

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 3/20/2024 8:59:18 AM

JOB DESCRIPTION

Water Quality Analysis

JOB NUMBER

880-38531-1

Eurofins Midland

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
3/20/2024 8:59:18 AM

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	8
Surrogate Summary	14
QC Sample Results	16
QC Association Summary	35
Lab Chronicle	38
Certification Summary	39
Method Summary	41
Sample Summary	42
Chain of Custody	43
Receipt Checklists	48



Definitions/Glossary

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

Job ID: 880-38531-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Eurofins Midland

Definitions/Glossary

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

Job ID: 880-38531-1

Glossary (Continued)

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

Case Narrative

Client: New Mexico State University
Project: Water Quality Analysis

Job ID: 880-38531-1

Job ID: 880-38531-1

Eurofins Midland

Job Narrative 880-38531-1

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 1/26/2024 9:34 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 860-142954 recovered above the upper control limit for 1,2,4-Trichlorobenzene(20.1%). 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 860-142954/2).

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 method blank for preparation batch 860-143257 contained 1,2-Dichlorobenzene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8270E_LL: The following sample was diluted due to the nature of the sample matrix: Concentrate (880-38531-1). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8015MOD_NM: <EXPLANATION_REQUIRED>

(CCV 860-147532/16) and (CCV 860-147532/34)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: Concentrate (880-38531-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis 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 350.1: The following sample was analyzed outside of analytical holding time due to <>: Concentrate (880-38531-1).

Method SM5310B: The following samples were diluted due to the nature of the sample matrix: Concentrate (880-38531-1), (890-6022-D-1) and (890-6022-D-1 DU). Elevated reporting limits (RLs) are provided.

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

Gamma Spectroscopy

Method 901.1_Ra: Gamma prep batch 160-646186:

The method blank has bismuth-214 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 the sample counts, and particularly affects non-soil matrices. Gamma spectroscopy is

Eurofins Midland

Case Narrative

Client: New Mexico State University
Project: Water Quality Analysis

Job ID: 880-38531-1

Job ID: 880-38531-1 (Continued)

Eurofins Midland

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

(MB 160-646186/1-A)

Method 901.1_Ra: Gamma 160-646186

The following sample(s), analyzed by gamma spectroscopy, did not meet the detection goal for Ra228 due to high concentrations of the analyte. The data have been reported with this narrative. Concentrate (880-38531-1)

Method 901.1_Ra: Gamma Prep batch 160-646186

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 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

Concentrate (880-38531-1), (550-213457-M-8-A) and (550-213457-M-8-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

Method 900.0: Gross Alpha Beta prep batch 160-646914:

The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: Concentrate (880-38531-1), (160-52979-A-3-A) and (160-52979-A-3-D DU). Analytical results are reported with the detection limit achieved.

