethoxy)methane	20.0	13.20		ug/L		66	36 - 113
Bis(2-chloroethyl)ether	20.0	12.66		ug/L		63	38 - 111
bis(2-chloroisopropyl) ether	20.0	10.84		ug/L		54	10 - 150
Bis(2-ethylhexyl) phthalate	20.0	15.85		ug/L		79	44 - 136
Chrysene	20.0	19.88		ug/L		99	41 - 124
Dibenz(a,h)anthracene	20.0	24.06		ug/L		120	35 - 143
Dibenzofuran	20.0	13.78		ug/L		69	41 - 119
Diethyl phthalate	20.0	14.54		ug/L		73	41 - 125
Dimethyl phthalate	20.0	14.44		ug/L		72	42 - 123
Di-n-butyl phthalate	20.0	17.83		ug/L		89	41 - 133
Di-n-octyl phthalate	20.0	14.25		ug/L		71	34 - 145
Fluoranthene	20.0	18.95		ug/L		95	38 - 132
Fluorene	20.0	14.19		ug/L		71	41 - 121
Hexachlorobenzene	20.0	14.40		ug/L		72	39 - 128
Hexachlorobutadiene	20.0	12.93		ug/L		65	31 - 120
Hexachlorocyclopentadiene	20.0	12.34		ug/L		62	15 - 117
Hexachloroethane	20.0	12.89		ug/L		64	37 - 109
Indeno[1,2,3-cd]pyrene	20.0	24.99		ug/L		125	35 - 141
Isophorone	20.0	13.43		ug/L		67	40 - 115
Naphthalene	20.0	13.28		ug/L		66	37 - 113
Nitrobenzene	20.0	12.99		ug/L		65	37 - 114
N-Nitrosodi-n-propylamine	20.0	12.58		ug/L		63	38 - 117
N-Nitrosodiphenylamine	20.0	13.80		ug/L		69	40 - 127
Pentachlorophenol	20.0	10.13		ug/L		51	10 - 137
Phenanthrene	20.0	13.84		ug/L		69	39 - 126
Phenol	20.0	8.029		ug/L		40	15 - 106
Pyrene	20.0	17.30		ug/L		86	40 - 130
Pyridine	20.0	4.904		ug/L		25	16 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*59*		*31 - 132*
2-Fluorobiphenyl (Surr)	*61*		*40 - 130*
2-Fluorophenol (Surr)	*34*		*21 - 114*
Nitrobenzene-d5 (Surr)	*55*		*37 - 130*
p-Terphenyl-d14 (Surr)	*87*		*20 - 141*
Phenol-d5 (Surr)	*30*		*16 - 117*

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 860-146819/3-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			20.0	12.45		ug/L		62	34 - 117	5	30
1,2-Dichlorobenzene			20.0	12.32		ug/L		62	38 - 111	6	30
1,3-Dichlorobenzene			20.0	12.07		ug/L		60	37 - 111	5	30
1,4-Dichlorobenzene			20.0	12.23		ug/L		61	37 - 111	0	30
2,4,5-Trichlorophenol			20.0	13.50		ug/L		68	39 - 125	6	30
2,4,6-Trichlorophenol			20.0	14.16		ug/L		71	42 - 125	1	30
2,4-Dichlorophenol			20.0	13.24		ug/L		66	38 - 120	4	30
2,4-Dimethylphenol			20.0	13.01		ug/L		65	39 - 117	10	30
2,4-Dinitrophenol			20.0	9.548		ug/L		48	13 - 152	6	30
2,4-Dinitrotoluene			20.0	15.73		ug/L		79	41 - 128	3	30
2,6-Dinitrotoluene			20.0	14.69		ug/L		73	42 - 127	5	30
2-Chloronaphthalene			20.0	13.36		ug/L		67	40 - 118	1	30
2-Methylnaphthalene			20.0	12.89		ug/L		64	37 - 112	4	30
2-Methylphenol			20.0	11.51		ug/L		58	36 - 125	3	30
2-Nitroaniline			20.0	10.97		ug/L		55	34 - 126	6	30
2-Nitrophenol			20.0	13.66		ug/L		68	38 - 125	5	30
3 & 4 Methylphenol			20.0	11.64		ug/L		58	35 - 116	1	30
3-Nitroaniline			20.0	15.31		ug/L		77	42 - 123	1	30
4,6-Dinitro-2-methylphenol			20.0	15.82		ug/L		79	12 - 157	1	30
4-Bromophenyl-phenylether			20.0	13.84		ug/L		69	40 - 126	2	30
4-Chloro-3-methylphenol			20.0	12.46		ug/L		62	40 - 119	9	30
4-Chloroaniline			20.0	11.83		ug/L		59	39 - 111	12	30
4-Chlorophenyl-phenylether			20.0	13.34		ug/L		67	40 - 122	4	30
4-Nitroaniline			20.0	17.55		ug/L		88	42 - 125	0	30
4-Nitrophenol			20.0	10.78		ug/L		54	14 - 102	4	30
Acenaphthene			20.0	12.82		ug/L		64	41 - 116	5	30
Acenaphthylene			20.0	13.59		ug/L		68	41 - 118	1	30
Aniline (Phenylamine, Aminobenzene)			20.0	9.110		ug/L		46	31 - 100	17	30
Anthracene			20.0	14.36		ug/L		72	39 - 127	2	30
Benzo[a]anthracene			20.0	19.75		ug/L		99	40 - 129	1	30
Benzo[a]pyrene			20.0	21.26		ug/L		106	36 - 141	2	30
Benzo[b]fluoranthene			20.0	19.26		ug/L		96	34 - 139	2	30
Benzo[g,h,i]perylene			20.0	24.76		ug/L		124	32 - 141	1	30
Benzo[k]fluoranthene			20.0	18.90		ug/L		94	31 - 139	0	30
Benzoic acid			60.0	16.27		ug/L		27	27 - 195	3	30
Butyl benzyl phthalate			20.0	18.21		ug/L		91	44 - 133	5	30
Bis(2-chloroethoxy)methane			20.0	12.49		ug/L		62	36 - 113	6	30
Bis(2-chloroethyl)ether			20.0	11.89		ug/L		59	38 - 111	6	30
bis(2-chloroisopropyl) ether			20.0	10.08		ug/L		50	10 - 150	7	30
Bis(2-ethylhexyl) phthalate			20.0	15.10		ug/L		75	44 - 136	5	30
Chrysene			20.0	19.58		ug/L		98	41 - 124	2	30
Dibenz(a,h)anthracene			20.0	24.26		ug/L		121	35 - 143	1	30
Dibenzofuran			20.0	13.31		ug/L		67	41 - 119	3	30
Diethyl phthalate			20.0	13.80		ug/L		69	41 - 125	5	30
Dimethyl phthalate			20.0	13.83		ug/L		69	42 - 123	4	30
Di-n-butyl phthalate			20.0	17.50		ug/L		87	41 - 133	2	30
Di-n-octyl phthalate			20.0	13.74		ug/L		69	34 - 145	4	30
Fluoranthene			20.0	18.97		ug/L		95	38 - 132	0	30

Method: 8270E LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 860-146819/3-A
Matrix: Water
Analysis Batch: 146841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene			20.0	13.45		ug/L		67	41 - 121	5	30
Hexachlorobenzene			20.0	14.20		ug/L		71	39 - 128	1	30
Hexachlorobutadiene			20.0	12.24		ug/L		61	31 - 120	5	30
Hexachlorocyclopentadiene			20.0	13.01		ug/L		65	15 - 117	5	30
Hexachloroethane			20.0	13.09		ug/L		65	37 - 109	2	30
Indeno[1,2,3-cd]pyrene			20.0	24.38		ug/L		122	35 - 141	2	30
Isophorone			20.0	12.38		ug/L		62	40 - 115	8	30
Naphthalene			20.0	12.42		ug/L		62	37 - 113	7	30
Nitrobenzene			20.0	11.65		ug/L		58	37 - 114	11	30
N-Nitrosodi-n-propylamine			20.0	12.65		ug/L		63	38 - 117	1	30
N-Nitrosodiphenylamine			20.0	14.02		ug/L		70	40 - 127	2	30
Pentachlorophenol			20.0	10.76		ug/L		54	10 - 137	6	30
Phenanthrene			20.0	13.64		ug/L		68	39 - 126	1	30
Phenol			20.0	7.725		ug/L		39	15 - 106	4	30
Pyrene			20.0	16.85		ug/L		84	40 - 130	3	30
Pyridine			20.0	4.910		ug/L		25	16 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*60*		*31 - 132*
2-Fluorobiphenyl (Surr)	*65*		*40 - 130*
2-Fluorophenol (Surr)	*34*		*21 - 114*
Nitrobenzene-d5 (Surr)	*53*		*37 - 130*
p-Terphenyl-d14 (Surr)	*85*		*20 - 141*
Phenol-d5 (Surr)	*29*		*16 - 117*

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-413719/1-A
Matrix: Water
Analysis Batch: 414280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 413719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	<1.14	U	3.00	1.14	ng/L		02/23/24 16:58	02/26/24 17:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*98*		*10 - 120*	*02/23/24 16:58*	*02/26/24 17:57*	*1*

Lab Sample ID: LCS 570-413719/2-A
Matrix: Water
Analysis Batch: 414280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 413719

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tributyltin			178	100.1		ng/L		56	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*67*		*10 - 120*

Method: Organotins SIM - Organotins (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 570-413719/3-A
Matrix: Water
Analysis Batch: 414280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 413719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tributyltin			178	146.9	*1	ng/L		82	10 - 120	38	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*96*		*10 - 120*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-146976/1-A
Matrix: Water
Analysis Batch: 147157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.988	U	5.00	0.988	mg/L		02/26/24 09:26	02/28/24 01:29	1
Diesel Range Organics (Over C10-C28)	1.460	J	5.00	0.988	mg/L		02/26/24 09:26	02/28/24 01:29	1
Oil Range Organics (Over C28-C36)	<0.954	U	5.00	0.954	mg/L		02/26/24 09:26	02/28/24 01:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 135*	*02/26/24 09:26*	*02/28/24 01:29*	*1*
o-Terphenyl	*104*		*70 - 135*	*02/26/24 09:26*	*02/28/24 01:29*	*1*

Lab Sample ID: LCS 860-146976/2-A
Matrix: Water
Analysis Batch: 147157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146976

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			99.9	90.28		mg/L		90	70 - 135		
Diesel Range Organics (Over C10-C28)			100	105.9		mg/L		106	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 135*
o-Terphenyl	*100*		*70 - 135*

Lab Sample ID: LCSD 860-146976/3-A
Matrix: Water
Analysis Batch: 147157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146976

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			99.9	100.9		mg/L		101	70 - 135	11	35
Diesel Range Organics (Over C10-C28)			100	116.3		mg/L		116	70 - 135	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 135*
o-Terphenyl	*96*		*70 - 135*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 860-147139/1-A
Matrix: Water
Analysis Batch: 146954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.000000123	U	0.0000100	0.00000123	mg/L		02/27/24 08:18	02/27/24 13:27	1
4,4'-DDE	<0.000000131	U	0.0000100	0.00000131	mg/L		02/27/24 08:18	02/27/24 13:27	1
4,4'-DDT	<0.00000695	U	0.0000200	0.00000695	mg/L		02/27/24 08:18	02/27/24 13:27	1
Aldrin	<0.000000137	U	0.0000100	0.00000137	mg/L		02/27/24 08:18	02/27/24 13:27	1
alpha-BHC	<0.000000143	U	0.0000090	0.00000143	mg/L		02/27/24 08:18	02/27/24 13:27	1
alpha-Chlordane	<0.000000237	U	0.0000100	0.00000237	mg/L		02/27/24 08:18	02/27/24 13:27	1
beta-BHC	<0.00000190	U	0.0000180	0.00000190	mg/L		02/27/24 08:18	02/27/24 13:27	1
Chlorodane	<0.00000851	U	0.000250	0.00000851	mg/L		02/27/24 08:18	02/27/24 13:27	1
delta-BHC	<0.000000387	U	0.000250	0.00000387	mg/L		02/27/24 08:18	02/27/24 13:27	1
Dieldrin	<0.00000000806	U	0.0000100	0.000000806	mg/L		02/27/24 08:18	02/27/24 13:27	1
Endosulfan I	<0.000000146	U	0.0000100	0.00000146	mg/L		02/27/24 08:18	02/27/24 13:27	1
Endosulfan II	<0.00000000819	U	0.0000100	0.000000819	mg/L		02/27/24 08:18	02/27/24 13:27	1
Endosulfan sulfate	<0.000000312	U	0.0000100	0.00000312	mg/L		02/27/24 08:18	02/27/24 13:27	1
Endrin	<0.000000168	U	0.0000100	0.00000168	mg/L		02/27/24 08:18	02/27/24 13:27	1
Endrin aldehyde	<0.000000384	U	0.0000100	0.00000384	mg/L		02/27/24 08:18	02/27/24 13:27	1
Endrin ketone	<0.000000405	U	0.0000100	0.00000405	mg/L		02/27/24 08:18	02/27/24 13:27	1
gamma-BHC (Lindane)	<0.000000600	U	0.0000100	0.00000600	mg/L		02/27/24 08:18	02/27/24 13:27	1
Heptachlor	<0.00000109	U	0.0000090	0.0000109	mg/L		02/27/24 08:18	02/27/24 13:27	1
Heptachlor epoxide	<0.00000000871	U	0.0000100	0.000000871	mg/L		02/27/24 08:18	02/27/24 13:27	1
Methoxychlor	<0.000000566	U	0.0000200	0.00000566	mg/L		02/27/24 08:18	02/27/24 13:27	1
Toxaphene	<0.0000196	U	0.000200	0.0000196	mg/L		02/27/24 08:18	02/27/24 13:27	1
trans-Chlordane	<0.000000599	U	0.0000100	0.00000599	mg/L		02/27/24 08:18	02/27/24 13:27	1
Mirex	<0.0000200	U	0.0000200	0.0000200	mg/L		02/27/24 08:18	02/27/24 13:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*128*		*15 - 136*	*02/27/24 08:18*	*02/27/24 13:27*	*1*
Tetrachloro-m-xylene	*100*		*18 - 126*	*02/27/24 08:18*	*02/27/24 13:27*	*1*