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

Eurofins Midland

Client Sample Results

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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			01/31/24 13:22	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			01/31/24 13:22	1
cis-1,2-Dichloroethene	<0.000457	U	0.00100	0.000457	mg/L			01/31/24 13:22	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/31/24 13:22	1
Isopropylbenzene	<0.000592	U	0.00100	0.000592	mg/L			01/31/24 13:22	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			01/31/24 13:22	1
n-Butylbenzene	<0.000510	U	0.00100	0.000510	mg/L			01/31/24 13:22	1
N-Propylbenzene	<0.000429	U	0.00100	0.000429	mg/L			01/31/24 13:22	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			01/31/24 13:22	1
p-Cymene (p-Isopropyltoluene)	<0.000676	U	0.00100	0.000676	mg/L			01/31/24 13:22	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/31/24 13:22	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			01/31/24 13:22	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/31/24 13:22	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			01/31/24 13:22	1
2-Chlorotoluene	<0.000459	U	0.00200	0.000459	mg/L			01/31/24 13:22	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			01/31/24 13:22	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/31/24 13:22	1
2-Hexanone	<0.00745	U	0.0500	0.00745	mg/L			01/31/24 13:22	1
1,1,1-Trichloroethane	<0.000585	U	0.00500	0.000585	mg/L			01/31/24 13:22	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/31/24 13:22	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			01/31/24 13:22	1
4-Methyl-2-pentanone	<0.00749	U	0.0500	0.00749	mg/L			01/31/24 13:22	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/31/24 13:22	1
Acetonitrile	<0.0146	U	0.100	0.0146	mg/L			01/31/24 13:22	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/31/24 13:22	1
Acetone	0.0352	J	0.100	0.00307	mg/L			01/31/24 13:22	1
1,1-Dichloropropene	<0.000624	U	0.00500	0.000624	mg/L			01/31/24 13:22	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			01/31/24 13:22	1
1,2,3-Trichlorobenzene	<0.00177	U	0.00500	0.00177	mg/L			01/31/24 13:22	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			01/31/24 13:22	1
1,2,3-Trichloropropane	<0.000470	U	0.00100	0.000470	mg/L			01/31/24 13:22	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/31/24 13:22	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			01/31/24 13:22	1
1,2-Dibromo-3-Chloropropane	<0.000671	U	0.00500	0.000671	mg/L			01/31/24 13:22	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/31/24 13:22	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			01/31/24 13:22	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			01/31/24 13:22	1
Carbon disulfide	<0.00165	U	0.00500	0.00165	mg/L			01/31/24 13:22	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			01/31/24 13:22	1
1,3,5-Trimethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			01/31/24 13:22	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			01/31/24 13:22	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/31/24 13:22	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			01/31/24 13:22	1
Cyclohexane	<0.00129	U	0.00500	0.00129	mg/L			01/31/24 13:22	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			01/31/24 13:22	1
2,2-Dichloropropane	<0.000679	U	0.00500	0.000679	mg/L			01/31/24 13:22	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/31/24 13:22	1
Iodomethane (Methyl Iodide)	<0.00652	U	0.0200	0.00652	mg/L			01/31/24 13:22	1
Isobutyl alcohol	<0.0171	U	0.0500	0.0171	mg/L			01/31/24 13:22	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	0.182		0.0100	0.00523	mg/L			01/31/24 13:22	1
4-Chlorotoluene	<0.000386	U	0.00100	0.000386	mg/L			01/31/24 13:22	1
Methyl acetate	0.0367		0.0200	0.00401	mg/L			01/31/24 13:22	1
Methylcyclohexane	<0.000608	U	0.0100	0.000608	mg/L			01/31/24 13:22	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			01/31/24 13:22	1
Bromobenzene	<0.000486	U	0.00100	0.000486	mg/L			01/31/24 13:22	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			01/31/24 13:22	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/31/24 13:22	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/31/24 13:22	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/31/24 13:22	1
Tetrahydrofuran	<0.00183	U	0.0100	0.00183	mg/L			01/31/24 13:22	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/31/24 13:22	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			01/31/24 13:22	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/31/24 13:22	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			01/31/24 13:22	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/31/24 13:22	1
Vinyl acetate	<0.00214	U	0.0200	0.00214	mg/L			01/31/24 13:22	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/31/24 13:22	1
Dichlorodifluoromethane	<0.000785	U	0.00100	0.000785	mg/L			01/31/24 13:22	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			01/31/24 13:22	1
Hexachlorobutadiene	<0.000627	U	0.00500	0.000627	mg/L			01/31/24 13:22	1
n-Hexane	<0.000517	U	0.00500	0.000517	mg/L			01/31/24 13:22	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/31/24 13:22	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/31/24 13:22	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/31/24 13:22	1
t-Butyl alcohol	<0.00500	U	0.0500	0.00500	mg/L			01/31/24 13:22	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/31/24 13:22	1
trans-1,4-Dichloro-2-butene	<0.00135	U	0.0100	0.00135	mg/L			01/31/24 13:22	1
Styrene	<0.000619	U	0.00100	0.000619	mg/L			01/31/24 13:22	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			01/31/24 13:22	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			01/31/24 13:22	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			01/31/24 13:22	1
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			01/31/24 13:22	1
Allyl Chloride (3-Chloropropene)	<0.000597	U	0.00500	0.000597	mg/L			01/31/24 13:22	1
2-Chloro-1,3-butadiene	<0.000598	U	0.00500	0.000598	mg/L			01/31/24 13:22	1
Propane Nitrile (Propionitrile)	<0.00334	U	0.0100	0.00334	mg/L			01/31/24 13:22	1
Methacrylonitrile	<0.00272	U	0.0100	0.00272	mg/L			01/31/24 13:22	1
Methyl methacrylate	<0.00225	U	0.0100	0.00225	mg/L			01/31/24 13:22	1
Ethyl ether	<0.0100	U	0.100	0.0100	mg/L			01/31/24 13:22	1
Ethyl acetate	<0.000621	U	0.00200	0.000621	mg/L			01/31/24 13:22	1
2-Nitropropane	<0.00336	U	0.0100	0.00336	mg/L			01/31/24 13:22	1
Ethyl methacrylate	<0.00112	U	0.00500	0.00112	mg/L			01/31/24 13:22	1
Isopropyl acetate	<0.000576	U	0.00500	0.000576	mg/L			01/31/24 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		63 - 144					01/31/24 13:22	1
4-Bromofluorobenzene (Surr)	104		74 - 124					01/31/24 13:22	1
Dibromofluoromethane (Surr)	100		75 - 131					01/31/24 13:22	1
Toluene-d8 (Surr)	100		80 - 120					01/31/24 13:22	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000996	U	0.000181	0.0000996	mg/L		02/01/24 16:11	02/02/24 14:44	1
Acenaphthylene	<0.0000839	U	0.000181	0.0000839	mg/L		02/01/24 16:11	02/02/24 14:44	1
Anthracene	<0.0000897	U	0.000181	0.0000897	mg/L		02/01/24 16:11	02/02/24 14:44	1
Benzo[a]anthracene	<0.000134	U	0.000181	0.000134	mg/L		02/01/24 16:11	02/02/24 14:44	1
Benzo[a]pyrene	<0.0000569	U	0.000181	0.0000569	mg/L		02/01/24 16:11	02/02/24 14:44	1
Benzo[b]fluoranthene	<0.0000697	U	0.000181	0.0000697	mg/L		02/01/24 16:11	02/02/24 14:44	1
Benzo[g,h,i]perylene	<0.000113	U	0.000181	0.000113	mg/L		02/01/24 16:11	02/02/24 14:44	1
Benzo[k]fluoranthene	<0.000116	U	0.000181	0.000116	mg/L		02/01/24 16:11	02/02/24 14:44	1
Chrysene	<0.000155	U	0.000181	0.000155	mg/L		02/01/24 16:11	02/02/24 14:44	1
Dibenz[a,h]anthracene	<0.0000757	U	0.000181	0.0000757	mg/L		02/01/24 16:11	02/02/24 14:44	1
Fluoranthene	<0.000156	U	0.000181	0.000156	mg/L		02/01/24 16:11	02/02/24 14:44	1
Fluorene	<0.000101	U	0.000181	0.000101	mg/L		02/01/24 16:11	02/02/24 14:44	1
Indeno[1,2,3-cd]pyrene	<0.0000910	U	0.000181	0.0000910	mg/L		02/01/24 16:11	02/02/24 14:44	1
Naphthalene	<0.0000968	U	0.00363	0.0000968	mg/L		02/01/24 16:11	02/02/24 14:44	1
Phenanthrene	0.000156	J	0.000181	0.0000847	mg/L		02/01/24 16:11	02/02/24 14:44	1
Pyrene	<0.000130	U	0.000181	0.000130	mg/L		02/01/24 16:11	02/02/24 14:44	1
1-Methylnaphthalene	0.000197		0.000181	0.0000792	mg/L		02/01/24 16:11	02/02/24 14:44	1
2-Methylnaphthalene	0.000120	J	0.000181	0.0000910	mg/L		02/01/24 16:11	02/02/24 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		54 - 146	02/01/24 16:11	02/02/24 14:44	1
Nitrobenzene-d5 (Surr)	100		46 - 151	02/01/24 16:11	02/02/24 14:44	1
p-Terphenyl-d14 (Surr)	80		51 - 139	02/01/24 16:11	02/02/24 14:44	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	<6.80	U	20.0	6.80	ug/L		02/01/24 11:15	02/03/24 02:04	10
1,2-Dichlorobenzene	<2.96	U	20.0	2.96	ug/L		02/01/24 11:15	02/03/24 02:04	10
1,3-Dichlorobenzene	<3.50	U	20.0	3.50	ug/L		02/01/24 11:15	02/03/24 02:04	10
1,4-Dichlorobenzene	<4.28	U	20.0	4.28	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,4,5-Trichlorophenol	<1.08	U	20.0	1.08	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,4,6-Trichlorophenol	<1.35	U	20.0	1.35	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,4-Dichlorophenol	<1.15	U	20.0	1.15	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,4-Dimethylphenol	<1.48	U	20.0	1.48	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,4-Dinitrophenol	<14.6	U	80.0	14.6	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,4-Dinitrotoluene	<1.27	U	20.0	1.27	ug/L		02/01/24 11:15	02/03/24 02:04	10
2,6-Dinitrotoluene	<1.99	U	20.0	1.99	ug/L		02/01/24 11:15	02/03/24 02:04	10
2-Chloronaphthalene	<10.9	U	80.0	10.9	ug/L		02/01/24 11:15	02/03/24 02:04	10
2-Methylnaphthalene	<4.80	U	20.0	4.80	ug/L		02/01/24 11:15	02/03/24 02:04	10
2-Methylphenol	3.74	J	20.0	1.59	ug/L		02/01/24 11:15	02/03/24 02:04	10
2-Nitroaniline	<1.63	U	40.0	1.63	ug/L		02/01/24 11:15	02/03/24 02:04	10
2-Nitrophenol	<1.35	U	20.0	1.35	ug/L		02/01/24 11:15	02/03/24 02:04	10
3 & 4 Methylphenol	18.8	J	20.0	1.63	ug/L		02/01/24 11:15	02/03/24 02:04	10
3-Nitroaniline	<3.44	U	20.0	3.44	ug/L		02/01/24 11:15	02/03/24 02:04	10
4,6-Dinitro-2-methylphenol	<7.36	U	80.0	7.36	ug/L		02/01/24 11:15	02/03/24 02:04	10
4-Bromophenyl-phenylether	<1.67	U	20.0	1.67	ug/L		02/01/24 11:15	02/03/24 02:04	10
4-Chloro-3-methylphenol	<1.57	U	20.0	1.57	ug/L		02/01/24 11:15	02/03/24 02:04	10
4-Chloroaniline	<1.49	U	40.0	1.49	ug/L		02/01/24 11:15	02/03/24 02:04	10
4-Chlorophenyl-phenylether	<2.32	U	20.0	2.32	ug/L		02/01/24 11:15	02/03/24 02:04	10
4-Nitroaniline	<2.47	U	40.0	2.47	ug/L		02/01/24 11:15	02/03/24 02:04	10

Eurofins Midland

Client Sample Results

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<5.31	U	40.0	5.31	ug/L		02/01/24 11:15	02/03/24 02:04	10
Acenaphthene	<2.08	U	20.0	2.08	ug/L		02/01/24 11:15	02/03/24 02:04	10
Acenaphthylene	<2.15	U	20.0	2.15	ug/L		02/01/24 11:15	02/03/24 02:04	10
Aniline (Phenylamine, Aminobenzene)	<3.14	U	40.0	3.14	ug/L		02/01/24 11:15	02/03/24 02:04	10
Anthracene	<1.54	U	20.0	1.54	ug/L		02/01/24 11:15	02/03/24 02:04	10
Benzo[a]anthracene	<1.50	U	20.0	1.50	ug/L		02/01/24 11:15	02/03/24 02:04	10
Benzo[a]pyrene	<1.48	U	20.0	1.48	ug/L		02/01/24 11:15	02/03/24 02:04	10
Benzo[b]fluoranthene	<2.10	U	20.0	2.10	ug/L		02/01/24 11:15	02/03/24 02:04	10
Benzo[g,h,i]perylene	<1.43	U	20.0	1.43	ug/L		02/01/24 11:15	02/03/24 02:04	10
Benzo[k]fluoranthene	<1.66	U	20.0	1.66	ug/L		02/01/24 11:15	02/03/24 02:04	10
Benzoic acid	66.8	J	80.0	10.6	ug/L		02/01/24 11:15	02/03/24 02:04	10
Butyl benzyl phthalate	<1.50	U	20.0	1.50	ug/L		02/01/24 11:15	02/03/24 02:04	10
Bis(2-chloroethoxy)methane	<1.70	U	20.0	1.70	ug/L		02/01/24 11:15	02/03/24 02:04	10
Bis(2-chloroethyl)ether	<2.78	U	20.0	2.78	ug/L		02/01/24 11:15	02/03/24 02:04	10
bis(2-chloroisopropyl) ether	<1.39	U	20.0	1.39	ug/L		02/01/24 11:15	02/03/24 02:04	10
Bis(2-ethylhexyl) phthalate	<2.25	U	20.0	2.25	ug/L		02/01/24 11:15	02/03/24 02:04	10
Chrysene	<1.59	U	20.0	1.59	ug/L		02/01/24 11:15	02/03/24 02:04	10
Dibenz(a,h)anthracene	<1.48	U	20.0	1.48	ug/L		02/01/24 11:15	02/03/24 02:04	10
Dibenzofuran	<3.36	U	20.0	3.36	ug/L		02/01/24 11:15	02/03/24 02:04	10
Diethyl phthalate	<1.18	U	20.0	1.18	ug/L		02/01/24 11:15	02/03/24 02:04	10
Dimethyl phthalate	<1.43	U	20.0	1.43	ug/L		02/01/24 11:15	02/03/24 02:04	10
Di-n-butyl phthalate	<8.00	U	20.0	8.00	ug/L		02/01/24 11:15	02/03/24 02:04	10
Di-n-octyl phthalate	<1.69	U	20.0	1.69	ug/L		02/01/24 11:15	02/03/24 02:04	10
Fluoranthene	<1.48	U	20.0	1.48	ug/L		02/01/24 11:15	02/03/24 02:04	10
Fluorene	<2.05	U	20.0	2.05	ug/L		02/01/24 11:15	02/03/24 02:04	10
Hexachlorobenzene	<1.26	U	20.0	1.26	ug/L		02/01/24 11:15	02/03/24 02:04	10
Hexachlorobutadiene	<2.52	U	20.0	2.52	ug/L		02/01/24 11:15	02/03/24 02:04	10
Hexachlorocyclopentadiene	<4.31	U	20.0	4.31	ug/L		02/01/24 11:15	02/03/24 02:04	10
Hexachloroethane	<1.40	U	20.0	1.40	ug/L		02/01/24 11:15	02/03/24 02:04	10
Indeno[1,2,3-cd]pyrene	<8.52	U	20.0	8.52	ug/L		02/01/24 11:15	02/03/24 02:04	10
Isophorone	<1.68	U	20.0	1.68	ug/L		02/01/24 11:15	02/03/24 02:04	10
Naphthalene	<4.23	U	20.0	4.23	ug/L		02/01/24 11:15	02/03/24 02:04	10
Nitrobenzene	<9.34	U	20.0	9.34	ug/L		02/01/24 11:15	02/03/24 02:04	10
N-Nitrosodi-n-propylamine	<1.61	U	20.0	1.61	ug/L		02/01/24 11:15	02/03/24 02:04	10
N-Nitrosodiphenylamine	<1.55	U	20.0	1.55	ug/L		02/01/24 11:15	02/03/24 02:04	10
Pentachlorophenol	<4.41	U	20.0	4.41	ug/L		02/01/24 11:15	02/03/24 02:04	10
Phenanthrene	<1.76	U	20.0	1.76	ug/L		02/01/24 11:15	02/03/24 02:04	10
Phenol	21.5	J	40.0	2.02	ug/L		02/01/24 11:15	02/03/24 02:04	10
Pyrene	<1.59	U	20.0	1.59	ug/L		02/01/24 11:15	02/03/24 02:04	10
Pyridine	<7.25	U	20.0	7.25	ug/L		02/01/24 11:15	02/03/24 02:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		31 - 132	02/01/24 11:15	02/03/24 02:04	10
2-Fluorobiphenyl (Surr)	64		40 - 130	02/01/24 11:15	02/03/24 02:04	10
2-Fluorophenol (Surr)	51		21 - 114	02/01/24 11:15	02/03/24 02:04	10
Nitrobenzene-d5 (Surr)	62		37 - 130	02/01/24 11:15	02/03/24 02:04	10
p-Terphenyl-d14 (Surr)	77		20 - 141	02/01/24 11:15	02/03/24 02:04	10
Phenol-d5 (Surr)	54		16 - 117	02/01/24 11:15	02/03/24 02:04	10

Eurofins Midland

Client Sample Results

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.0		5.00	0.988	mg/L			01/29/24 10:20	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	1.15	J	5.00	0.988	mg/L		01/29/24 07:37	01/29/24 10:20	1
Diesel Range Organics (Over C10-C28)	31.5		5.00	0.988	mg/L		01/29/24 07:37	01/29/24 10:20	1
Oil Range Organics (Over C28-C36)	10.3	B	5.00	0.954	mg/L		01/29/24 07:37	01/29/24 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 135				01/29/24 07:37	01/29/24 10:20	1
o-Terphenyl	69	S1-	70 - 135				01/29/24 07:37	01/29/24 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	169	H	5.00	2.55	mg/L			03/03/24 18:57	50
Total Dissolved Solids (SM 2540C)	251000		2000	2000	mg/L			02/02/24 13:46	1
Total Suspended Solids (SM 2540D)	110		13.3	13.3	mg/L			02/02/24 10:15	1
Sulfide (SM 4500 S2 D)	<0.0400	U	0.100	0.0400	mg/L			01/30/24 13:21	1
Total Organic Carbon (SM 5310B)	91.2		2.00	1.00	mg/L			02/03/24 08:54	2
Methylene Blue Active Substances (SM 5540C)	0.107		0.100	0.0800	mg/L			01/27/24 18:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310B)	79.8		1.00	0.500	mg/L			02/03/24 00:38	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	2140	G	1290	1320	3.00	1860	pCi/L	02/05/24 10:15	02/08/24 18:34	1
Gross Beta	489	U G	389	393	4.00	581	pCi/L	02/05/24 10:15	02/08/24 18:34	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	-108	U	212	213		269	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Actinium-228	543		71.4	95.7		63.8	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Bismuth-212	-74.6	U	272	272		462	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Bismuth-214	1170		79.5	159		34.6	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Lead-210	170	U	254	255		358	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Lead-212	9.02	U	43.9	43.9		73.3	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Lead-214	969		61.2	129		54.8	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Potassium-40	30.8	U	196	196		234	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Protactinium-231	0.000	U	390	390		3130	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Radium-226	1170		79.5	159	50.0	34.6	pCi/L	01/30/24 12:50	02/20/24 21:50	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	543	G	71.4	95.7	50.0	63.8	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Thallium-208	11.8	U	25.4	25.5		28.1	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Thorium-232	543		71.4	95.7		63.8	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Thorium-234	-81.0	U	621	621		1040	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Uranium 235	52.6	U	110	110		350	pCi/L	01/30/24 12:50	02/20/24 21:50	1
Uranium 238	-81.0	U	621	621		1040	pCi/L	01/30/24 12:50	02/20/24 21:50	1

Surrogate Summary

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

Job ID: 880-38531-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (63-144)	BFB (74-124)	DBFM (75-131)	TOL (80-120)
880-38531-1	Concentrate	107	104	100	100
LCS 860-142954/4	Lab Control Sample	99	100	100	100
LCSD 860-142954/5	Lab Control Sample Dup	100	102	100	100
MB 860-142954/11	Method Blank	102	107	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (54-146)	NBZ (46-151)	TPHd14 (51-139)
880-38531-1	Concentrate	85	100	80
LCS 860-143347/2-A	Lab Control Sample	127	110	69
LCSD 860-143347/3-A	Lab Control Sample Dup	116	102	58
MB 860-143347/1-A	Method Blank	132	107	84

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (31-132)	FBP (40-130)	2FP (21-114)	NBZ (37-130)	TPHd14 (20-141)	PHL (16-117)
880-38531-1	Concentrate	80	64	51	62	77	54
LCS 860-143257/2-A	Lab Control Sample	66	59	35	55	81	29
LCSD 860-143257/3-A	Lab Control Sample Dup	67	65	41	62	90	34
MB 860-143257/1-A	Method Blank	34	45	29	43	67	21