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

Lab Sample ID: LCS 860-147139/2-A
Matrix: Water
Analysis Batch: 146954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147139

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			0.000100	0.0001189		mg/L		119	45 - 130		
4,4'-DDE			0.000100	0.0001036		mg/L		104	44 - 133		
4,4'-DDT			0.000100	0.0001376		mg/L		138	46 - 150		
Aldrin			0.000100	0.00009475		mg/L		95	40 - 120		
alpha-BHC			0.000100	0.0001050		mg/L		105	46 - 115		
alpha-Chlordane			0.000100	0.0001105		mg/L		111	47 - 127		
beta-BHC			0.000100	0.0001148		mg/L		115	45 - 127		
delta-BHC			0.000100	0.00009911	J	mg/L		99	16 - 130		
Dieldrin			0.000100	0.0001047		mg/L		105	46 - 127		
Endosulfan I			0.000100	0.0001169		mg/L		117	44 - 125		
Endosulfan II			0.000100	0.0001189		mg/L		119	47 - 132		
Endosulfan sulfate			0.000100	0.0001105		mg/L		110	48 - 134		
Endrin			0.000100	0.0001194		mg/L		119	48 - 145		
Endrin aldehyde			0.000100	0.0001237	*+	mg/L		124	22 - 121		
Endrin ketone			0.000100	0.0001261		mg/L		126	41 - 153		
gamma-BHC (Lindane)			0.000100	0.0001148		mg/L		115	50 - 118		
Heptachlor			0.000100	0.0001314		mg/L		131	43 - 138		
Heptachlor epoxide			0.000100	0.0001144		mg/L		114	46 - 123		
Methoxychlor			0.000100	0.0001422		mg/L		142	49 - 152		
trans-Chlordane			0.000100	0.0001076		mg/L		108	45 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*121*		*15 - 136*
Tetrachloro-m-xylene	*96*		*18 - 126*

Lab Sample ID: LCSD 860-147139/3-A
Matrix: Water
Analysis Batch: 146954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147139

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.000100	0.0001163		mg/L		116	45 - 130	2	25
4,4'-DDE			0.000100	0.00009723		mg/L		97	44 - 133	6	25
4,4'-DDT			0.000100	0.0001307		mg/L		131	46 - 150	5	25
Aldrin			0.000100	0.00009127		mg/L		91	40 - 120	4	25
alpha-BHC			0.000100	0.0001009		mg/L		101	46 - 115	4	25
alpha-Chlordane			0.000100	0.0001037		mg/L		104	47 - 127	6	25
beta-BHC			0.000100	0.0001073		mg/L		107	45 - 127	7	25
delta-BHC			0.000100	0.00009374	J	mg/L		94	16 - 130	6	25
Dieldrin			0.000100	0.00009838		mg/L		98	46 - 127	6	25
Endosulfan I			0.000100	0.0001125		mg/L		112	44 - 125	4	25
Endosulfan II			0.000100	0.0001209		mg/L		121	47 - 132	2	25
Endosulfan sulfate			0.000100	0.0001105		mg/L		110	48 - 134	0	25
Endrin			0.000100	0.0001159		mg/L		116	48 - 145	3	25
Endrin aldehyde			0.000100	0.0001222	*+	mg/L		122	22 - 121	1	25
Endrin ketone			0.000100	0.0001272		mg/L		127	41 - 153	1	25
gamma-BHC (Lindane)			0.000100	0.0001091		mg/L		109	50 - 118	5	25
Heptachlor			0.000100	0.0001240		mg/L		124	43 - 138	6	25
Heptachlor epoxide			0.000100	0.0001085		mg/L		109	46 - 123	5	25

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

Lab Sample ID: LCSD 860-147139/3-A
Matrix: Water
Analysis Batch: 146954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147139

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methoxychlor			0.000100	0.0001409		mg/L		141	49 - 152	1	25
trans-Chlordane			0.000100	0.0001005		mg/L		101	45 - 128	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*116*		*15 - 136*
Tetrachloro-m-xylene	*92*		*18 - 126*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 860-147139/1-A
Matrix: Water
Analysis Batch: 147142

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 13:35	1
PCB-1221	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 13:35	1
PCB-1232	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 13:35	1
PCB-1242	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 13:35	1
PCB-1248	<0.0000125	U	0.000200	0.0000125	mg/L		02/27/24 08:18	02/27/24 13:35	1
PCB-1254	<0.00000780	U	0.000200	0.0000078 0	mg/L		02/27/24 08:18	02/27/24 13:35	1
PCB-1260	<0.00000780	U	0.000200	0.0000078 0	mg/L		02/27/24 08:18	02/27/24 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*18 - 116*	*02/27/24 08:18*	*02/27/24 13:35*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*27 - 123*	*02/27/24 08:18*	*02/27/24 13:35*	*1*

Lab Sample ID: LCS 860-147139/4-A
Matrix: Water
Analysis Batch: 147142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147139

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016			0.00100	0.001156		mg/L		116	54 - 125
PCB-1260			0.00100	0.0009890		mg/L		99	41 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*18 - 116*
DCB Decachlorobiphenyl (Surr)	*119*		*27 - 123*

Lab Sample ID: LCSD 860-147139/5-A
Matrix: Water
Analysis Batch: 147142

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147139

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			0.00100	0.001114		mg/L		111	54 - 125	4	20
PCB-1260			0.00100	0.0009546		mg/L		95	41 - 126	4	

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 860-147139/5-A
Matrix: Water
Analysis Batch: 147142

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147139

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	101		18 - 116
DCB Decachlorobiphenyl (Surr)	116		27 - 123

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 860-146277/1-A
Matrix: Water
Analysis Batch: 146458

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.00400	U	0.00400	0.00400	mg/L		02/21/24 10:07	02/22/24 11:00	1
MCPP	<0.0592	U	0.752	0.0592	mg/L		02/21/24 10:07	02/22/24 11:00	1
MCPA	<0.0555	U	0.749	0.0555	mg/L		02/21/24 10:07	02/22/24 11:00	1
Dinoseb	<0.000340	U	0.00378	0.000340	mg/L		02/21/24 10:07	02/22/24 11:00	1
Dichlorprop	<0.000420	U	0.00378	0.000420	mg/L		02/21/24 10:07	02/22/24 11:00	1
Dicamba	<0.000390	U	0.00376	0.000390	mg/L		02/21/24 10:07	02/22/24 11:00	1
Dalapon	<0.000373	U	0.00365	0.000373	mg/L		02/21/24 10:07	02/22/24 11:00	1
2,4-DB	<0.000365	U	0.00379	0.000365	mg/L		02/21/24 10:07	02/22/24 11:00	1
2,4-D	<0.000412	U	0.00376	0.000412	mg/L		02/21/24 10:07	02/22/24 11:00	1
2,4,5-TP (Silvex)	<0.00165	U	0.00381	0.00165	mg/L		02/21/24 10:07	02/22/24 11:00	1
2,4,5-T	<0.000362	U	0.00379	0.000362	mg/L		02/21/24 10:07	02/22/24 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		41 - 131	02/21/24 10:07	02/22/24 11:00	1

Lab Sample ID: LCS 860-146277/2-A
Matrix: Water
Analysis Batch: 146458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	0.00200	<0.00400	U	mg/L		74	40 - 130
MCPP	0.200	0.1807	J	mg/L		90	13 - 114
MCPA	0.200	0.1564	J	mg/L		78	28 - 137
Dinoseb	0.00200	0.001289	J	mg/L		64	25 - 125
Dichlorprop	0.00200	0.001305	J	mg/L		65	10 - 152
Dicamba	0.00200	0.001647	J	mg/L		82	20 - 173
Dalapon	0.00200	0.001556	J	mg/L		78	23 - 123
2,4-DB	0.00200	0.001732	J	mg/L		87	10 - 169
2,4-D	0.00200	0.001238	J	mg/L		62	30 - 134
2,4,5-TP (Silvex)	0.00200	0.002406	J	mg/L		120	32 - 140
2,4,5-T	0.00200	0.001623	J	mg/L		81	30 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	84		41 - 131

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

Lab Sample ID: LCSD 860-146277/3-A
Matrix: Water
Analysis Batch: 146458

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146277

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorophenol			0.00200	<0.00400	U	mg/L		72	40 - 130	3	25
MCPP			0.200	0.1673	J	mg/L		84	13 - 114	8	25
MCPA			0.200	0.1492	J	mg/L		75	28 - 137	5	25
Dinoseb			0.00200	0.001158	J	mg/L		58	25 - 125	11	25
Dichlorprop			0.00200	0.001393	J	mg/L		70	10 - 152	7	25
Dicamba			0.00200	0.001614	J	mg/L		81	20 - 173	2	25
Dalapon			0.00200	0.001514	J	mg/L		76	23 - 123	3	25
2,4-DB			0.00200	0.001597	J	mg/L		80	10 - 169	8	25
2,4-D			0.00200	0.001493	J	mg/L		75	30 - 134	19	25
2,4,5-TP (Silvex)			0.00200	0.001803	J *1	mg/L		90	32 - 140	29	25
2,4,5-T			0.00200	0.001653	J	mg/L		83	30 - 145	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*80*		*41 - 131*

Method: EPA 8141B - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 180-460552/1-A
Matrix: Water
Analysis Batch: 460567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 460552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Guthion	<0.0695	U	0.200	0.0695	ug/L		02/25/24 21:40	02/26/24 12:53	1
Demeton, Total	<0.0489	U	0.400	0.0489	ug/L		02/25/24 21:40	02/26/24 12:53	1
Chlorpyrifos	<0.0865	U	0.200	0.0865	ug/L		02/25/24 21:40	02/26/24 12:53	1
Malathion	<0.0794	U	0.200	0.0794	ug/L		02/25/24 21:40	02/26/24 12:53	1
Diazinon	<0.0782	U	0.200	0.0782	ug/L		02/25/24 21:40	02/26/24 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tributyl phosphate	*107*		*56 - 150*	*02/25/24 21:40*	*02/26/24 12:53*	*1*
Triphenylphosphate	*109*		*67 - 138*	*02/25/24 21:40*	*02/26/24 12:53*	*1*

Lab Sample ID: LCS 180-460552/2-A
Matrix: Water
Analysis Batch: 460567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 460552

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Guthion			2.00	1.917		ug/L		96	51 - 135		
Demeton, Total			2.00	1.919		ug/L		96	67 - 133		
Chlorpyrifos			2.00	1.914		ug/L		96	67 - 128		
Malathion			2.00	2.007		ug/L		100	68 - 133		
Diazinon			2.00	1.964		ug/L		98	64 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tributyl phosphate	*119*		*56 - 150*
Triphenylphosphate	*105*		*67 - 138*

Method: EPA 8141B - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCSD 180-460552/3-A
Matrix: Water
Analysis Batch: 460567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 460552

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Guthion			2.00	1.772		ug/L		89	51 - 135	8	15
Demeton, Total			2.00	1.784		ug/L		89	67 - 133	7	20
Chlorpyrifos			2.00	1.783		ug/L		89	67 - 128	7	15
Malathion			2.00	1.844		ug/L		92	68 - 133	8	15
Diazinon			2.00	1.788		ug/L		89	64 - 140	9	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tributyl phosphate	*111*		*56 - 150*
Triphenylphosphate	*94*		*67 - 138*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-146152/3
Matrix: Water
Analysis Batch: 146152

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			02/21/24 16:25	1
Chloride	<0.250	U	0.500	0.250	mg/L			02/21/24 16:25	1
Sulfate	<0.200	U	0.500	0.200	mg/L			02/21/24 16:25	1
Fluoride	<0.100	U	0.500	0.100	mg/L			02/21/24 16:25	1

Lab Sample ID: LCS 860-146152/4
Matrix: Water
Analysis Batch: 146152

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			10.0	9.610		mg/L		96	90 - 110		
Chloride			10.0	9.822		mg/L		98	90 - 110		
Sulfate			10.0	9.919		mg/L		99	90 - 110		
Fluoride			10.0	10.87		mg/L		109	90 - 110		

Lab Sample ID: LCSD 860-146152/5
Matrix: Water
Analysis Batch: 146152

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
Bromide			10.0	9.641		mg/L		96	90 - 110	0	20
Chloride			10.0	9.855		mg/L		99	90 - 110	0	20
Sulfate			10.0	9.928		mg/L		99	90 - 110	0	20
Fluoride			10.0	10.93		mg/L		109	90 - 110	0	20

Lab Sample ID: LLCS 860-146152/7
Matrix: Water
Analysis Batch: 146152

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			0.500	0.5525		mg/L		110	50 - 150		
Chloride			0.500	0.5155		mg/L		103	50 - 150		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-146152/7
Matrix: Water
Analysis Batch: 146152

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	0.500	0.5201		mg/L		104	50 - 150
Fluoride	0.500	0.5261		mg/L		105	50 - 150

Lab Sample ID: MB 860-146153/3
Matrix: Water
Analysis Batch: 146153

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	mg/L			02/21/24 16:25	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			02/21/24 16:25	1

Lab Sample ID: LCS 860-146153/4
Matrix: Water
Analysis Batch: 146153

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	10.06		mg/L		101	80 - 120
Nitrite as N	10.0	10.55		mg/L		106	80 - 120

Lab Sample ID: LCSD 860-146153/5
Matrix: Water
Analysis Batch: 146153

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
Nitrate as N	10.0	10.07		mg/L		101	80 - 120	0	20
Nitrite as N	10.0	10.58		mg/L		106	80 - 120	0	20

Lab Sample ID: LLCS 860-146153/6
Matrix: Water
Analysis Batch: 146153

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.1193		mg/L		119	50 - 150
Nitrite as N	0.100	0.1301		mg/L		130	50 - 150

Method: 632 - Carbamate and Urea Pesticides (HPLC)

Lab Sample ID: MB 860-147038/1-A
Matrix: Water
Analysis Batch: 147897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.85	U	5.00	1.85	ug/L		02/26/24 14:17	02/29/24 19:10	1

Lab Sample ID: LCS 860-147038/2-A
Matrix: Water
Analysis Batch: 147897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbaryl	100	117.7		ug/L		118	70 - 130