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
Project/Site: Water Quality Analysis

Job ID: 880-38531-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-135)	OTPH1 (70-135)
880-38531-1	Concentrate	91	69 S1-
LCS 860-147391/2-A	Lab Control Sample	80	75
LCSD 860-147391/3-A	Lab Control Sample Dup	79	74
MB 860-147391/1-A	Method Blank	92	90
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MB 860-142954/11

Matrix: Water

Analysis Batch: 142954

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			01/31/24 10:38	1
Xylenes, Total	<0.00124	U	0.0100	0.00124	mg/L			01/31/24 10:38	1
cis-1,2-Dichloroethene	<0.000457	U	0.00100	0.000457	mg/L			01/31/24 10:38	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			01/31/24 10:38	1
Isopropylbenzene	<0.000592	U	0.00100	0.000592	mg/L			01/31/24 10:38	1
m,p-Xylenes	<0.00124	U	0.0100	0.00124	mg/L			01/31/24 10:38	1
n-Butylbenzene	<0.000510	U	0.00100	0.000510	mg/L			01/31/24 10:38	1
N-Propylbenzene	<0.000429	U	0.00100	0.000429	mg/L			01/31/24 10:38	1
o-Xylene	<0.000502	U	0.00100	0.000502	mg/L			01/31/24 10:38	1
p-Cymene (p-Isopropyltoluene)	<0.000676	U	0.00100	0.000676	mg/L			01/31/24 10:38	1
tert-Butylbenzene	<0.000442	U	0.00100	0.000442	mg/L			01/31/24 10:38	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			01/31/24 10:38	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			01/31/24 10:38	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			01/31/24 10:38	1
2-Chlorotoluene	<0.000459	U	0.00200	0.000459	mg/L			01/31/24 10:38	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			01/31/24 10:38	1
1,1,1,2-Tetrachloroethane	<0.000644	U	0.00100	0.000644	mg/L			01/31/24 10:38	1
2-Hexanone	<0.00745	U	0.0500	0.00745	mg/L			01/31/24 10:38	1
1,1,1-Trichloroethane	<0.000585	U	0.00500	0.000585	mg/L			01/31/24 10:38	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			01/31/24 10:38	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			01/31/24 10:38	1
4-Methyl-2-pentanone	<0.00749	U	0.0500	0.00749	mg/L			01/31/24 10:38	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			01/31/24 10:38	1
Acetonitrile	<0.0146	U	0.100	0.0146	mg/L			01/31/24 10:38	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			01/31/24 10:38	1
Acetone	<0.00307	U	0.100	0.00307	mg/L			01/31/24 10:38	1
1,1-Dichloropropene	<0.000624	U	0.00500	0.000624	mg/L			01/31/24 10:38	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			01/31/24 10:38	1
1,2,3-Trichlorobenzene	<0.00177	U	0.00500	0.00177	mg/L			01/31/24 10:38	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			01/31/24 10:38	1
1,2,3-Trichloropropane	<0.000470	U	0.00100	0.000470	mg/L			01/31/24 10:38	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			01/31/24 10:38	1
1,2,4-Trimethylbenzene	<0.000417	U	0.00100	0.000417	mg/L			01/31/24 10:38	1
1,2-Dibromo-3-Chloropropane	<0.000671	U	0.00500	0.000671	mg/L			01/31/24 10:38	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			01/31/24 10:38	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			01/31/24 10:38	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			01/31/24 10:38	1
Carbon disulfide	<0.00165	U	0.00500	0.00165	mg/L			01/31/24 10:38	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			01/31/24 10:38	1
1,3,5-Trimethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			01/31/24 10:38	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			01/31/24 10:38	1
1,3-Dichloropropane	<0.000514	U	0.00500	0.000514	mg/L			01/31/24 10:38	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			01/31/24 10:38	1
Cyclohexane	<0.00129	U	0.00500	0.00129	mg/L			01/31/24 10:38	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			01/31/24 10:38	1
2,2-Dichloropropane	<0.000679	U	0.00500	0.000679	mg/L			01/31/24 10:38	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			01/31/24 10:38	1
Iodomethane (Methyl Iodide)	<0.00652	U	0.0200	0.00652	mg/L			01/31/24 10:38	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MB 860-142954/11

Matrix: Water

Analysis Batch: 142954

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			01/31/24 10:38	1
2-Propanol	<0.00523	U	0.0100	0.00523	mg/L			01/31/24 10:38	1
4-Chlorotoluene	<0.000386	U	0.00100	0.000386	mg/L			01/31/24 10:38	1
Methyl acetate	<0.00401	U	0.0200	0.00401	mg/L			01/31/24 10:38	1
Methylcyclohexane	<0.000608	U	0.0100	0.000608	mg/L			01/31/24 10:38	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			01/31/24 10:38	1
Bromobenzene	<0.000486	U	0.00100	0.000486	mg/L			01/31/24 10:38	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			01/31/24 10:38	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			01/31/24 10:38	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			01/31/24 10:38	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			01/31/24 10:38	1
Tetrahydrofuran	<0.00183	U	0.0100	0.00183	mg/L			01/31/24 10:38	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			01/31/24 10:38	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			01/31/24 10:38	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			01/31/24 10:38	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			01/31/24 10:38	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			01/31/24 10:38	1
Vinyl acetate	<0.00214	U	0.0200	0.00214	mg/L			01/31/24 10:38	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			01/31/24 10:38	1
Dichlorodifluoromethane	<0.000785	U	0.00100	0.000785	mg/L			01/31/24 10:38	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			01/31/24 10:38	1
Hexachlorobutadiene	<0.000627	U	0.00500	0.000627	mg/L			01/31/24 10:38	1
n-Hexane	<0.000517	U	0.00500	0.000517	mg/L			01/31/24 10:38	1
MTBE	<0.00139	U	0.00500	0.00139	mg/L			01/31/24 10:38	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			01/31/24 10:38	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			01/31/24 10:38	1
t-Butyl alcohol	<0.00500	U	0.0500	0.00500	mg/L			01/31/24 10:38	1
sec-Butylbenzene	<0.000468	U	0.00100	0.000468	mg/L			01/31/24 10:38	1
trans-1,4-Dichloro-2-butene	<0.00135	U	0.0100	0.00135	mg/L			01/31/24 10:38	1
Styrene	<0.000619	U	0.00100	0.000619	mg/L			01/31/24 10:38	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			01/31/24 10:38	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			01/31/24 10:38	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			01/31/24 10:38	1
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			01/31/24 10:38	1
Allyl Chloride (3-Chloropropene)	<0.000597	U	0.00500	0.000597	mg/L			01/31/24 10:38	1
2-Chloro-1,3-butadiene	<0.000598	U	0.00500	0.000598	mg/L			01/31/24 10:38	1
Propane Nitrile (Propionitrile)	<0.00334	U	0.0100	0.00334	mg/L			01/31/24 10:38	1
Methacrylonitrile	<0.00272	U	0.0100	0.00272	mg/L			01/31/24 10:38	1
Methyl methacrylate	<0.00225	U	0.0100	0.00225	mg/L			01/31/24 10:38	1
Ethyl ether	<0.0100	U	0.100	0.0100	mg/L			01/31/24 10:38	1
Ethyl acetate	<0.000621	U	0.00200	0.000621	mg/L			01/31/24 10:38	1
2-Nitropropane	<0.00336	U	0.0100	0.00336	mg/L			01/31/24 10:38	1
Ethyl methacrylate	<0.00112	U	0.00500	0.00112	mg/L			01/31/24 10:38	1
Isopropyl acetate	<0.000576	U	0.00500	0.000576	mg/L			01/31/24 10:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		63 - 144		01/31/24 10:38	1
4-Bromofluorobenzene (Surr)	107		74 - 124		01/31/24 10:38	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MB 860-142954/11

Matrix: Water

Analysis Batch: 142954

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		75 - 131		01/31/24 10:38	1
Toluene-d8 (Surr)	100		80 - 120		01/31/24 10:38	1

Lab Sample ID: LCS 860-142954/4

Matrix: Water

Analysis Batch: 142954

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	0.05290		mg/L		106	60 - 140
cis-1,2-Dichloroethene	0.0500	0.05396		mg/L		108	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05490		mg/L		110	74 - 125
Isopropylbenzene	0.0500	0.05429		mg/L		109	75 - 125
m,p-Xylenes	0.0500	0.05411		mg/L		108	75 - 125
n-Butylbenzene	0.0500	0.05454		mg/L		109	75 - 125
N-Propylbenzene	0.0500	0.05347		mg/L		107	75 - 125
o-Xylene	0.0500	0.05380		mg/L		108	75 - 125
p-Cymene (p-Isopropyltoluene)	0.0500	0.05348		mg/L		107	75 - 125
tert-Butylbenzene	0.0500	0.05242		mg/L		105	75 - 125
trans-1,2-Dichloroethene	0.0500	0.05195		mg/L		104	75 - 125
trans-1,3-Dichloropropene	0.0500	0.05563		mg/L		111	66 - 125
2-Chloroethyl vinyl ether	0.0500	0.05662		mg/L		113	50 - 150
2-Chlorotoluene	0.0500	0.05189		mg/L		104	73 - 125
Vinyl chloride	0.0500	0.05852		mg/L		117	60 - 140
1,1,1,2-Tetrachloroethane	0.0500	0.05452		mg/L		109	72 - 125
2-Hexanone	0.250	0.2712		mg/L		108	60 - 140
1,1,1-Trichloroethane	0.0500	0.05459		mg/L		109	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.05210		mg/L		104	74 - 125
1,1,2-Trichloroethane	0.0500	0.05460		mg/L		109	75 - 130
4-Methyl-2-pentanone	0.250	0.2695		mg/L		108	60 - 140
1,1-Dichloroethane	0.0500	0.05461		mg/L		109	71 - 130
Acetonitrile	0.500	0.4797		mg/L		96	60 - 140
1,1-Dichloroethene	0.0500	0.05072		mg/L		101	50 - 150
Acetone	0.250	0.2544		mg/L		102	60 - 140
1,1-Dichloropropene	0.0500	0.05151		mg/L		103	75 - 125
Acrolein	0.250	0.3095		mg/L		124	60 - 140
1,2,3-Trichlorobenzene	0.0500	0.05332		mg/L		107	75 - 137
Acrylonitrile	0.500	0.4886		mg/L		98	60 - 140
1,2,3-Trichloropropane	0.0500	0.05103		mg/L		102	75 - 125
1,2,4-Trichlorobenzene	0.0500	0.05570		mg/L		111	75 - 135
1,2,4-Trimethylbenzene	0.0500	0.05318		mg/L		106	75 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.06050		mg/L		121	59 - 125
1,2-Dibromoethane	0.0500	0.05174		mg/L		103	73 - 125
1,2-Dichlorobenzene	0.0500	0.05257		mg/L		105	75 - 125
1,2-Dichloroethane	0.0500	0.05434		mg/L		109	72 - 130
Carbon disulfide	0.0500	0.04976		mg/L		100	60 - 140
1,2-Dichloropropane	0.0500	0.05586		mg/L		112	74 - 125
1,3,5-Trimethylbenzene	0.0500	0.05273		mg/L		105	60 - 140
1,3-Dichlorobenzene	0.0500	0.05253		mg/L		105	75 - 125

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCS 860-142954/4

Matrix: Water

Analysis Batch: 142954

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	0.05295		mg/L		106	75 - 125
1,4-Dichlorobenzene	0.0500	0.05239		mg/L		105	75 - 125
Cyclohexane	0.0500	0.04747		mg/L		95	70 - 130
Dibromomethane	0.0500	0.05495		mg/L		110	69 - 127
2,2-Dichloropropane	0.0500	0.05511		mg/L		110	75 - 125
2-Butanone	0.250	0.2475		mg/L		99	60 - 140
Iodomethane (Methyl Iodide)	0.0500	0.05107		mg/L		102	75 - 125
Isobutyl alcohol	1.24	1.203		mg/L		97	60 - 140
4-Chlorotoluene	0.0500	0.05355		mg/L		107	74 - 125
Methyl acetate	0.100	0.09044		mg/L		90	60 - 140
Methylcyclohexane	0.0500	0.05438		mg/L		109	75 - 125
Benzene	0.0500	0.05386		mg/L		108	75 - 125
Bromobenzene	0.0500	0.05254		mg/L		105	75 - 125
Bromochloromethane	0.0500	0.05411		mg/L		108	60 - 140
Bromodichloromethane	0.0500	0.05470		mg/L		109	75 - 125
Bromoform	0.0500	0.05632		mg/L		113	70 - 130
Bromomethane	0.0500	0.05039		mg/L		101	60 - 140
Tetrahydrofuran	0.100	0.1059		mg/L		106	75 - 125
Carbon tetrachloride	0.0500	0.05030		mg/L		101	70 - 125
Chlorobenzene	0.0500	0.05358		mg/L		107	82 - 135
Chloroethane	0.0500	0.05287		mg/L		106	60 - 140
Chloroform	0.0500	0.05399		mg/L		108	70 - 121
Chloromethane	0.0500	0.05836		mg/L		117	60 - 140
Vinyl acetate	0.250	0.2625		mg/L		105	60 - 140
Dibromochloromethane	0.0500	0.05588		mg/L		112	73 - 125
Dichlorodifluoromethane	0.0500	0.05506		mg/L		110	50 - 150
Ethylbenzene	0.0500	0.05423		mg/L		108	75 - 125
Hexachlorobutadiene	0.0500	0.05439		mg/L		109	75 - 125
n-Hexane	0.0500	0.05738		mg/L		115	72 - 125
MTBE	0.0500	0.05042		mg/L		101	65 - 135
Methylene Chloride	0.0500	0.04810		mg/L		96	71 - 125
Naphthalene	0.0500	0.05415		mg/L		108	70 - 130
t-Butyl alcohol	0.500	0.4507		mg/L		90	65 - 135
sec-Butylbenzene	0.0500	0.05310		mg/L		106	75 - 125
trans-1,4-Dichloro-2-butene	0.0500	0.05133		mg/L		103	70 - 130
Styrene	0.0500	0.05507		mg/L		110	75 - 125
Tetrachloroethene	0.0500	0.05466		mg/L		109	71 - 125
Toluene	0.0500	0.05354		mg/L		107	75 - 130
Trichloroethene	0.0500	0.05527		mg/L		111	75 - 135
Trichlorofluoromethane	0.0500	0.05353		mg/L		107	60 - 140
Allyl Chloride (3-Chloropropene)	0.0500	0.04807		mg/L		96	70 - 130
2-Chloro-1,3-butadiene	0.0500	0.05672		mg/L		113	70 - 130
Propane Nitrile (Propionitrile)	0.500	0.5327		mg/L		107	70 - 130
Methacrylonitrile	0.500	0.5294		mg/L		106	70 - 130
Methyl methacrylate	0.100	0.1102		mg/L		110	70 - 130
Ethyl ether	0.0500	0.05209	J	mg/L		104	70 - 130
Ethyl acetate	0.100	0.1035		mg/L		103	70 - 130
2-Nitropropane	0.100	0.1161		mg/L		116	75 - 125

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCS 860-142954/4

Matrix: Water

Analysis Batch: 142954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Lab Sample ID: LCSD 860-142954/5