Method: 632 - Carbamate and Urea Pesticides (HPLC) (Continued)

Lab Sample ID: LCSD 860-147038/3-A
Matrix: Water
Analysis Batch: 147897

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147038

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbaryl			100	108.3		ug/L		108	70 - 130	8	20

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Lab Sample ID: MB 410-476810/1-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HMX	<0.700	U	1.60	0.700	ug/L		02/26/24 10:11	02/27/24 00:09	1
RDX	<0.637	U	1.40	0.637	ug/L		02/26/24 10:11	02/27/24 00:09	1
1,3,5-Trinitrobenzene	<0.460	U	1.00	0.460	ug/L		02/26/24 10:11	02/27/24 00:09	1
Tetryl	<0.398	U	1.60	0.398	ug/L		02/26/24 10:11	02/27/24 00:09	1
1,3-Dinitrobenzene	<0.400	U	1.00	0.400	ug/L		02/26/24 10:11	02/27/24 00:09	1
3,5-Dinitroaniline	<0.377	U	0.900	0.377	ug/L		02/26/24 10:11	02/27/24 00:09	1
Nitroglycerin	<7.54	U	20.0	7.54	ug/L		02/26/24 10:11	02/27/24 00:09	1
2,4,6-Trinitrotoluene	<1.80	U	3.70	1.80	ug/L		02/26/24 10:11	02/27/24 00:09	1
Nitrobenzene	<0.420	U	0.900	0.420	ug/L		02/26/24 10:11	02/27/24 00:09	1
4-Amino-2,6-dinitrotoluene	<0.920	U	2.00	0.920	ug/L		02/26/24 10:11	02/27/24 00:09	1
2-Amino-4,6-dinitrotoluene	<0.426	U	0.850	0.426	ug/L		02/26/24 10:11	02/27/24 00:09	1
2,6-Dinitrotoluene	<0.350	U	0.800	0.350	ug/L		02/26/24 10:11	02/27/24 00:09	1
2,4-Dinitrotoluene	<0.330	U	0.700	0.330	ug/L		02/26/24 10:11	02/27/24 00:09	1
PETN	<10.1	U	23.0	10.1	ug/L		02/26/24 10:11	02/27/24 00:09	1
2-Nitrotoluene	<0.429	U	0.900	0.429	ug/L		02/26/24 10:11	02/27/24 00:09	1
4-Nitrotoluene	<0.438	U	0.900	0.438	ug/L		02/26/24 10:11	02/27/24 00:09	1
3-Nitrotoluene	<0.378	U	0.800	0.378	ug/L		02/26/24 10:11	02/27/24 00:09	1
2,6-diamino-4-nitrotoluene	<0.931	U	2.00	0.931	ug/L		02/26/24 10:11	02/27/24 00:09	1
2,4-diamino-6-nitrotoluene	<1.04	U	2.10	1.04	ug/L		02/26/24 10:11	02/27/24 00:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*68 - 122*	*02/26/24 10:11*	*02/27/24 00:09*	*1*
2-Nitro-m-xylene	*99*		*68 - 122*	*02/26/24 10:11*	*02/27/24 00:09*	*1*

Lab Sample ID: LCS 410-476810/2-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476810

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
HMX			10.0	9.577		ug/L		95	59 - 134		
RDX			10.1	9.861		ug/L		98	72 - 127		
1,3,5-Trinitrobenzene			10.1	9.675		ug/L		96	71 - 122		
Tetryl			10.1	9.550		ug/L		95	67 - 120		
1,3-Dinitrobenzene			10.1	9.900		ug/L		98	75 - 120		
3,5-Dinitroaniline			10.1	9.613		ug/L		95	71 - 121		
Nitroglycerin			111	105.2		ug/L		95	44 - 133		
2,4,6-Trinitrotoluene			10.1	10.55		ug/L		105	81 - 128		
Nitrobenzene			10.1	9.913	p	ug/L		99	85 - 120		
4-Amino-2,6-dinitrotoluene			10.1	9.805		ug/L		97	67 - 132		
2-Amino-4,6-dinitrotoluene			10.1	9.769		ug/L		97	72 - 120		

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: LCS 410-476810/2-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	10.1	9.880		ug/L		98	85 - 122
2,4-Dinitrotoluene	10.1	9.990		ug/L		99	76 - 122
PETN	110	101.7		ug/L		92	71 - 121
2-Nitrotoluene	10.1	9.851		ug/L		98	72 - 122
4-Nitrotoluene	10.1	10.11		ug/L		100	70 - 127
3-Nitrotoluene	10.1	10.11		ug/L		100	72 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*93*		*68 - 122*
2-Nitro-m-xylene	*93*		*68 - 122*

Lab Sample ID: LCS 410-476810/4-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-diamino-4-nitrotoluene	20.1	17.60		ug/L		87	50 - 150
2,4-diamino-6-nitrotoluene	20.0	14.78		ug/L		74	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*68 - 122*
2-Nitro-m-xylene	*99*		*68 - 122*

Lab Sample ID: LCSD 410-476810/3-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 476810

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HMX	10.0	9.923		ug/L		99	59 - 134	4	30
RDX	10.1	10.27		ug/L		102	72 - 127	4	30
1,3,5-Trinitrobenzene	10.1	10.11		ug/L		100	71 - 122	4	30
Tetryl	10.1	9.778		ug/L		97	67 - 120	2	30
1,3-Dinitrobenzene	10.1	10.37		ug/L		103	75 - 120	5	30
3,5-Dinitroaniline	10.1	10.02		ug/L		99	71 - 121	4	30
Nitroglycerin	111	109.0		ug/L		99	44 - 133	4	30
2,4,6-Trinitrotoluene	10.1	11.01		ug/L		109	81 - 128	4	30
Nitrobenzene	10.1	10.39	p	ug/L		103	85 - 120	5	30
4-Amino-2,6-dinitrotoluene	10.1	10.28		ug/L		102	67 - 132	5	30
2-Amino-4,6-dinitrotoluene	10.1	10.22		ug/L		101	72 - 120	5	30
2,6-Dinitrotoluene	10.1	10.36		ug/L		103	85 - 122	5	30
2,4-Dinitrotoluene	10.1	10.48		ug/L		104	76 - 122	5	30
PETN	110	104.9		ug/L		95	71 - 121	3	30
2-Nitrotoluene	10.1	10.36		ug/L		103	72 - 122	5	30
4-Nitrotoluene	10.1	10.59		ug/L		105	70 - 127	5	30
3-Nitrotoluene	10.1	10.58		ug/L		105	72 - 126	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*68 - 122*

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: LCSD 410-476810/3-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 476810

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*68 - 122*

Lab Sample ID: LCSD 410-476810/5-A
Matrix: Water
Analysis Batch: 477175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 476810

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-diamino-4-nitrotoluene			20.1	19.50		ug/L		97	50 - 150	10	30
2,4-diamino-6-nitrotoluene			20.0	16.06		ug/L		80	50 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*68 - 122*
2-Nitro-m-xylene	*98*		*68 - 122*

Method: VFA - HPLC - Volatile Fatty Acids (HPLC/UV)

Lab Sample ID: MB 860-149577/3
Matrix: Water
Analysis Batch: 149577

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caproic acud	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1
Heptanoic acid	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1
Isocaproic acid	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1
Isovaleric acid	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1
Propionic acid	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1
Valeric acid	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1
Butyric-Isobutyric Acid	<2.00	U	2.00	2.00	mg/L			03/13/24 19:08	1

Lab Sample ID: LCS 860-149577/4
Matrix: Water
Analysis Batch: 149577

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Caproic acud			100	97.51		mg/L		98	70 - 130		
Heptanoic acid			100	108.2		mg/L		108	70 - 130		
Isocaproic acid			100	101.9		mg/L		102	70 - 130		
Isovaleric acid			100	99.00		mg/L		99	70 - 130		
Propionic acid			100	99.55		mg/L		100	70 - 130		
Valeric acid			100	97.18		mg/L		97	70 - 130		
Butyric-Isobutyric Acid			200	194.5		mg/L		97	70 - 130		

Lab Sample ID: LCSD 860-149577/5
Matrix: Water
Analysis Batch: 149577

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
Caproic acud			100	95.33		mg/L		95	70 - 130	2	30
Heptanoic acid			100	103.1		mg/L		103	70 - 130	5	30

Method: VFA - HPLC - Volatile Fatty Acids (HPLC/UV) (Continued)

Lab Sample ID: LCSD 860-149577/5
Matrix: Water
Analysis Batch: 149577

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
Isocaproic acid			100	99.21		mg/L		99	70 - 130	NaN	30
Isovaleric acid			100	96.18		mg/L		96	70 - 130	3	30
Propionic acid			100	97.11		mg/L		97	70 - 130	2	30
Valeric acid			100	94.64		mg/L		95	70 - 130	3	30
Butyric-Isobutyric Acid			200	189.2		mg/L		95	70 - 130	3	25

Method: SW846 6850 - Perchlorate by LC/MS or LC/MS/MS

Lab Sample ID: MB 410-476922/1-A
Matrix: Water
Analysis Batch: 476314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.230	U	1.00	0.230	ug/L		02/26/24 09:51	02/28/24 18:06	1

Lab Sample ID: LCS 410-476922/2-A
Matrix: Water
Analysis Batch: 476314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476922

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perchlorate			1.00	0.9756	J	ug/L		97	80 - 120		

Lab Sample ID: LCSD 410-476922/3-A
Matrix: Water
Analysis Batch: 476314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 476922

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perchlorate			1.00	1.023		ug/L		102	80 - 120	5	15

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 410-477413/1-A
Matrix: Water
Analysis Batch: 479087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	<4.53	U	25.0	4.53	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,4,6,7,8-HpCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,4,7,8-HxCDD	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,4,7,8-HxCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,4,7,8,9-HpCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,6,7,8-HxCDD	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,6,7,8-HxCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,7,8-PeCDD	<3.16	U	25.0	3.16	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,7,8-PeCDF	<2.76	U	25.0	2.76	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,7,8,9-HxCDD	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
1,2,3,7,8,9-HxCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
2,3,4,6,7,8-HxCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
2,3,4,7,8-PeCDF	<2.50	U	25.0	2.50	pg/L		02/27/24 10:17	03/03/24 20:29	1
2,3,7,8-TCDD	<0.873	U	5.00	0.873	pg/L		02/27/24 10:17	03/03/24 20:29	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 410-477413/1-A
Matrix: Water
Analysis Batch: 479087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	<0.812	U	5.00	0.812	pg/L		02/27/24 10:17	03/03/24 20:29	1
OCDD	<36.2	U	110	36.2	pg/L		02/27/24 10:17	03/03/24 20:29	1
OCDF	<6.15	U	50.0	6.15	pg/L		02/27/24 10:17	03/03/24 20:29	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*89*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*92*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,4,7,8-HxCDD	*85*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,4,7,8-HxCDF	*97*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*86*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,6,7,8-HxCDF	*95*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,7,8-PeCDD	*84*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,7,8,9-HxCDD	*93*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-1,2,3,7,8,9-HxCDF	*91*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-2,3,4,6,7,8-HxCDF	*93*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-2,3,4,7,8-PeCDF	*92*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-2,3,7,8-TCDD	*93*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-2,3,7,8-TCDF	*97*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-OCDD	*83*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*
13C-OCDF	*83*		*40 - 135*	*02/27/24 10:17*	*03/03/24 20:29*	*1*

Lab Sample ID: LCS 410-477413/2-A
Matrix: Water
Analysis Batch: 479087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3,4,6,7,8-HpCDD	1000	837.6		pg/L		84	76 - 123
1,2,3,4,6,7,8-HpCDF	1000	844.8		pg/L		84	74 - 123
1,2,3,4,7,8-HxCDD	1000	890.2		pg/L		89	79 - 129
1,2,3,4,7,8-HxCDF	1000	881.7		pg/L		88	78 - 127
1,2,3,4,7,8,9-HpCDF	1000	856.6		pg/L		86	75 - 124
1,2,3,6,7,8-HxCDD	1000	908.3		pg/L		91	80 - 128
1,2,3,6,7,8-HxCDF	1000	891.7		pg/L		89	78 - 125
1,2,3,7,8-PeCDD	1000	949.5		pg/L		95	80 - 133
1,2,3,7,8-PeCDF	1000	888.2		pg/L		89	80 - 131
1,2,3,7,8,9-HxCDD	1000	894.1		pg/L		89	80 - 133
1,2,3,7,8,9-HxCDF	1000	888.2		pg/L		89	78 - 125
2,3,4,6,7,8-HxCDF	1000	873.3		pg/L		87	77 - 126
2,3,4,7,8-PeCDF	1000	909.2		pg/L		91	80 - 130
2,3,7,8-TCDD	200	181.7		pg/L		91	75 - 128
2,3,7,8-TCDF	200	170.9		pg/L		85	72 - 128
OCDD	2000	1691		pg/L		85	80 - 123
OCDF	2000	1693		pg/L		85	78 - 125

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-1,2,3,4,6,7,8-HpCDD	*94*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*97*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 410-477413/2-A
Matrix: Water
Analysis Batch: 479087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477413

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,4,7,8-HxCDD	93		40 - 135
13C-1,2,3,4,7,8-HxCDF	105		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	92		40 - 135
13C-1,2,3,6,7,8-HxCDD	97		40 - 135
13C-1,2,3,6,7,8-HxCDF	100		40 - 135
13C-1,2,3,7,8-PeCDD	86		40 - 135
13C-1,2,3,7,8-PeCDF	98		40 - 135
13C-1,2,3,7,8,9-HxCDD	103		40 - 135
13C-1,2,3,7,8,9-HxCDF	96		40 - 135
13C-2,3,4,6,7,8-HxCDF	100		40 - 135
13C-2,3,4,7,8-PeCDF	97		40 - 135
13C-2,3,7,8-TCDD	97		40 - 135
13C-2,3,7,8-TCDF	97		40 - 135
13C-OCDD	87		40 - 135
13C-OCDF	86		40 - 135

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-146910/1-A
Matrix: Water
Analysis Batch: 147356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		02/25/24 12:30	02/27/24 15:51	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		02/25/24 12:30	02/27/24 15:51	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		02/25/24 12:30	02/27/24 15:51	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		02/25/24 12:30	02/27/24 15:51	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		02/25/24 12:30	02/27/24 15:51	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		02/25/24 12:30	02/27/24 15:51	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		02/25/24 12:30	02/27/24 15:51	1
Calcium	<0.102	U	0.200	0.102	mg/L		02/25/24 12:30	02/27/24 15:51	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		02/25/24 12:30	02/27/24 15:51	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		02/25/24 12:30	02/27/24 15:51	1
Copper	<0.00388	U	0.0200	0.00388	mg/L		02/25/24 12:30	02/27/24 15:51	1
Iron	<0.0283	U	0.200	0.0283	mg/L		02/25/24 12:30	02/27/24 15:51	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		02/25/24 12:30	02/27/24 15:51	1
Magnesium	<0.0445	U	0.200	0.0445	mg/L		02/25/24 12:30	02/27/24 15:51	1
Manganese	<0.00436	U	0.0200	0.00436	mg/L		02/25/24 12:30	02/27/24 15:51	1
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		02/25/24 12:30	02/27/24 15:51	1
Nickel	<0.00177	U	0.0100	0.00177	mg/L		02/25/24 12:30	02/27/24 15:51	1
Phosphorus	<0.0184	U	0.0400	0.0184	mg/L		02/25/24 12:30	02/27/24 15:51	1
Potassium	<0.106	U	0.500	0.106	mg/L		02/25/24 12:30	02/27/24 15:51	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		02/25/24 12:30	02/27/24 15:51	1
Silicon	<0.173	U	0.500	0.173	mg/L		02/25/24 12:30	02/27/24 15:51	1
Silver	<0.00371	U	0.0200	0.00371	mg/L		02/25/24 12:30	02/27/24 15:51	1
Sodium	<0.152	U	0.500	0.152	mg/L		02/25/24 12:30	02/27/24 15:51	1
Strontium	<0.00308	U	0.0200	0.00308	mg/L		02/25/24 12:30	02/27/24 15:51	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		02/25/24 12:30	02/27/24 15:51	1
Tin	<0.00689	U	0.0200	0.00689	mg/L		02/25/24 12:30	02/27/24 15:51	1

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

Lab Sample ID: MB 860-146910/1-A
Matrix: Water
Analysis Batch: 147356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Titanium	<0.00397	U	0.0300	0.00397	mg/L		02/25/24 12:30	02/27/24 15:51	1
Vanadium	<0.00518	U	0.0200	0.00518	mg/L		02/25/24 12:30	02/27/24 15:51	1
Zinc	<0.00837	U	0.0300	0.00837	mg/L		02/25/24 12:30	02/27/24 15:51	1
Lithium	<0.0174	U	0.0400	0.0174	mg/L		02/25/24 12:30	02/27/24 15:51	1
Phosphate as PO4	<0.0564	U	0.123	0.0564	mg/L		02/25/24 12:30	02/27/24 15:51	1

Lab Sample ID: LCS 860-146910/2-A
Matrix: Water
Analysis Batch: 147356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.910		mg/L		98	80 - 120
Antimony	1.00	0.9390		mg/L		94	80 - 120
Arsenic	1.00	0.9680		mg/L		97	80 - 120
Barium	1.00	0.9770		mg/L		98	80 - 120
Beryllium	1.00	0.9860		mg/L		99	80 - 120
Boron	1.00	0.9800		mg/L		98	80 - 120
Cadmium	1.00	0.9630		mg/L		96	80 - 120
Calcium	25.0	24.40		mg/L		98	80 - 120
Chromium	1.00	1.010		mg/L		101	80 - 120
Cobalt	1.00	0.9720		mg/L		97	80 - 120
Copper	1.00	0.9730		mg/L		97	80 - 120
Iron	5.00	4.970		mg/L		99	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Magnesium	25.0	24.20		mg/L		97	80 - 120
Manganese	1.00	1.010		mg/L		101	80 - 120
Molybdenum	1.00	1.010		mg/L		101	80 - 120
Nickel	1.00	0.9700		mg/L		97	80 - 120
Phosphorus	1.00	1.010		mg/L		101	80 - 120
Potassium	10.0	9.530		mg/L		95	80 - 120
Selenium	1.00	0.9540		mg/L		95	80 - 120
Silicon	10.0	9.660		mg/L		97	80 - 120
Silver	0.500	0.4350		mg/L		87	80 - 120
Sodium	25.0	24.20		mg/L		97	80 - 120
Strontium	1.00	1.010		mg/L		101	80 - 120
Thallium	1.00	1.010		mg/L		101	80 - 120
Tin	1.00	0.9780		mg/L		98	80 - 120
Titanium	1.00	0.9690		mg/L		97	80 - 120
Vanadium	1.00	0.9980		mg/L		100	80 - 120
Zinc	1.00	0.9830		mg/L		98	80 - 120
Lithium	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 860-146910/3-A
Matrix: Water
Analysis Batch: 147356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146910

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	4.990		mg/L		100	80 - 120	2	20
Antimony	1.00	0.9600		mg/L		96	80 - 120	2	20

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

Lab Sample ID: LCSD 860-146910/3-A
Matrix: Water
Analysis Batch: 147356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146910

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.00	0.9740		mg/L		97	80 - 120	1	20
Barium	1.00	0.9910		mg/L		99	80 - 120	1	20
Beryllium	1.00	1.000		mg/L		100	80 - 120	1	20
Boron	1.00	0.9960		mg/L		100	80 - 120	2	20
Cadmium	1.00	0.9740		mg/L		97	80 - 120	1	20
Calcium	25.0	24.90		mg/L		100	80 - 120	2	20
Chromium	1.00	1.020		mg/L		102	80 - 120	1	20
Cobalt	1.00	0.9880		mg/L		99	80 - 120	2	20
Copper	1.00	0.9810		mg/L		98	80 - 120	1	20
Iron	5.00	5.060		mg/L		101	80 - 120	2	20
Lead	1.00	1.020		mg/L		102	80 - 120	1	20
Magnesium	25.0	24.60		mg/L		98	80 - 120	2	20
Manganese	1.00	1.030		mg/L		103	80 - 120	2	20
Molybdenum	1.00	1.030		mg/L		103	80 - 120	2	20
Nickel	1.00	0.9850		mg/L		99	80 - 120	2	20
Phosphorus	1.00	1.020		mg/L		102	80 - 120	1	20
Potassium	10.0	9.710		mg/L		97	80 - 120	2	20
Selenium	1.00	0.9640		mg/L		96	80 - 120	1	20
Silicon	10.0	9.830		mg/L		98	80 - 120	2	20
Silver	0.500	0.4420		mg/L		88	80 - 120	2	20
Sodium	25.0	24.60		mg/L		98	80 - 120	2	20
Strontium	1.00	1.020		mg/L		102	80 - 120	1	20
Thallium	1.00	1.030		mg/L		103	80 - 120	2	20
Tin	1.00	0.9900		mg/L		99	80 - 120	1	20
Titanium	1.00	0.9850		mg/L		99	80 - 120	2	20
Vanadium	1.00	1.020		mg/L		102	80 - 120	2	20
Zinc	1.00	0.9990		mg/L		100	80 - 120	2	20
Lithium	1.00	1.040		mg/L		104	80 - 120	2	20

Lab Sample ID: MB 860-147483/1-B
Matrix: Water
Analysis Batch: 147846

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 147580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0352	U	0.200	0.0352	mg/L		02/29/24 09:30	03/01/24 11:12	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		02/29/24 09:30	03/01/24 11:12	1
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		02/29/24 09:30	03/01/24 11:12	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		02/29/24 09:30	03/01/24 11:12	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		02/29/24 09:30	03/01/24 11:12	1
Boron	<0.0162	U	0.0500	0.0162	mg/L		02/29/24 09:30	03/01/24 11:12	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		02/29/24 09:30	03/01/24 11:12	1
Dissolved Calcium	<0.102	U	0.200	0.102	mg/L		02/29/24 09:30	03/01/24 11:12	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		02/29/24 09:30	03/01/24 11:12	1
Cobalt	<0.00123	U	0.0100	0.00123	mg/L		02/29/24 09:30	03/01/24 11:12	1
Copper	<0.00388	U	0.0200	0.00388	mg/L		02/29/24 09:30	03/01/24 11:12	1
Iron	<0.0283	U	0.200	0.0283	mg/L		02/29/24 09:30	03/01/24 11:12	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		02/29/24 09:30	03/01/24 11:12	1
Dissolved Magnesium	<0.0445	U	0.200	0.0445	mg/L		02/29/24 09:30	03/01/24 11:12	1
Manganese	<0.00436	U	0.0200	0.00436	mg/L		02/29/24 09:30	03/01/24 11:12	1

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

Lab Sample ID: MB 860-147483/1-B
Matrix: Water
Analysis Batch: 147846

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 147580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00260	U	0.0100	0.00260	mg/L		02/29/24 09:30	03/01/24 11:12	1
Nickel	<0.00177	U	0.0100	0.00177	mg/L		02/29/24 09:30	03/01/24 11:12	1
P	<0.0184	U	0.0400	0.0184	mg/L		02/29/24 09:30	03/01/24 11:12	1
Potassium	<0.106	U	0.500	0.106	mg/L		02/29/24 09:30	03/01/24 11:12	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		02/29/24 09:30	03/01/24 11:12	1
Silver	0.003820	J	0.0200	0.00371	mg/L		02/29/24 09:30	03/01/24 11:12	1
Sodium	<0.152	U	0.500	0.152	mg/L		02/29/24 09:30	03/01/24 11:12	1
Strontium	<0.00308	U	0.0200	0.00308	mg/L		02/29/24 09:30	03/01/24 11:12	1
Thallium	<0.0110	U	0.0200	0.0110	mg/L		02/29/24 09:30	03/01/24 11:12	1
Tin	<0.00689	U	0.0200	0.00689	mg/L		02/29/24 09:30	03/01/24 11:12	1
Titanium	<0.00397	U	0.0300	0.00397	mg/L		02/29/24 09:30	03/01/24 11:12	1
Vanadium	<0.00518	U	0.0200	0.00518	mg/L		02/29/24 09:30	03/01/24 11:12	1
SiO2	<0.370	U	1.07	0.370	mg/L		02/29/24 09:30	03/01/24 11:12	1
Zinc	<0.00837	U	0.0300	0.00837	mg/L		02/29/24 09:30	03/01/24 11:12	1
Phosphorus as PO4	<0.0564	U	0.123	0.0564	mg/L		02/29/24 09:30	03/01/24 11:12	1

Lab Sample ID: LCS 860-147483/2-B
Matrix: Water
Analysis Batch: 147846

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 147580

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.380		mg/L		108	80 - 120
Antimony	1.00	1.020		mg/L		102	80 - 120
Arsenic	1.00	1.060		mg/L		106	80 - 120
Barium	1.00	1.040		mg/L		104	80 - 120
Beryllium	1.00	1.030		mg/L		103	80 - 120
Boron	1.00	1.060		mg/L		106	80 - 120
Cadmium	1.00	0.9700		mg/L		97	80 - 120
Dissolved Calcium	25.0	25.90		mg/L		104	80 - 120
Chromium	1.00	1.030		mg/L		103	80 - 120
Cobalt	1.00	1.030		mg/L		103	80 - 120
Copper	1.00	1.030		mg/L		103	80 - 120
Iron	5.00	5.270		mg/L		105	80 - 120
Lead	1.00	1.050		mg/L		105	80 - 120
Dissolved Magnesium	25.0	25.40		mg/L		102	80 - 120
Manganese	1.00	1.060		mg/L		106	80 - 120
Molybdenum	1.00	1.060		mg/L		106	80 - 120
Nickel	1.00	1.020		mg/L		102	80 - 120
P	1.00	0.9990		mg/L		100	80 - 120
Potassium	10.0	10.10		mg/L		101	80 - 120
Selenium	1.00	1.010		mg/L		101	80 - 120
Silver	0.500	0.4620		mg/L		92	80 - 120
Sodium	25.0	25.70		mg/L		103	80 - 120
Strontium	1.00	1.020		mg/L		102	80 - 120
Thallium	1.00	1.060		mg/L		106	80 - 120
Tin	1.00	1.050		mg/L		105	80 - 120
Titanium	1.00	1.030		mg/L		103	80 - 120
Vanadium	1.00	1.070		mg/L		107	80 - 120
SiO2	21.4	22.47		mg/L		105	80 - 120

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

Lab Sample ID: LCS 860-147483/2-B
Matrix: Water
Analysis Batch: 147846

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 147580

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	1.00	1.060		mg/L		106	80 - 120

Lab Sample ID: LCSD 860-147483/3-B
Matrix: Water
Analysis Batch: 147846

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 147580

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5.00	5.340		mg/L		107	80 - 120	1	20
Antimony	1.00	1.020		mg/L		102	80 - 120	0	20
Arsenic	1.00	1.040		mg/L		104	80 - 120	2	20
Barium	1.00	1.030		mg/L		103	80 - 120	1	20
Beryllium	1.00	1.020		mg/L		102	80 - 120	1	20
Boron	1.00	1.060		mg/L		106	80 - 120	0	20
Cadmium	1.00	0.9600		mg/L		96	80 - 120	1	20
Dissolved Calcium	25.0	25.70		mg/L		103	80 - 120	1	20
Chromium	1.00	1.020		mg/L		102	80 - 120	1	20
Cobalt	1.00	1.020		mg/L		102	80 - 120	1	20
Copper	1.00	1.020		mg/L		102	80 - 120	1	20
Iron	5.00	5.220		mg/L		104	80 - 120	1	20
Lead	1.00	1.040		mg/L		104	80 - 120	1	20
Dissolved Magnesium	25.0	25.20		mg/L		101	80 - 120	1	20
Manganese	1.00	1.050		mg/L		105	80 - 120	1	20
Molybdenum	1.00	1.050		mg/L		105	80 - 120	1	20
Nickel	1.00	1.010		mg/L		101	80 - 120	1	20
P	1.00	1.010		mg/L		101	80 - 120	1	20
Potassium	10.0	10.10		mg/L		101	80 - 120	0	20
Selenium	1.00	0.9910		mg/L		99	80 - 120	2	20
Silver	0.500	0.4580		mg/L		92	80 - 120	1	20
Sodium	25.0	25.60		mg/L		102	80 - 120	0	20
Strontium	1.00	1.010		mg/L		101	80 - 120	1	20
Thallium	1.00	1.040		mg/L		104	80 - 120	2	20
Tin	1.00	1.040		mg/L		104	80 - 120	1	20
Titanium	1.00	1.020		mg/L		102	80 - 120	1	20
Vanadium	1.00	1.060		mg/L		106	80 - 120	1	20
SiO2	21.4	22.26		mg/L		104	80 - 120	1	20
Zinc	1.00	1.050		mg/L		105	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-146899/1-A
Matrix: Water
Analysis Batch: 147083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	<0.000211	U	0.00100	0.000211	mg/L		02/25/24 10:00	02/26/24 12:07	1