Matrix: Water

Analysis Batch: 142954

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	0.05169		mg/L		103	60 - 140	2	25
cis-1,2-Dichloroethene	0.0500	0.05367		mg/L		107	75 - 125	1	25
cis-1,3-Dichloropropene	0.0500	0.05404		mg/L		108	74 - 125	2	25
Isopropylbenzene	0.0500	0.05333		mg/L		107	75 - 125	2	25
m,p-Xylenes	0.0500	0.05343		mg/L		107	75 - 125	1	25
n-Butylbenzene	0.0500	0.05429		mg/L		109	75 - 125	0	25
N-Propylbenzene	0.0500	0.05353		mg/L		107	75 - 125	0	25
o-Xylene	0.0500	0.05264		mg/L		105	75 - 125	2	25
p-Cymene (p-Isopropyltoluene)	0.0500	0.05328		mg/L		107	75 - 125	0	25
tert-Butylbenzene	0.0500	0.05247		mg/L		105	75 - 125	0	25
trans-1,2-Dichloroethene	0.0500	0.04979		mg/L		100	75 - 125	4	25
trans-1,3-Dichloropropene	0.0500	0.05471		mg/L		109	66 - 125	2	25
2-Chloroethyl vinyl ether	0.0500	0.05536		mg/L		111	50 - 150	2	25
2-Chlorotoluene	0.0500	0.05139		mg/L		103	73 - 125	1	25
Vinyl chloride	0.0500	0.05264		mg/L		105	60 - 140	11	25
1,1,1,2-Tetrachloroethane	0.0500	0.05349		mg/L		107	72 - 125	2	25
2-Hexanone	0.250	0.2621		mg/L		105	60 - 140	3	25
1,1,1-Trichloroethane	0.0500	0.05484		mg/L		110	70 - 130	0	25
1,1,2,2-Tetrachloroethane	0.0500	0.05243		mg/L		105	74 - 125	1	25
1,1,2-Trichloroethane	0.0500	0.05368		mg/L		107	75 - 130	2	25
4-Methyl-2-pentanone	0.250	0.2613		mg/L		105	60 - 140	3	25
1,1-Dichloroethane	0.0500	0.05372		mg/L		107	71 - 130	2	25
Acetonitrile	0.500	0.4432		mg/L		89	60 - 140	8	25
1,1-Dichloroethene	0.0500	0.05035		mg/L		101	50 - 150	1	25
Acetone	0.250	0.2446		mg/L		98	60 - 140	4	25
1,1-Dichloropropene	0.0500	0.05303		mg/L		106	75 - 125	3	25
Acrolein	0.250	0.2997		mg/L		120	60 - 140	3	25
1,2,3-Trichlorobenzene	0.0500	0.06595		mg/L		132	75 - 137	21	25
Acrylonitrile	0.500	0.4609		mg/L		92	60 - 140	6	25
1,2,3-Trichloropropane	0.0500	0.05128		mg/L		103	75 - 125	0	25
1,2,4-Trichlorobenzene	0.0500	0.06012		mg/L		120	75 - 135	8	25
1,2,4-Trimethylbenzene	0.0500	0.05272		mg/L		105	75 - 125	1	25
1,2-Dibromo-3-Chloropropane	0.0500	0.05345		mg/L		107	59 - 125	12	25
1,2-Dibromoethane	0.0500	0.05051		mg/L		101	73 - 125	2	25
1,2-Dichlorobenzene	0.0500	0.05212		mg/L		104	75 - 125	1	25
1,2-Dichloroethane	0.0500	0.05370		mg/L		107	72 - 130	1	25
Carbon disulfide	0.0500	0.04781		mg/L		96	60 - 140	4	25
1,2-Dichloropropane	0.0500	0.05521		mg/L		110	74 - 125	1	25

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCSD 860-142954/5

Matrix: Water

Analysis Batch: 142954

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	0.05274		mg/L		105	60 - 140	0	25
1,3-Dichlorobenzene	0.0500	0.05209		mg/L		104	75 - 125	1	25
1,3-Dichloropropane	0.0500	0.05271		mg/L		105	75 - 125	0	25
1,4-Dichlorobenzene	0.0500	0.05146		mg/L		103	75 - 125	2	25
Cyclohexane	0.0500	0.04673		mg/L		93	70 - 130	2	25
Dibromomethane	0.0500	0.05376		mg/L		108	69 - 127	2	25
2,2-Dichloropropane	0.0500	0.05509		mg/L		110	75 - 125	0	25
2-Butanone	0.250	0.2446		mg/L		98	60 - 140	1	25
Iodomethane (Methyl Iodide)	0.0500	0.04887		mg/L		98	75 - 125	4	25
Isobutyl alcohol	1.24	1.108		mg/L		89	60 - 140	8	25
4-Chlorotoluene	0.0500	0.05321		mg/L		106	74 - 125	1	25
Methyl acetate	0.100	0.09426		mg/L		94	60 - 140	4	25
Methylcyclohexane	0.0500	0.05442		mg/L		109	75 - 125	0	25
Benzene	0.0500	0.05247		mg/L		105	75 - 125	3	25
Bromobenzene	0.0500	0.05285		mg/L		106	75 - 125	1	25
Bromochloromethane	0.0500	0.05431		mg/L		109	60 - 140	0	25
Bromodichloromethane	0.0500	0.05403		mg/L		108	75 - 125	1	25
Bromoform	0.0500	0.05459		mg/L		109	70 - 130	3	25
Bromomethane	0.0500	0.04731		mg/L		95	60 - 140	6	25
Tetrahydrofuran	0.100	0.09859		mg/L		99	75 - 125	7	25
Carbon tetrachloride	0.0500	0.04926		mg/L		99	70 - 125	2	25
Chlorobenzene	0.0500	0.05253		mg/L		105	82 - 135	2	25
Chloroethane	0.0500	0.05258		mg/L		105	60 - 140	1	25
Chloroform	0.0500	0.05322		mg/L		106	70 - 121	1	25
Chloromethane	0.0500	0.05070		mg/L		101	60 - 140	14	25
Vinyl acetate	0.250	0.2649		mg/L		106	60 - 140	1	25
Dibromochloromethane	0.0500	0.05469		mg/L		109	73 - 125	2	25
Dichlorodifluoromethane	0.0500	0.04517		mg/L		90	50 - 150	20	25
Ethylbenzene	0.0500	0.05304		mg/L		106	75 - 125	2	25
Hexachlorobutadiene	0.0500	0.06200		mg/L		124	75 - 125	13	25
n-Hexane	0.0500	0.04614		mg/L		92	72 - 125	22	25
MTBE	0.0500	0.04884		mg/L		98	65 - 135	3	25
Methylene Chloride	0.0500	0.04753		mg/L		95	71 - 125	1	25
Naphthalene	0.0500	0.06012		mg/L		120	70 - 130	10	25
t-Butyl alcohol	0.500	0.4365		mg/L		87	65 - 135	3	25
sec-Butylbenzene	0.0500	0.05313		mg/L		106	75 - 125	0	25
trans-1,4-Dichloro-2-butene	0.0500	0.05166		mg/L		103	70 - 130	1	25
Styrene	0.0500	0.05333		mg/L		107	75 - 125	3	25
Tetrachloroethene	0.0500	0.05412		mg/L		108	71 - 125	1	25
Toluene	0.0500	0.05255		mg/L		105	75 - 130	2	25
Trichloroethene	0.0500	0.05336		mg/L		107	75 - 135	4	25
Trichlorofluoromethane	0.0500	0.05043		mg/L		101	60 - 140	6	25
Allyl Chloride (3-Chloropropene)	0.0500	0.04441		mg/L		89	70 - 130	8	25
2-Chloro-1,3-butadiene	0.0500	0.05643		mg/L		113	70 - 130	1	25
Propane Nitrile (Propionitrile)	0.500	0.5183		mg/L		104	70 - 130	3	25
Methacrylonitrile	0.500	0.5258		mg/L		105	70 - 130	1	25
Methyl methacrylate	0.100	0.1085		mg/L		109	70 - 130	2	25
Ethyl ether	0.0500	0.05228	J	mg/L		105	70 - 130	0	25
Ethyl acetate	0.100	0.1030		mg/L		103	70 - 130	0	25

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCSD 860-142954/5

Matrix: Water

Analysis Batch: 142954

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	0.1142		mg/L		114	75 - 125	2	25

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

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

Lab Sample ID: MB 860-143347/1-A

Matrix: Water

Analysis Batch: 143428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143347