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

Lab Sample ID: LCS 860-146899/2-A
Matrix: Water
Analysis Batch: 147083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0250	0.02295		mg/L		92	80 - 120

Lab Sample ID: LCSD 860-146899/3-A
Matrix: Water
Analysis Batch: 147083

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146899

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.0250	0.02292		mg/L		92	80 - 120	0	20

Method: 6020B - Rare Earth Metals (ICP/MS)

Lab Sample ID: MB 860-146999/1-A
Matrix: Water
Analysis Batch: 147217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Au	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Dy	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Pr	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Zr	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
La	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Ce	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Nd	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Y	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Tb	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1
Eu	<0.00100	U	0.00100	0.00100	mg/L		02/26/24 10:30	02/27/24 13:08	1

Lab Sample ID: LCS 860-146999/2-A
Matrix: Water
Analysis Batch: 147217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Au	0.0500	0.05342		mg/L		107	80 - 120
Dy	0.0500	0.05368		mg/L		107	80 - 120
Pr	0.0500	0.05370		mg/L		107	80 - 120
Zr	0.0500	0.05344		mg/L		107	80 - 120
La	0.0500	0.05351		mg/L		107	80 - 120
Ce	0.0500	0.05353		mg/L		107	80 - 120
Nd	0.0500	0.05321		mg/L		106	80 - 120
Y	0.0500	0.05383		mg/L		108	80 - 120
Tb	0.0500	0.05349		mg/L		107	80 - 120
Eu	0.0500	0.05381		mg/L		108	80 - 120

Lab Sample ID: LCSD 860-146999/3-A
Matrix: Water
Analysis Batch: 147217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Au	0.0500	0.05288		mg/L		106	80 - 120	1	20
Dy	0.0500	0.05278		mg/L		106	80 - 120	2	20

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

Lab Sample ID: LCSD 860-146999/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 147218 — **Prep Batch: 146999**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pr	0.0500	0.05316		mg/L		106	80 - 120	1	20
Zr	0.0500	0.05284		mg/L		106	80 - 120	1	20
La	0.0500	0.05286		mg/L		106	80 - 120	1	20
Ce	0.0500	0.05307		mg/L		106	80 - 120	1	20
Nd	0.0500	0.05336		mg/L		107	80 - 120	0	20
Y	0.0500	0.05293		mg/L		106	80 - 120	2	20
Tb	0.0500	0.05295		mg/L		106	80 - 120	1	20
Eu	0.0500	0.05288		mg/L		106	80 - 120	2	20

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 860-147461/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 147461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	<1.57	U	5.00	1.57	mg/L			02/28/24 15:50	1

Lab Sample ID: LCS 860-147461/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 147461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM	40.0	39.00		mg/L		97	78 - 114

Lab Sample ID: LCSD 860-147461/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 147461

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM	40.0	40.20		mg/L		100	78 - 114	3	18

Method: 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 860-146459/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	<0.50	U	1.0	0.50	NTU			02/22/24 08:59	1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-147820/164 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 147820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0508	U	0.100	0.0508	mg/L			02/29/24 18:10	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 860-147820/165
Matrix: Water
Analysis Batch: 147820

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			1.00	1.085		mg/L		108	90 - 110		

Lab Sample ID: LCSD 860-147820/166
Matrix: Water
Analysis Batch: 147820

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia			1.00	1.085		mg/L		108	90 - 110	0	20

Method: 8000 - COD

Lab Sample ID: MB 860-147428/3
Matrix: Water
Analysis Batch: 147428

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<3.36	U	20.0	3.36	mg/L			02/28/24 14:01	1

Lab Sample ID: LCS 860-147428/4
Matrix: Water
Analysis Batch: 147428

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			100	108.0		mg/L		108	90 - 110		

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 147428

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	64.0		100	167.0		mg/L		103	90 - 110		

Lab Sample ID: 830-4968-1 MSD
Matrix: Water
Analysis Batch: 147428

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	64.0		100	167.0		mg/L		103	90 - 110	0	20

Method: 8146 - Iron, Ferrous

Lab Sample ID: MB 860-148866/3
Matrix: Water
Analysis Batch: 148866

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0280	U	0.0500	0.0280	mg/L			03/08/24 12:42	1

Method: 8146 - Iron, Ferrous (Continued)

Lab Sample ID: LCS 860-148866/4
Matrix: Water
Analysis Batch: 148866

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ferrous Iron			1.00	0.8100		mg/L		81	75 - 125		

Lab Sample ID: LCSD 860-148866/5
Matrix: Water
Analysis Batch: 148866

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
Ferrous Iron			1.00	0.8100		mg/L		81	75 - 125	0	25

Lab Sample ID: 830-4968-1 DU
Matrix: Water
Analysis Batch: 148866

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	<0.0280	U HF		<0.0280	U	mg/L				NC	25

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 860-148884/4-A
Matrix: Water
Analysis Batch: 148950

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 148884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<2.00	U	5.00	2.00	ug/L		03/08/24 13:54	03/08/24 18:21	1

Lab Sample ID: LCS 860-148884/5-A
Matrix: Water
Analysis Batch: 148950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 148884

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			200	213.4		ug/L		107	90 - 110		

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 148950

Client Sample ID: Post-Treated Water
Prep Type: Total/NA
Prep Batch: 148884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	8.08	H F1 ^2	100	83.63	F1	ug/L		76	90 - 110		

Lab Sample ID: 830-4968-1 MSD
Matrix: Water
Analysis Batch: 148950

Client Sample ID: Post-Treated Water
Prep Type: Total/NA
Prep Batch: 148884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	8.08	H F1 ^2	100	86.15	F1	ug/L		78	90 - 110	3	20

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 680-824768/1-A
Matrix: Water
Analysis Batch: 824778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<14.0	U	40.0	14.0	ug/L		02/26/24 08:12	02/26/24 09:56	1

Lab Sample ID: LCS 680-824768/2-A
Matrix: Water
Analysis Batch: 824778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	400	392.8		ug/L		98	60 - 140
TOX Result 2	400	392.8		ug/L		98	60 - 140

Lab Sample ID: LCSD 680-824768/14-A
Matrix: Water
Analysis Batch: 824778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1	400	457.9		ug/L		114	60 - 140	15	40
TOX Result 2	400	457.9		ug/L		114	60 - 140	15	40

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 824778

Client Sample ID: Post-Treated Water
Prep Type: Total/NA
Prep Batch: 824768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	54.7		400	400.8		ug/L		87	60 - 140
TOX Result 2	65.2		400	400.8		ug/L		84	60 - 140

Lab Sample ID: 830-4968-1 MSD
Matrix: Water
Analysis Batch: 824778

Client Sample ID: Post-Treated Water
Prep Type: Total/NA
Prep Batch: 824768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1	54.7		400	365.6		ug/L		78	60 - 140	9	40
TOX Result 2	65.2		400	365.6		ug/L		75	60 - 140	9	40

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-148225/2
Matrix: Water
Analysis Batch: 148225

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/04/24 16:24	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/04/24 16:24	1

Lab Sample ID: LCS 860-148225/3
Matrix: Water
Analysis Batch: 148225

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	247.9		mg/L		99	85 - 115

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-148225/4
Matrix: Water
Analysis Batch: 148225

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
Total Alkalinity as CaCO3			250	246.2		mg/L		98	85 - 115	1	20

Lab Sample ID: 830-4968-1 DU
Matrix: Water
Analysis Batch: 148225

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	27.3			24.73		mg/L				10	20
Bicarbonate Alkalinity as CaCO3	27.3			24.73		mg/L				10	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: 830-4968-1 DU
Matrix: Water
Analysis Batch: 148144

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	161			161.0		umho/cm @ 25C				0.2	20

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

Lab Sample ID: MB 860-147301/1
Matrix: Water
Analysis Batch: 147301

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	<5.00	U	5.00	5.00	mg/L			02/27/24 22:22	1

Lab Sample ID: LCS 860-147301/2
Matrix: Water
Analysis Batch: 147301

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			1000	1110		mg/L		111	80 - 120		

Lab Sample ID: LCSD 860-147301/3
Matrix: Water
Analysis Batch: 147301

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
Total Dissolved Solids			1000	1111		mg/L		111	80 - 120	0	10

Lab Sample ID: LLCS 860-147301/4
Matrix: Water
Analysis Batch: 147301

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			5.00	6.000		mg/L		120	50 - 150		

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

Lab Sample ID: MB 860-147432/1
Matrix: Water
Analysis Batch: 147432

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	<40.0	U	40.0	40.0	mg/L			02/28/24 14:11	1

Lab Sample ID: LCS 860-147432/2
Matrix: Water
Analysis Batch: 147432

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	10.0	11.10		mg/L		111	80 - 120

Lab Sample ID: LCSD 860-147432/3
Matrix: Water
Analysis Batch: 147432

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
Total Suspended Solids	10.0	11.10		mg/L		111	80 - 120	0	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 860-146366/3
Matrix: Water
Analysis Batch: 146366

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00200	U	0.0100	0.00200	mg/L			02/21/24 12:19	1

Lab Sample ID: LCS 860-146366/4
Matrix: Water
Analysis Batch: 146366

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.200	0.1861		mg/L		93	80 - 120

Lab Sample ID: LCSD 860-146366/5
Matrix: Water
Analysis Batch: 146366

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
Cr (VI)	0.200	0.1888		mg/L		94	80 - 120	1	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 860-147280/3
Matrix: Water
Analysis Batch: 147280

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.0400	U	0.100	0.0400	mg/L			02/27/24 19:32	1

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

Lab Sample ID: LCS 860-147280/4
Matrix: Water
Analysis Batch: 147280

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			1.00	1.079		mg/L		108	90 - 110		

Lab Sample ID: LCSD 860-147280/5
Matrix: Water
Analysis Batch: 147280

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			1.00	1.077		mg/L		108	90 - 110	0	20

Lab Sample ID: 830-4968-1 MS
Matrix: Water
Analysis Batch: 147280

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.0400	U F1	1.00	1.132	F1	mg/L		113	90 - 110		

Lab Sample ID: 830-4968-1 MSD
Matrix: Water
Analysis Batch: 147280

Client Sample ID: Post-Treated Water
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.0400	U F1	1.00	1.129	F1	mg/L		113	90 - 110	0	20

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

Lab Sample ID: MB 400-662988/38
Matrix: Water
Analysis Batch: 662988

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			03/01/24 03:24	1

Lab Sample ID: MB 400-662988/6
Matrix: Water
Analysis Batch: 662988

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			02/29/24 21:02	1

Lab Sample ID: LCS 400-662988/39
Matrix: Water
Analysis Batch: 662988

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			20.0	19.73		mg/L		99	85 - 115		

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

Lab Sample ID: LCSD 400-662988/40
Matrix: Water
Analysis Batch: 662988

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
Total Organic Carbon	20.0	19.77		mg/L		99	85 - 115	0	30

Lab Sample ID: MRL 400-662988/5
Matrix: Water
Analysis Batch: 662988

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.00	0.6582	J	mg/L		66	50 - 150

Method: SM 5310B - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 400-663053/1-A
Matrix: Water
Analysis Batch: 663051

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.500	U	1.00	0.500	mg/L			03/02/24 22:17	1

Lab Sample ID: LCS 400-663053/2-A
Matrix: Water
Analysis Batch: 663051

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	20.0	20.04		mg/L		100	85 - 115

Lab Sample ID: LCSD 400-663053/3-A
Matrix: Water
Analysis Batch: 663051

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	20.0	19.90		mg/L		99	85 - 115	1	30

Lab Sample ID: MRL 400-663051/5
Matrix: Water
Analysis Batch: 663051

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	0.6280	J	mg/L		63	50 - 150

Lab Sample ID: 830-4968-1 DU
Matrix: Water
Analysis Batch: 663051

Client Sample ID: Post-Treated Water
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dissolved Organic Carbon	3.45		3.187		mg/L		8	16

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-649953/1-A
Matrix: Water
Analysis Batch: 651013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649953

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.2895	U	0.513	0.514	3.00	0.896	pCi/L	02/27/24 09:46	03/05/24 07:29	1
Gross Beta	0.2716	U	0.484	0.485	4.00	0.814	pCi/L	02/27/24 09:46	03/05/24 07:29	1

Lab Sample ID: LCS 160-649953/2-A
Matrix: Water
Analysis Batch: 651013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649953

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.6	48.22		7.08	3.00	1.60	pCi/L	97	75 - 125

Lab Sample ID: LCSB 160-649953/3-A
Matrix: Water
Analysis Batch: 651013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649953

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	71.8	65.72		7.10	4.00	0.870	pCi/L	91	75 - 125

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-649852/1-A
Matrix: Water
Analysis Batch: 652976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649852

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	5.575	U	13.9	13.9		116	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Actinium-228	9.261	U	20.7	20.7		50.7	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Bismuth-212	0.000006830	U	109	109		199	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Bismuth-214	9.961	U	4.98	5.12		59.8	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Lead-210	-49.13	U	171	171		265	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Lead-212	4.164	U	16.5	16.5		28.1	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Lead-214	8.849	U	16.0	16.1		27.0	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Potassium-40	114.5		57.2	58.8		52.7	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Protactinium-231	0.0000	U	111	111		1190	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Radium-226	9.961	U G	4.98	5.12	50.0	59.8	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Radium-228	9.261	U G	20.7	20.7	50.0	50.7	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Thallium-208	2.403	U	4.62	4.63		12.9	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Thorium-232	9.261	U	20.7	20.7		50.7	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Thorium-234	-333.6	U	243	246		432	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Uranium 235	20.31	U	46.8	46.9		79.3	pCi/L	02/26/24 15:29	03/18/24 15:37	1
Uranium 238	-333.6	U	243	246		432	pCi/L	02/26/24 15:29	03/18/24 15:37	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: LCS 160-649852/2-A
Matrix: Water
Analysis Batch: 652973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649852

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Americium-241	135000	135600		15900		442	pCi/L	101	75 - 125
Cesium-137	39900	40730		4800		115	pCi/L	102	75 - 125
Cobalt-60	15700	16150		1910		78.1	pCi/L	103	75 - 125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-649792/1-A
Matrix: Water
Analysis Batch: 653003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649792

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02079	U	0.0392	0.0392	1.00	0.0964	pCi/L	02/26/24 10:37	03/19/24 07:17	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*02/26/24 10:37*	*03/19/24 07:17*	*1*

Lab Sample ID: LCS 160-649792/2-A
Matrix: Water
Analysis Batch: 653018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649792

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.49		1.09	1.00	0.0998	pCi/L	93	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-649795/1-A
Matrix: Water
Analysis Batch: 651960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649795

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2058	U	0.220	0.221	1.00	0.473	pCi/L	02/26/24 10:43	03/11/24 11:40	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*02/26/24 10:43*	*03/11/24 11:40*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/26/24 10:43*	*03/11/24 11:40*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-649795/2-A
Matrix: Water
Analysis Batch: 651960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649795

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.13	9.904		1.29	1.00	0.440	pCi/L	108	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

Method: 905 - Strontium-90 (GFPC)

Lab Sample ID: MB 160-649797/1-A
Matrix: Water
Analysis Batch: 651035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649797

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.1129	U	0.175	0.175	3.00	0.295	pCi/L	02/26/24 10:54	03/05/24 14:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*80.1*		*30 - 110*	*02/26/24 10:54*	*03/05/24 14:52*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/26/24 10:54*	*03/05/24 14:52*	*1*

Lab Sample ID: LCS 160-649797/2-A
Matrix: Water
Analysis Batch: 651035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649797

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Strontium-90			7.18	8.021		0.888	3.00	0.328	pCi/L	112	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Sr Carrier	*84.2*		*30 - 110*
Y Carrier	*80.0*		*30 - 110*

QC Association Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

GC/MS VOA

Analysis Batch: 147372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8260D	
MB 860-147372/9	Method Blank	Total/NA	Water	8260D	
LCS 860-147372/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 860-147372/4	Lab Control Sample Dup	Total/NA	Water	8260D	
830-4968-1 MS	Post-Treated Water	Total/NA	Water	8260D	

Analysis Batch: 147524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1 - RA	Post-Treated Water	Total/NA	Water	8260D	
MB 860-147524/22	Method Blank	Total/NA	Water	8260D	
LCS 860-147524/1011	Lab Control Sample	Total/NA	Water	8260D	
LCSD 860-147524/12	Lab Control Sample Dup	Total/NA	Water	8260D	
830-4968-1 MS	Post-Treated Water	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 146819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3510C	
MB 860-146819/1-A	Method Blank	Total/NA	Water	3510C	
LCS 860-146819/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 860-146819/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 146841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8270E LL	146819
MB 860-146819/1-A	Method Blank	Total/NA	Water	8270E LL	146819
LCS 860-146819/2-A	Lab Control Sample	Total/NA	Water	8270E LL	146819
LCSD 860-146819/3-A	Lab Control Sample Dup	Total/NA	Water	8270E LL	146819

Analysis Batch: 146993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8270D SIM	147011
MB 860-147011/1-A	Method Blank	Total/NA	Water	8270D SIM	147011
LCS 860-147011/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	147011
LCSD 860-147011/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	147011

Prep Batch: 147011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3511	
MB 860-147011/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-147011/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-147011/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 413719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	Organotin	
MB 570-413719/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-413719/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-413719/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

QC Association Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

GC/MS Semi VOA

Analysis Batch: 414280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	Organotins SIM	413719
MB 570-413719/1-A	Method Blank	Total/NA	Water	Organotins SIM	413719
LCS 570-413719/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	413719
LCSD 570-413719/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	413719

GC Semi VOA

Analysis Batch: 143859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8015 NM	

Prep Batch: 146277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8151A	
MB 860-146277/1-A	Method Blank	Total/NA	Water	8151A	
LCS 860-146277/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 860-146277/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 146458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8151A	146277
MB 860-146277/1-A	Method Blank	Total/NA	Water	8151A	146277
LCS 860-146277/2-A	Lab Control Sample	Total/NA	Water	8151A	146277
LCSD 860-146277/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	146277

Analysis Batch: 146954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8081B_LL	147139
MB 860-147139/1-A	Method Blank	Total/NA	Water	8081B_LL	147139
LCS 860-147139/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	147139
LCSD 860-147139/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	147139

Prep Batch: 146976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8015NM Aq Prep	
MB 860-146976/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-146976/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-146976/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Prep Batch: 147139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3510C	
MB 860-147139/1-A	Method Blank	Total/NA	Water	3510C	
LCS 860-147139/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 860-147139/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 860-147139/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 860-147139/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 147142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8082A	147139

GC Semi VOA (Continued)

Analysis Batch: 147142 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-147139/1-A	Method Blank	Total/NA	Water	8082A	147139
LCS 860-147139/4-A	Lab Control Sample	Total/NA	Water	8082A	147139
LCSD 860-147139/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	147139

Analysis Batch: 147157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-146976/1-A	Method Blank	Total/NA	Water	8015B NM	146976
LCS 860-146976/2-A	Lab Control Sample	Total/NA	Water	8015B NM	146976
LCSD 860-146976/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	146976

Analysis Batch: 148813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8015B NM	146976

Prep Batch: 460552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3510C	
MB 180-460552/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-460552/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-460552/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 460567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	EPA 8141B	460552
MB 180-460552/1-A	Method Blank	Total/NA	Water	EPA 8141B	460552
LCS 180-460552/2-A	Lab Control Sample	Total/NA	Water	EPA 8141B	460552
LCSD 180-460552/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8141B	460552

HPLC/IC

Analysis Batch: 146152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	300.0	
MB 860-146152/3	Method Blank	Total/NA	Water	300.0	
LCS 860-146152/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-146152/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-146152/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 146153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	300.0	
MB 860-146153/3	Method Blank	Total/NA	Water	300.0	
LCS 860-146153/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-146153/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-146153/6	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 147038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	CWA_Prep	
MB 860-147038/1-A	Method Blank	Total/NA	Water	CWA_Prep	
LCS 860-147038/2-A	Lab Control Sample	Total/NA	Water	CWA_Prep	

HPLC/IC (Continued)

Prep Batch: 147038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-147038/3-A	Lab Control Sample Dup	Total/NA	Water	CWA_Prep	

Analysis Batch: 147897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	632	147038
MB 860-147038/1-A	Method Blank	Total/NA	Water	632	147038
LCS 860-147038/2-A	Lab Control Sample	Total/NA	Water	632	147038
LCSD 860-147038/3-A	Lab Control Sample Dup	Total/NA	Water	632	147038

Analysis Batch: 149577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	VFA - HPLC	
MB 860-149577/3	Method Blank	Total/NA	Water	VFA - HPLC	
LCS 860-149577/4	Lab Control Sample	Total/NA	Water	VFA - HPLC	
LCSD 860-149577/5	Lab Control Sample Dup	Total/NA	Water	VFA - HPLC	

Prep Batch: 476810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8330-Prep	
MB 410-476810/1-A	Method Blank	Total/NA	Water	8330-Prep	
LCS 410-476810/2-A	Lab Control Sample	Total/NA	Water	8330-Prep	
LCS 410-476810/4-A	Lab Control Sample	Total/NA	Water	8330-Prep	
LCSD 410-476810/3-A	Lab Control Sample Dup	Total/NA	Water	8330-Prep	
LCSD 410-476810/5-A	Lab Control Sample Dup	Total/NA	Water	8330-Prep	

Analysis Batch: 477175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8330B	476810
MB 410-476810/1-A	Method Blank	Total/NA	Water	8330B	476810
LCS 410-476810/2-A	Lab Control Sample	Total/NA	Water	8330B	476810
LCS 410-476810/4-A	Lab Control Sample	Total/NA	Water	8330B	476810
LCSD 410-476810/3-A	Lab Control Sample Dup	Total/NA	Water	8330B	476810
LCSD 410-476810/5-A	Lab Control Sample Dup	Total/NA	Water	8330B	476810

LCMS

Analysis Batch: 476314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SW846 6850	476922
MB 410-476922/1-A	Method Blank	Total/NA	Water	SW846 6850	476922
LCS 410-476922/2-A	Lab Control Sample	Total/NA	Water	SW846 6850	476922
LCSD 410-476922/3-A	Lab Control Sample Dup	Total/NA	Water	SW846 6850	476922

Prep Batch: 476922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	6850 Prep	
MB 410-476922/1-A	Method Blank	Total/NA	Water	6850 Prep	
LCS 410-476922/2-A	Lab Control Sample	Total/NA	Water	6850 Prep	
LCSD 410-476922/3-A	Lab Control Sample Dup	Total/NA	Water	6850 Prep	

LCMS

Prep Batch: 479959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SPE	

Analysis Batch: 480216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	537 IDA	479959

Specialty Organics

Prep Batch: 477413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8290A	
MB 410-477413/1-A	Method Blank	Total/NA	Water	8290A	
LCS 410-477413/2-A	Lab Control Sample	Total/NA	Water	8290A	

Analysis Batch: 478912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8290A	477413

Analysis Batch: 479087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-477413/1-A	Method Blank	Total/NA	Water	8290A	477413
LCS 410-477413/2-A	Lab Control Sample	Total/NA	Water	8290A	477413

Metals

Prep Batch: 146899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3010A	
MB 860-146899/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-146899/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-146899/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 146910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3010A	
MB 860-146910/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-146910/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-146910/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 146999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	3010A	
MB 860-146999/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-146999/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-146999/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 147083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	6020B	146899
MB 860-146899/1-A	Method Blank	Total/NA	Water	6020B	146899
LCS 860-146899/2-A	Lab Control Sample	Total/NA	Water	6020B	146899
LCSD 860-146899/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	146899

Metals

Analysis Batch: 147217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	6020B	146999
MB 860-146999/1-A	Method Blank	Total/NA	Water	6020B	146999
LCS 860-146999/2-A	Lab Control Sample	Total/NA	Water	6020B	146999
LCSD 860-146999/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	146999

Analysis Batch: 147218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	6020B	146999
MB 860-146999/1-A	Method Blank	Total/NA	Water	6020B	146999
LCS 860-146999/2-A	Lab Control Sample	Total/NA	Water	6020B	146999
LCSD 860-146999/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	146999

Analysis Batch: 147356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	6010D	146910
MB 860-146910/1-A	Method Blank	Total/NA	Water	6010D	146910
LCS 860-146910/2-A	Lab Control Sample	Total/NA	Water	6010D	146910
LCSD 860-146910/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	146910

Filtration Batch: 147483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Dissolved	Water	Filtration	
MB 860-147483/1-B	Method Blank	Dissolved	Water	Filtration	
LCS 860-147483/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-147483/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	

Prep Batch: 147580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Dissolved	Water	3010A	147483
MB 860-147483/1-B	Method Blank	Dissolved	Water	3010A	147483
LCS 860-147483/2-B	Lab Control Sample	Dissolved	Water	3010A	147483
LCSD 860-147483/3-B	Lab Control Sample Dup	Dissolved	Water	3010A	147483

Analysis Batch: 147647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 2340B	

Analysis Batch: 147846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Dissolved	Water	6010D	147580
MB 860-147483/1-B	Method Blank	Dissolved	Water	6010D	147580
LCS 860-147483/2-B	Lab Control Sample	Dissolved	Water	6010D	147580
LCSD 860-147483/3-B	Lab Control Sample Dup	Dissolved	Water	6010D	147580

General Chemistry

Analysis Batch: 138272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM4500 S2 H	

General Chemistry

Analysis Batch: 144137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 3500	

Analysis Batch: 146366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 3500 CR B	
MB 860-146366/3	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 860-146366/4	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 860-146366/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 146459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	180.1	
MB 860-146459/3	Method Blank	Total/NA	Water	180.1	
LCS 860-146459/4	Lab Control Sample	Total/NA	Water	180.1	
LCSD 860-146459/5	Lab Control Sample Dup	Total/NA	Water	180.1	
LLCS 860-146459/6	Lab Control Sample	Total/NA	Water	180.1	

Analysis Batch: 146574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	360.1	

Analysis Batch: 147280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 4500 S2 D	
MB 860-147280/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 860-147280/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 860-147280/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
830-4968-1 MS	Post-Treated Water	Total/NA	Water	SM 4500 S2 D	
830-4968-1 MSD	Post-Treated Water	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 147301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 2540C	
MB 860-147301/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-147301/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-147301/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-147301/4	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 147428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8000	
MB 860-147428/3	Method Blank	Total/NA	Water	8000	
LCS 860-147428/4	Lab Control Sample	Total/NA	Water	8000	
830-4968-1 MS	Post-Treated Water	Total/NA	Water	8000	
830-4968-1 MSD	Post-Treated Water	Total/NA	Water	8000	

Analysis Batch: 147432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 2540D	
MB 860-147432/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 860-147432/2	Lab Control Sample	Total/NA	Water	SM 2540D	

General Chemistry (Continued)

Analysis Batch: 147432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-147432/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 147461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	1664B	
MB 860-147461/1	Method Blank	Total/NA	Water	1664B	
LCS 860-147461/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 860-147461/3	Lab Control Sample Dup	Total/NA	Water	1664B	

Analysis Batch: 147820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	350.1	
MB 860-147820/164	Method Blank	Total/NA	Water	350.1	
LCS 860-147820/165	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-147820/166	Lab Control Sample Dup	Total/NA	Water	350.1	