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		02/01/24 16:11	02/02/24 10:12	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		02/01/24 16:11	02/02/24 10:12	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		02/01/24 16:11	02/02/24 10:12	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		02/01/24 16:11	02/02/24 10:12	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		02/01/24 16:11	02/02/24 10:12	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		02/01/24 16:11	02/02/24 10:12	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		02/01/24 16:11	02/02/24 10:12	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		02/01/24 16:11	02/02/24 10:12	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		02/01/24 16:11	02/02/24 10:12	1
Dibenz[a,h]anthracene	<0.0000760	U	0.000182	0.0000760	mg/L		02/01/24 16:11	02/02/24 10:12	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		02/01/24 16:11	02/02/24 10:12	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		02/01/24 16:11	02/02/24 10:12	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U	0.000182	0.0000913	mg/L		02/01/24 16:11	02/02/24 10:12	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		02/01/24 16:11	02/02/24 10:12	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		02/01/24 16:11	02/02/24 10:12	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		02/01/24 16:11	02/02/24 10:12	1
1-Methylnaphthalene	<0.0000795	U	0.000182	0.0000795	mg/L		02/01/24 16:11	02/02/24 10:12	1
2-Methylnaphthalene	<0.0000913	U	0.000182	0.0000913	mg/L		02/01/24 16:11	02/02/24 10:12	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	132		54 - 146	02/01/24 16:11	02/02/24 10:12	1
Nitrobenzene-d5 (Surr)	107		46 - 151	02/01/24 16:11	02/02/24 10:12	1
p-Terphenyl-d14 (Surr)	84		51 - 139	02/01/24 16:11	02/02/24 10:12	1

Lab Sample ID: LCS 860-143347/2-A

Matrix: Water

Analysis Batch: 143428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.0182	0.02355		mg/L		130	66 - 174
Acenaphthylene	0.0182	0.02444		mg/L		134	67 - 182
Anthracene	0.0182	0.02454		mg/L		135	55 - 191
Benzo[a]anthracene	0.0182	0.01623		mg/L		89	16 - 171

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCS 860-143347/2-A

Matrix: Water

Analysis Batch: 143428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	0.0182	0.01289		mg/L		71	10 - 165
Benzo[b]fluoranthene	0.0182	0.01508		mg/L		83	10 - 166
Benzo[g,h,i]perylene	0.0182	0.01308		mg/L		72	10 - 154
Benzo[k]fluoranthene	0.0182	0.01351		mg/L		74	10 - 178
Chrysene	0.0182	0.01407		mg/L		77	10 - 172
Dibenz(a,h)anthracene	0.0182	0.01500		mg/L		83	10 - 168
Fluoranthene	0.0182	0.02231		mg/L		123	52 - 185
Fluorene	0.0182	0.02525		mg/L		139	64 - 184
Indeno[1,2,3-cd]pyrene	0.0182	0.01466		mg/L		81	10 - 160
Naphthalene	0.0182	0.02274		mg/L		125	66 - 166
Phenanthrene	0.0182	0.02340		mg/L		129	66 - 184
Pyrene	0.0182	0.01964		mg/L		108	58 - 181
1-Methylnaphthalene	0.0182	0.02445		mg/L		134	64 - 167
2-Methylnaphthalene	0.0182	0.02456		mg/L		135	63 - 166

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	127		54 - 146
Nitrobenzene-d5 (Surr)	110		46 - 151
p-Terphenyl-d14 (Surr)	69		51 - 139

Lab Sample ID: LCSD 860-143347/3-A

Matrix: Water

Analysis Batch: 143428

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 143347

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	0.0182	0.02249		mg/L		124	66 - 174	5	40
Acenaphthylene	0.0182	0.02312		mg/L		127	67 - 182	6	40
Anthracene	0.0182	0.02267		mg/L		125	55 - 191	8	40
Benzo[a]anthracene	0.0182	0.01379		mg/L		76	16 - 171	16	50
Benzo[a]pyrene	0.0182	0.01080		mg/L		59	10 - 165	18	50
Benzo[b]fluoranthene	0.0182	0.01255		mg/L		69	10 - 166	18	50
Benzo[g,h,i]perylene	0.0182	0.01066		mg/L		59	10 - 154	20	50
Benzo[k]fluoranthene	0.0182	0.01145		mg/L		63	10 - 178	16	50
Chrysene	0.0182	0.01154		mg/L		63	10 - 172	20	50
Dibenz(a,h)anthracene	0.0182	0.01220		mg/L		67	10 - 168	21	50
Fluoranthene	0.0182	0.02057		mg/L		113	52 - 185	8	40
Fluorene	0.0182	0.02407		mg/L		132	64 - 184	5	40
Indeno[1,2,3-cd]pyrene	0.0182	0.01183		mg/L		65	10 - 160	21	50
Naphthalene	0.0182	0.02174		mg/L		120	66 - 166	5	40
Phenanthrene	0.0182	0.02190		mg/L		120	66 - 184	7	40
Pyrene	0.0182	0.01772		mg/L		97	58 - 181	10	40
1-Methylnaphthalene	0.0182	0.02389		mg/L		131	64 - 167	2	40
2-Methylnaphthalene	0.0182	0.02351		mg/L		129	63 - 166	4	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	116		54 - 146
Nitrobenzene-d5 (Surr)	102		46 - 151
p-Terphenyl-d14 (Surr)	58		51 - 139

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MB 860-143257/1-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143257