Analysis Batch: 148144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 2510B	
LCS 860-148144/2	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 860-148144/3	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
LLCS 860-148144/4	Lab Control Sample	Total/NA	Water	SM 2510B	
830-4968-1 DU	Post-Treated Water	Total/NA	Water	SM 2510B	

Analysis Batch: 148225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 2320B	
MB 860-148225/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-148225/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-148225/4	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
830-4968-1 DU	Post-Treated Water	Total/NA	Water	SM 2320B	

Analysis Batch: 148866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	8146	
MB 860-148866/3	Method Blank	Total/NA	Water	8146	
LCS 860-148866/4	Lab Control Sample	Total/NA	Water	8146	
LCSD 860-148866/5	Lab Control Sample Dup	Total/NA	Water	8146	
830-4968-1 DU	Post-Treated Water	Total/NA	Water	8146	

Prep Batch: 148884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	9012B	
MB 860-148884/4-A	Method Blank	Total/NA	Water	9012B	
LCS 860-148884/5-A	Lab Control Sample	Total/NA	Water	9012B	
830-4968-1 MS	Post-Treated Water	Total/NA	Water	9012B	
830-4968-1 MSD	Post-Treated Water	Total/NA	Water	9012B	

Analysis Batch: 148950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	9012B	148884

General Chemistry (Continued)

Analysis Batch: 148950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-148884/4-A	Method Blank	Total/NA	Water	9012B	148884
LCS 860-148884/5-A	Lab Control Sample	Total/NA	Water	9012B	148884
830-4968-1 MS	Post-Treated Water	Total/NA	Water	9012B	148884
830-4968-1 MSD	Post-Treated Water	Total/NA	Water	9012B	148884

Analysis Batch: 149315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-149315/2	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 860-149315/25	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
LLCS 860-149315/3	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 149316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 662988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	SM 5310B	
MB 400-662988/38	Method Blank	Total/NA	Water	SM 5310B	
MB 400-662988/6	Method Blank	Total/NA	Water	SM 5310B	
LCS 400-662988/39	Lab Control Sample	Total/NA	Water	SM 5310B	
LCSD 400-662988/40	Lab Control Sample Dup	Total/NA	Water	SM 5310B	
MRL 400-662988/5	Lab Control Sample	Total/NA	Water	SM 5310B	

Analysis Batch: 663051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Dissolved	Water	SM 5310B	663053
MB 400-663053/1-A	Method Blank	Dissolved	Water	SM 5310B	663053
LCS 400-663053/2-A	Lab Control Sample	Dissolved	Water	SM 5310B	663053
LCSD 400-663053/3-A	Lab Control Sample Dup	Dissolved	Water	SM 5310B	663053
MRL 400-663051/5	Lab Control Sample	Dissolved	Water	SM 5310B	
830-4968-1 DU	Post-Treated Water	Dissolved	Water	SM 5310B	663053

Filtration Batch: 663053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Dissolved	Water	FILTRATION	
MB 400-663053/1-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 400-663053/2-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 400-663053/3-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
830-4968-1 DU	Post-Treated Water	Dissolved	Water	FILTRATION	

Prep Batch: 824768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	Carbon Trap	
MB 680-824768/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 680-824768/2-A	Lab Control Sample	Total/NA	Water	Carbon Trap	
LCSD 680-824768/14-A	Lab Control Sample Dup	Total/NA	Water	Carbon Trap	
830-4968-1 MS	Post-Treated Water	Total/NA	Water	Carbon Trap	
830-4968-1 MSD	Post-Treated Water	Total/NA	Water	Carbon Trap	

QC Association Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

General Chemistry

Analysis Batch: 824778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	9020B	824768
MB 680-824768/1-A	Method Blank	Total/NA	Water	9020B	824768
LCS 680-824768/2-A	Lab Control Sample	Total/NA	Water	9020B	824768
LCSD 680-824768/14-A	Lab Control Sample Dup	Total/NA	Water	9020B	824768
830-4968-1 MS	Post-Treated Water	Total/NA	Water	9020B	824768
830-4968-1 MSD	Post-Treated Water	Total/NA	Water	9020B	824768

Rad

Prep Batch: 649792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	PrecSep-21	
MB 160-649792/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649792/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 649795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	PrecSep_0	
MB 160-649795/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649795/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 649797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	PrecSep-7	
MB 160-649797/1-A	Method Blank	Total/NA	Water	PrecSep-7	
LCS 160-649797/2-A	Lab Control Sample	Total/NA	Water	PrecSep-7	

Prep Batch: 649852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	Fill_Geo-21	
MB 160-649852/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-649852/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 649953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4968-1	Post-Treated Water	Total/NA	Water	Evaporation	
MB 160-649953/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-649953/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-649953/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Lab Chronicle

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	147372	02/28/24 13:42	NA	EET HOU
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	147524	02/29/24 12:59	NA	EET HOU
Total/NA	Prep	3511			55.00 mL	2.00 mL	147011	02/26/24 12:19	DR	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	146993	02/26/24 19:05	PXS	EET HOU
Total/NA	Prep	3510C			250 mL	1.00 mL	146819	02/24/24 05:15	DR	EET HOU
Total/NA	Analysis	8270E LL		1	1 mL	1 mL	146841	02/24/24 15:24	PXS	EET HOU
Total/NA	Prep	Organotin			1018.8 mL	1 mL	413719	02/23/24 17:04	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	414280	02/26/24 19:11	ULLI	EET CAL 4
Total/NA	Analysis	8015 NM		1			143859	03/08/24 15:29	ELJ	EET HOU
Total/NA	Prep	8015NM Aq Prep			30.00 mL	3.00 mL	146976	02/26/24 09:26	DR	EET HOU
Total/NA	Analysis	8015B NM		1			148813	03/08/24 15:29	KN	EET HOU
Total/NA	Prep	3510C			1000 mL	1 mL	147139	02/27/24 08:18	BH	EET HOU
Total/NA	Analysis	8081B_LL		1			146954	02/27/24 14:51	WP	EET HOU
Total/NA	Prep	3510C			1000 mL	1 mL	147139	02/27/24 08:18	BH	EET HOU
Total/NA	Analysis	8082A		1			147142	02/27/24 14:49	WP	EET HOU
Total/NA	Prep	8151A			52.8 mL	4 mL	146277	02/21/24 10:07	TH	EET HOU
Total/NA	Analysis	8151A		1			146458	02/22/24 18:03	WP	EET HOU
Total/NA	Prep	3510C			1040 mL	1.0 mL	460552	02/25/24 21:40	CBY	EET PIT
Total/NA	Analysis	EPA 8141B		1	1 mL	1 mL	460567	02/26/24 14:27	C1F	EET PIT
Total/NA	Analysis	300.0		1			146152	02/21/24 20:07	A1S	EET HOU
Total/NA	Analysis	300.0		1			146153	02/21/24 20:07	A1S	EET HOU
Total/NA	Prep	CWA_Prep			1000 mL	10 mL	147038	02/26/24 14:17	DR	EET HOU
Total/NA	Analysis	632		1			147897	03/01/24 01:45	YG	EET HOU
Total/NA	Prep	8330-Prep			500 mL	10 mL	476810	02/26/24 10:11	U9KU	ELLE
Total/NA	Analysis	8330B		1			477175	02/27/24 05:35	GM5C	ELLE
Total/NA	Analysis	VFA - HPLC		1			149577	03/14/24 00:22	AA	EET HOU
Total/NA	Prep	SPE			250.5 mL	1 mL	479959	03/05/24 16:06	D5VP	ELLE
Total/NA	Analysis	537 IDA		1			480216	03/06/24 16:43	R7RE	ELLE
Total/NA	Prep	6850 Prep			10 mL	10 mL	476922	02/26/24 09:51	VVE5	ELLE
Total/NA	Analysis	SW846 6850		1	1 mL	1 mL	476314	02/28/24 18:45	VVE5	ELLE
Total/NA	Prep	8290A			1003.2 mL	20 uL	477413	02/27/24 10:17	UJSZ	ELLE
Total/NA	Analysis	8290A		1	20 uL	0 mL	478912	03/03/24 11:36	RGA5	ELLE
Dissolved	Filtration	Filtration			250 mL	200 mL	147483	02/27/24 17:00	MD	EET HOU
Dissolved	Prep	3010A			50 mL	50 mL	147580	02/29/24 09:30	MD	EET HOU
Dissolved	Analysis	6010D		1			147846	03/01/24 13:52	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	146910	02/25/24 12:30	MD	EET HOU
Total/NA	Analysis	6010D		1			147356	02/27/24 18:49	JDM	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	146899	02/25/24 10:00	MD	EET HOU
Total/NA	Analysis	6020B		1			147083	02/26/24 12:52	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	146999	02/26/24 10:30	MD	EET HOU
Total/NA	Analysis	6020B		1			147217	02/27/24 13:35	DP	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	146999	02/26/24 10:30	MD	EET HOU
Total/NA	Analysis	6020B		1			147218	02/27/24 13:35	DP	EET HOU

Lab Chronicle

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Client Sample ID: Post-Treated Water

Date Collected: 02/20/24 12:30
Date Received: 02/20/24 15:00

Lab Sample ID: 830-4968-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2340B		1			147647	02/29/24 13:51	JDM	EET HOU
Total/NA	Analysis	1664B		1	1000 mL	1000 mL	147461	02/28/24 15:50	TB	EET HOU
Total/NA	Analysis	180.1		1			146459	02/22/24 08:59	ADL	EET HOU
Total/NA	Analysis	350.1		1	10 mL	10 mL	147820	02/29/24 19:15	ADL	EET HOU
Total/NA	Analysis	360.1		1			146574	02/22/24 18:01	HN	EET HOU
Total/NA	Analysis	8000		1	2 mL	2 mL	147428	02/28/24 14:10	HN	EET HOU
Total/NA	Analysis	8146		1	25 mL	25 mL	148866	03/08/24 12:42	SCI	EET HOU
Total/NA	Prep	9012B			6 mL	6 mL	148884	03/08/24 13:54	SA	EET HOU
Total/NA	Analysis	9012B		1			148950	03/08/24 18:23	HN	EET HOU
Total/NA	Prep	Carbon Trap			25 mL	100 mL	824768	02/26/24 08:12	CLJ	EET SAV
Total/NA	Analysis	9020B		1			824778	02/26/24 12:58	CLJ	EET SAV
Total/NA	Analysis	SM 2320B		1			148225	03/04/24 18:22	SC	EET HOU
Total/NA	Analysis	SM 2510B		1			148144	03/04/24 15:16	SCI	EET HOU
Total/NA	Analysis	SM 2540C		1	200 mL	200 mL	147301	02/27/24 22:22	FN	EET HOU
Total/NA	Analysis	SM 2540D		1	600 mL	1000 mL	147432	02/28/24 14:11	YG	EET HOU
Total/NA	Analysis	SM 3500		1			144137	03/10/24 19:23	MC	EET HOU
Total/NA	Analysis	SM 3500 CR B		1	25 mL	25 mL	146366	02/21/24 17:59	SCI	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			149316	03/12/24 10:36	SC	EET HOU
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	147280	02/27/24 19:32	SCI	EET HOU
Dissolved	Filtration	FILTRATION			1.0 mL	1.0 mL	663053	03/02/24 14:17	DEK	EET PEN
Dissolved	Analysis	SM 5310B		1			663051	03/02/24 23:00	DEK	EET PEN
Total/NA	Analysis	SM 5310B		1	50 mL	50 mL	662988	03/01/24 07:48	DEK	EET PEN
Total/NA	Analysis	SM4500 S2 H		1			138272	03/21/24 17:23	MC	EET HOU
Total/NA	Prep	Evaporation			200.00 mL	1.0 g	649953	02/27/24 09:46	ASG	EET SL
Total/NA	Analysis	900.0		1			651016	03/05/24 07:44	CMM	EET SL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	649852	02/26/24 15:29	SAC	EET SL
Total/NA	Analysis	901.1		1			652978	03/18/24 17:09	CAH	EET SL
Total/NA	Prep	PrecSep-21			997.14 mL	1.0 g	649792	02/26/24 10:37	KAC	EET SL
Total/NA	Analysis	903.0		1			653003	03/19/24 07:20	SWS	EET SL
Total/NA	Prep	PrecSep_0			997.14 mL	1.0 g	649795	02/26/24 10:43	KAC	EET SL
Total/NA	Analysis	904.0		1	1.0 mL	1.0 mL	651790	03/11/24 11:44	FLC	EET SL
Total/NA	Prep	PrecSep-7			989.74 mL	1.0 g	649797	02/26/24 10:54	KAC	EET SL
Total/NA	Analysis	905		1			651035	03/05/24 14:56	FLC	EET SL

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: New Mexico State University
Job ID: 830-4968-1
Project/Site: Water Quality Analysis

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-24
California	Los Angeles County Sanitation Districts	10109	08-01-24
California	State	3082	07-31-24
Kansas	NELAP	E-10420	08-01-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-03-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-24
A2LA	ISO/IEC 17025	0001.01	11-30-24
Alabama	State	43200	01-31-25
Alaska	State	PA00009	06-30-24
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-11-24
Arkansas DEQ	State	88-00660	08-09-24
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-24
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Florida	NELAP	E87997	06-30-24
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Kansas	NELAP	E-10151	10-31-24
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-24
Kentucky (WW)	State	KY90088	12-31-23 *
Louisiana (All)	NELAP	02055	06-30-24
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-24
Massachusetts	State	M-PA009	06-30-24
Michigan	State	9930	01-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: New Mexico State University
Job ID: 830-4968-1
Project/Site: Water Quality Analysis

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Minnesota	NELAP	042-999-487	12-31-24
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-24
New York	NELAP	10670	04-01-24
North Carolina (DW)	State	42705	07-31-24
North Carolina (WW/SW)	State	521	12-31-24
Oklahoma	NELAP	9804	08-31-24
Oregon	NELAP	PA200001	09-11-24
Pennsylvania	NELAP	36-00037	01-28-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-24
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-24 *
Tennessee	State	02838	01-31-25
Texas	NELAP	T104704194-23-46	08-31-24
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-24
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-24
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-24
Wyoming (UST)	A2LA	0001.01	11-30-24

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Client: New Mexico State University
Job ID: 830-4968-1
Project/Site: Water Quality Analysis

Laboratory: Eurofins Pensacola (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-24
California	State	2891	04-30-24
Connecticut	State	PH-0688	09-30-24
Florida	NELAP	E871008	06-30-24
Georgia	State	PA 02-00416	04-30-24
Illinois	NELAP	004375	06-30-24
Kansas	NELAP	E-10350	01-31-25
Kentucky (UST)	State	162013	04-30-23 *
Kentucky (WW)	State	KY98043	12-31-23 *
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-24
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-24
New Hampshire	NELAP	2030	04-04-24
New Jersey	NELAP	PA005	06-30-24
New York	NELAP	11182	04-01-24
North Carolina (WW/SW)	State	434	12-31-24
North Dakota	State	R-227	04-30-24
Oregon	NELAP	PA-2151	02-06-25
Pennsylvania	NELAP	02-00416	04-30-24
Rhode Island	State	LAO00362	12-31-22 *
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-24
US Fish & Wildlife	US Federal Programs	058448	03-31-24
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462019-8	05-31-24
Virginia	NELAP	10043	07-14-24
West Virginia DEP	State	142	01-31-25
Wisconsin	State	998027800	08-31-24

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas (DW)	State	GA00006	06-30-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2939	06-30-24
Florida	NELAP	E87052	06-30-24
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-24
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24
Louisiana (DW)	State	LA009	12-31-24
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-24
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-24
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: New Mexico State University
Job ID: 830-4968-1
Project/Site: Water Quality Analysis

Laboratory: Eurofins St. Louis (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET HOU
8270E LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET HOU
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	EET CAL 4
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8081B_LL	Organochlorine Pesticides (GC)	SW846	EET HOU
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	EET HOU
8151A	Herbicides (GC)	SW846	EET HOU
EPA 8141B	Organophosphorous Pesticides (GC)	SW846	EET PIT
300.0	Anions, Ion Chromatography	EPA	EET HOU
632	Carbamate and Urea Pesticides (HPLC)	EPA-01	EET HOU
8330B	Nitroaromatics and Nitramines (HPLC)	SW846	ELLE
VFA - HPLC	Volatile Fatty Acids (HPLC/UV)	Lab SOP	EET HOU
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
SW846 6850	Perchlorate by LC/MS or LC/MS/MS	SW846	ELLE
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	ELLE
6010D	Metals (ICP)	SW846	EET HOU
6020B	Metals (ICP/MS)	SW846	EET HOU
6020B	Rare Earth Metals (ICP/MS)	SW846	EET HOU
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET HOU
1664B	HEM and SGT-HEM	1664B	EET HOU
180.1	Turbidity, Nephelometric	EPA	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
360.1	Oxygen, Dissolved	EPA	EET HOU
8000	COD	Hach	EET HOU
8146	Iron, Ferrous	Hach	EET HOU
9012B	Cyanide, Total andor Amenable	SW846	EET HOU
9020B	Organic Halides, Total (TOX)	SW846	EET SAV
SM 2320B	Alkalinity	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
SM 2540D	Solids, Total Suspended (TSS)	SM	EET HOU
SM 3500	Iron, Ferric	SM	EET HOU
SM 3500 CR B	Chromium, Hexavalent	SM	EET HOU
SM 4500 H+ B	pH	SM	EET HOU
SM 4500 S2 D	Sulfide, Total	SM	EET HOU
SM 5310B	Organic Carbon, Dissolved (DOC)	SM	EET PEN
SM 5310B	Organic Carbon, Total (TOC)	SM	EET PEN
SM4500 S2 H	Unionized Hydrogen Sulfide	SM	EET HOU
Subcontract	Method 1003.0: Green Algae-Selenastrum capricornutum Chronic Toxicity Test	None	EET MID
3010A	Preparation, Total Metals	SW846	EET HOU
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET HOU
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3511	Microextraction of Organic Compounds	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU
6850 Prep	Perchlorate Water Prep	EPA	ELLE
8015NM Aq Prep	Microextraction	SW846	EET HOU
8151A	Extraction (Herbicides)	SW846	EET HOU
8290A	Separatory Funnel (Liquid-Liquid) Extraction of Dioxins and Furans	SW846	ELLE
8330-Prep	Solid-Phase Extraction (Explosives)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET HOU
Carbon Trap	Carbon Trap Preparation	EPA-17	EET SAV

Method Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Method	Method Description	Protocol	Laboratory
CWA_Prep	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
Filtration	Sample Filtration	None	EET HOU
FILTRATION	Sample Filtration	None	EET PEN
Organotin	Extraction (Organotins)	WRC	EET CAL 4
SPE	PFAS by SPE	Lab SOP	ELLE

Protocol References:

1664B = EPA-821-98-002
EPA = US Environmental Protection Agency
EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.
EPA-17 = "Method 1650, Revision A, Adsorbable Organic Halides By Adsorption And Colormetric Titration," EPA, February 1992
Hach = Hach Company
Lab SOP = Laboratory Standard Operating Procedure
None = None
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.
WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: New Mexico State University
Project/Site: Water Quality Analysis

Job ID: 830-4968-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
830-4968-1	Post-Treated Water	Water	02/20/24 12:30	02/20/24 15:00

Eurofins J3 Resources, Inc.
6110 W. 34th Street, Houston, Texas 77092
Phone: (713) 290-0221 Fax: (713) 290-0248

Asbestos in Water by Transmission Electron Microscopy (TEM)
EPA/600/R-94/134 - (EPA 100.2)

John Builes
Eurofins XENCO Laboratories
4143 Greenbriar Drive
Stafford, TX 77477

Order #: 3549597
Project #: 88001781 / 830-4968-1
Receipt Date/Time: 02-26-2024 18:00
Analysis Date: 03/04/2024
Report Date: 03/04/2024

Water Quality Analysis

Client Sample ID	Sample Collection Date/Time	Sample Filtration Date/Time	Aliquot Volume (mL)	Dilution Factor	Asbestos Structures (> 0.5 µm)	Asbestos Structures (> 10 µm)	Asbestos Type	Analytical Sensitivity	Asbestos Concentration	95% Confidence Limits (Lower - Upper)
Post-Treated Water (830-4968-1)	2/20/24 12:30	2/27/24 9:15	70	1	0	0	**None Detected**	0.19	**< 0.19**	**< 0.19 - 0.72 MFL**

Analyst: Taylor Smylie

Scott M. Ward, Ph.D. Lab Director

This report relates only to the samples tested. This report is for the exclusive use of the addressed client and shall not be reproduced except in full, without written approval by Eurofins J3 Resources, Inc. (EJ3). All samples received in good condition and filtered within 48 hours of receipt unless otherwise noted. Only asbestos structures greater than 10µm are considered in calculating asbestos concentration in MFL. This report shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. mL = Milliliters; MFL = Million Fibers per Liter; N/A = Not Applicable
* - Indicates sample was received outside of holding time for method.

NVLAP Lab Code: 200525-0 **TDSHS License: 30-0273**

FedEx Ship Manager - Print Your Label(s)

2/3

https://www.fedex.com/shipping/shipAction.handle?method=doContinue

STAFFORD, TX 77477
UNITED STATES US

BILL SENDER

TO EUROFINS CALSCIENCE
EUROFINS CALSCIENCE
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780
(714) 895-5494

FRI - 23 FEB 10:30A
PRIORITY OVERNIGHT

TRK# (0201) 7752 7909 2317

92780
CA-US SNA

A7 DTHA

FedEx Ship Manager - Print Your Label(s)
2/3
Part# 156148-434 MTW EXP 01/24
ORIGIN ID:GGRA (281) 240-4500
ADMINISTRATIVE OFFICES
XENCO HOUSTON
4145 GREENBRIAR DR
STAFFORD TX 77477
UNITED STATES US
SHIP DATE: 22FEB24
ACTWGT: 10.00 LB
CAD: 110180767/INET4700
DIMS: 24x14x14 IN
BILL SENDER
TO SHIPPING AND RECEIVING
EUROFINS TEST AMERICA, PITTSBURGH
301 ALPHA DRIVE RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
Uncorrected temp 2.9 °C
Thermometer ID 21
CF 0 Initials RB
PT-WI-SR-001 effective 11/8/18
FRI - 23 FEB 10:30A
PRIORITY OVERNIGHT
TRK# 0701 7752 8128 5869
15238
PA-US PIT
NX AGCA
830-4968 Waybill
2/22/24 2:21 PM
https://www.fedex.com/shipping/shipAction.handle?method=doContinue

8141A

7EE

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

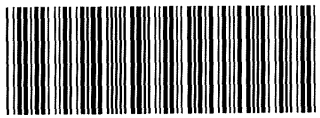
eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM: Builes, John	Carrier Tracking No(s).	COC No: 830-2076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note):		Job #: 830-4968-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 3/19/2024			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	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)	8141B_LL/3510C_LL (MOD) ITM OP Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	2	



Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2-21-24 10:00			2-21-24	E
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time: 2-22-24 1800	Company E	Received by:	Date/Time: 2/23/24	Company ONTARIO

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0945

Ver: 06/08/2021

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 830-2075.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 830-4968-1
Address: 3355 McLemore Drive,	Due Date Requested: 3/12/2024			Preservation Codes:
City: Pensacola	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	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)	SM5310B/ Sublist for summary and 2 reps only	SM5310_DOC_B/FILTRATION	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2-21-24 10:00			2-21-24	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				Tammy Cannon	2-23-24 0902	
3	Relinquished by:	Date/Time: 2-22-24 1500	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.2°C IR11

Ver: 06/08/2021

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 830-2072.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note):		Job #: 830-4968-1
Address: 2425 New Holland Pike,	Due Date Requested: 3/12/2024			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	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)	6850/6550_Prep	8330B/8330_P_SPE	8290A/8290_P_Sep 8290 17 Isomers	PFC_IDA/PFAS_W_Prep PFAS 18 Compounds (In 537.1 method)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X						
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	X	X	X	8	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2-21-24 10:50			2-22-24	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 2-22-24 1800	Company	Received by:	Date/Time: 2/23/24 9:25	Company ECLFT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: RAW 1.7 COR 1.6

Ver: 06/08/2021

MB

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 830-2074.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note):		Job #: 830-4968-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 3/19/2024			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	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)	Organotins_Sim/OrgTin_W_P Tributyltin	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	2	

830-4968 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2-21-24 10:00			2-21-24	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 2-22-24 1800	Company	Received by:	Date/Time: 2/23/24 0940	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		1.7/1.7 SC.2

Ver: 06/08/2021

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 830-2078.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 830-4968-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 3/19/2024	Analysis Requested		Preservation Codes:
City: Savannah	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	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)	9020B/Carbon_Trap Regular TOX (in duplicate)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2-21-24 10:00		CM	2-21-24	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2-23-24 931	Company TM
3	Relinquished by: CM	Date/Time: 2-22-24 1500	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.1

Ver: 06/08/2021

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bulles, John	Carrier Tracking No(s):	COC No: 830-2081 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Bulles@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note):		Job #: 830-4968-1
Address: 4145 Greenbriar Dr	Due Date Requested: 2/27/2024			Preservation Codes:
City: Stafford	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	180.1	2320B/ [MOD] Local Method	1684B_NP/ HEM Only	2540D	2510B/ Specific Conductance	2540C_Calcd	SM2340B/ (MOD) Local Method	350.1/ Ammonia	SM4500_S2_D	SM4500_S2_H	HACH8000_NP	6010D/3010A (MOD) Custom List	6010B/Filtration_ME (MOD) Custom List	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	24	

830-4968 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 2-20-2410:00	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: CM	Date/Time: 2-21-24 0930	Company E
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7° AND 3.1° IR #407369

Ver: 06/08/2021

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bulles, John	Carrier Tracking No(s):	COC No: 830-2081.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Bulles@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note):		Job #: 830-4968-1
Address: 4145 Greenbriar Dr	Due Date Requested: 2/27/2024			Preservation Codes:
City: Stafford	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3010A (MOD) Custom List	HACH_6146	3500_Fe+3_D_Cal	3500_CR_B	8270E_LL/3510C_LVI Full List SVOCs	8270D_SIM/3611 Polycyclic Aromatic Hydrocarbons (PAHs)	8015MOD_NM/8000 NM_Aq_Prep Full TPH	8015MOD_Calc	8260D/5030C (MOD) Full List	8081B_LL/3510C_LL (MOD) Target Compound List	8151A/8151A_APP Target Compound List	8082A_LL/3510C_LL Standard PCBs	VFA_HPLC/ Full List VFA's	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	24	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification Unconfirmed	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 2-20-2024 1000	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: CM	Date/Time: 2-21-24 0930	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Eurofins El Paso
200 East Sunset Rd. Suite E
El Paso, TX 79922
Phone: 915-585-3443

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bulles, John	Carrier Tracking No(s):	COC No: 830-2081.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Bulles@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note):		Job #: 830-4968-1
Address: 4145 Greenbriar Dr	Due Date Requested: 2/27/2024			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Water Quality Analysis	Project #: 88001781			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	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)	9012B/9012B_Prep Total Cyanide	5540C	632/CWA_Prep (MOD) Total Method	6020B_REE/3010A Gold and Zirconium	6020B_REE/3010A Rare Earth Metals	200_ORGFMS/ Nitrate and Nitrite as N	300_ORGFM_28D/ Drinking Water Anions	350.1	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
Post-Treated Water (830-4968-1)	2/20/24	12:30 Mountain		Water			X	X	X	X	X	X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 2-20-24 10:00	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: CY	Date/Time: 2-21-24 0932	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 1
Creator: Aparicio, Niria

List Source: Eurofins El Paso

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 6
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/23/24 03:21 PM

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	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 02/21/24 03:25 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 3
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 02/23/24 11:04 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 8
Creator: Earnest, Tamantha

List Source: Eurofins Pensacola
List Creation: 02/24/24 12:30 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2°C IR11
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 7
Creator: Rucker, Keenyn J

List Source: Eurofins Pittsburgh
List Creation: 02/23/24 06:52 PM

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 830-4968-1

Login Number: 4968
List Number: 4
Creator: Sims, Robert D

List Source: Eurofins Savannah
List Creation: 02/23/24 02:39 PM

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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	