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	<0.680	U	2.00	0.680	ug/L		02/01/24 11:15	02/02/24 17:36	1
1,2-Dichlorobenzene	2.745		2.00	0.296	ug/L		02/01/24 11:15	02/02/24 17:36	1
1,3-Dichlorobenzene	<0.350	U	2.00	0.350	ug/L		02/01/24 11:15	02/02/24 17:36	1
1,4-Dichlorobenzene	<0.428	U	2.00	0.428	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,4,5-Trichlorophenol	<0.108	U	2.00	0.108	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,4,6-Trichlorophenol	<0.135	U	2.00	0.135	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,4-Dichlorophenol	<0.115	U	2.00	0.115	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,4-Dimethylphenol	<0.148	U	2.00	0.148	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,4-Dinitrophenol	<1.46	U	8.00	1.46	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,4-Dinitrotoluene	<0.127	U	2.00	0.127	ug/L		02/01/24 11:15	02/02/24 17:36	1
2,6-Dinitrotoluene	<0.199	U	2.00	0.199	ug/L		02/01/24 11:15	02/02/24 17:36	1
2-Chloronaphthalene	<1.09	U	8.00	1.09	ug/L		02/01/24 11:15	02/02/24 17:36	1
2-Methylnaphthalene	<0.480	U	2.00	0.480	ug/L		02/01/24 11:15	02/02/24 17:36	1
2-Methylphenol	<0.159	U	2.00	0.159	ug/L		02/01/24 11:15	02/02/24 17:36	1
2-Nitroaniline	<0.163	U	4.00	0.163	ug/L		02/01/24 11:15	02/02/24 17:36	1
2-Nitrophenol	<0.135	U	2.00	0.135	ug/L		02/01/24 11:15	02/02/24 17:36	1
3 & 4 Methylphenol	<0.163	U	2.00	0.163	ug/L		02/01/24 11:15	02/02/24 17:36	1
3-Nitroaniline	<0.344	U	2.00	0.344	ug/L		02/01/24 11:15	02/02/24 17:36	1
4,6-Dinitro-2-methylphenol	<0.736	U	8.00	0.736	ug/L		02/01/24 11:15	02/02/24 17:36	1
4-Bromophenyl-phenylether	<0.167	U	2.00	0.167	ug/L		02/01/24 11:15	02/02/24 17:36	1
4-Chloro-3-methylphenol	<0.157	U	2.00	0.157	ug/L		02/01/24 11:15	02/02/24 17:36	1
4-Chloroaniline	<0.149	U	4.00	0.149	ug/L		02/01/24 11:15	02/02/24 17:36	1
4-Chlorophenyl-phenylether	<0.232	U	2.00	0.232	ug/L		02/01/24 11:15	02/02/24 17:36	1
4-Nitroaniline	<0.247	U	4.00	0.247	ug/L		02/01/24 11:15	02/02/24 17:36	1
4-Nitrophenol	<0.531	U	4.00	0.531	ug/L		02/01/24 11:15	02/02/24 17:36	1
Acenaphthene	<0.208	U	2.00	0.208	ug/L		02/01/24 11:15	02/02/24 17:36	1
Acenaphthylene	<0.215	U	2.00	0.215	ug/L		02/01/24 11:15	02/02/24 17:36	1
Aniline (Phenylamine, Aminobenzene)	<0.314	U	4.00	0.314	ug/L		02/01/24 11:15	02/02/24 17:36	1
Anthracene	<0.154	U	2.00	0.154	ug/L		02/01/24 11:15	02/02/24 17:36	1
Benzo[a]anthracene	<0.150	U	2.00	0.150	ug/L		02/01/24 11:15	02/02/24 17:36	1
Benzo[a]pyrene	<0.148	U	2.00	0.148	ug/L		02/01/24 11:15	02/02/24 17:36	1
Benzo[b]fluoranthene	<0.210	U	2.00	0.210	ug/L		02/01/24 11:15	02/02/24 17:36	1
Benzo[g,h,i]perylene	<0.143	U	2.00	0.143	ug/L		02/01/24 11:15	02/02/24 17:36	1
Benzo[k]fluoranthene	<0.166	U	2.00	0.166	ug/L		02/01/24 11:15	02/02/24 17:36	1
Benzoic acid	<1.06	U	8.00	1.06	ug/L		02/01/24 11:15	02/02/24 17:36	1
Butyl benzyl phthalate	<0.150	U	2.00	0.150	ug/L		02/01/24 11:15	02/02/24 17:36	1
Bis(2-chloroethoxy)methane	<0.170	U	2.00	0.170	ug/L		02/01/24 11:15	02/02/24 17:36	1
Bis(2-chloroethyl)ether	<0.278	U	2.00	0.278	ug/L		02/01/24 11:15	02/02/24 17:36	1
bis(2-chloroisopropyl) ether	<0.139	U	2.00	0.139	ug/L		02/01/24 11:15	02/02/24 17:36	1
Bis(2-ethylhexyl) phthalate	<0.225	U	2.00	0.225	ug/L		02/01/24 11:15	02/02/24 17:36	1
Chrysene	<0.159	U	2.00	0.159	ug/L		02/01/24 11:15	02/02/24 17:36	1
Dibenz(a,h)anthracene	<0.148	U	2.00	0.148	ug/L		02/01/24 11:15	02/02/24 17:36	1
Dibenzofuran	<0.336	U	2.00	0.336	ug/L		02/01/24 11:15	02/02/24 17:36	1
Diethyl phthalate	<0.118	U	2.00	0.118	ug/L		02/01/24 11:15	02/02/24 17:36	1
Dimethyl phthalate	<0.143	U	2.00	0.143	ug/L		02/01/24 11:15	02/02/24 17:36	1
Di-n-butyl phthalate	<0.800	U	2.00	0.800	ug/L		02/01/24 11:15	02/02/24 17:36	1
Di-n-octyl phthalate	<0.169	U	2.00	0.169	ug/L		02/01/24 11:15	02/02/24 17:36	1
Fluoranthene	<0.148	U	2.00	0.148	ug/L		02/01/24 11:15	02/02/24 17:36	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MB 860-143257/1-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.205	U	2.00	0.205	ug/L		02/01/24 11:15	02/02/24 17:36	1
Hexachlorobenzene	<0.126	U	2.00	0.126	ug/L		02/01/24 11:15	02/02/24 17:36	1
Hexachlorobutadiene	<0.252	U	2.00	0.252	ug/L		02/01/24 11:15	02/02/24 17:36	1
Hexachlorocyclopentadiene	<0.431	U	2.00	0.431	ug/L		02/01/24 11:15	02/02/24 17:36	1
Hexachloroethane	<0.140	U	2.00	0.140	ug/L		02/01/24 11:15	02/02/24 17:36	1
Indeno[1,2,3-cd]pyrene	<0.852	U	2.00	0.852	ug/L		02/01/24 11:15	02/02/24 17:36	1
Isophorone	<0.168	U	2.00	0.168	ug/L		02/01/24 11:15	02/02/24 17:36	1
Naphthalene	<0.423	U	2.00	0.423	ug/L		02/01/24 11:15	02/02/24 17:36	1
Nitrobenzene	<0.934	U	2.00	0.934	ug/L		02/01/24 11:15	02/02/24 17:36	1
N-Nitrosodi-n-propylamine	<0.161	U	2.00	0.161	ug/L		02/01/24 11:15	02/02/24 17:36	1
N-Nitrosodiphenylamine	<0.155	U	2.00	0.155	ug/L		02/01/24 11:15	02/02/24 17:36	1
Pentachlorophenol	<0.441	U	2.00	0.441	ug/L		02/01/24 11:15	02/02/24 17:36	1
Phenanthrene	<0.176	U	2.00	0.176	ug/L		02/01/24 11:15	02/02/24 17:36	1
Phenol	<0.202	U	4.00	0.202	ug/L		02/01/24 11:15	02/02/24 17:36	1
Pyrene	<0.159	U	2.00	0.159	ug/L		02/01/24 11:15	02/02/24 17:36	1
Pyridine	<0.725	U	2.00	0.725	ug/L		02/01/24 11:15	02/02/24 17:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	34		31 - 132	02/01/24 11:15	02/02/24 17:36	1
2-Fluorobiphenyl (Surr)	45		40 - 130	02/01/24 11:15	02/02/24 17:36	1
2-Fluorophenol (Surr)	29		21 - 114	02/01/24 11:15	02/02/24 17:36	1
Nitrobenzene-d5 (Surr)	43		37 - 130	02/01/24 11:15	02/02/24 17:36	1
p-Terphenyl-d14 (Surr)	67		20 - 141	02/01/24 11:15	02/02/24 17:36	1
Phenol-d5 (Surr)	21		16 - 117	02/01/24 11:15	02/02/24 17:36	1

Lab Sample ID: LCS 860-143257/2-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	11.69		ug/L		58	34 - 117
1,2-Dichlorobenzene	20.0	14.81		ug/L		74	38 - 111
1,3-Dichlorobenzene	20.0	10.82		ug/L		54	37 - 111
1,4-Dichlorobenzene	20.0	10.62		ug/L		53	37 - 111
2,4,5-Trichlorophenol	20.0	12.12		ug/L		61	39 - 125
2,4,6-Trichlorophenol	20.0	11.89		ug/L		59	42 - 125
2,4-Dichlorophenol	20.0	10.90		ug/L		54	38 - 120
2,4-Dimethylphenol	20.0	11.80		ug/L		59	39 - 117
2,4-Dinitrophenol	20.0	10.15		ug/L		51	13 - 152
2,4-Dinitrotoluene	20.0	16.16		ug/L		81	41 - 128
2,6-Dinitrotoluene	20.0	14.41		ug/L		72	42 - 127
2-Chloronaphthalene	20.0	11.02		ug/L		55	40 - 118
2-Methylnaphthalene	20.0	12.20		ug/L		61	37 - 112
2-Methylphenol	20.0	9.788		ug/L		49	36 - 125
2-Nitroaniline	20.0	10.42		ug/L		52	34 - 126
2-Nitrophenol	20.0	11.02		ug/L		55	38 - 125
3 & 4 Methylphenol	20.0	9.191		ug/L		46	35 - 116
3-Nitroaniline	20.0	12.82		ug/L		64	42 - 123

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCS 860-143257/2-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	20.0	14.45		ug/L		72	12 - 157
4-Bromophenyl-phenylether	20.0	13.04		ug/L		65	40 - 126
4-Chloro-3-methylphenol	20.0	12.21		ug/L		61	40 - 119
4-Chloroaniline	20.0	9.411		ug/L		47	39 - 111
4-Chlorophenyl-phenylether	20.0	13.18		ug/L		66	40 - 122
4-Nitroaniline	20.0	17.15		ug/L		86	42 - 125
4-Nitrophenol	20.0	10.61		ug/L		53	14 - 102
Acenaphthene	20.0	11.80		ug/L		59	41 - 116
Acenaphthylene	20.0	12.19		ug/L		61	41 - 118
Aniline (Phenylamine, Aminobenzene)	20.0	6.730		ug/L		34	31 - 100
Anthracene	20.0	14.38		ug/L		72	39 - 127
Benzo[a]anthracene	20.0	16.55		ug/L		83	40 - 129
Benzo[a]pyrene	20.0	17.28		ug/L		86	36 - 141
Benzo[b]fluoranthene	20.0	16.00		ug/L		80	34 - 139
Benzo[g,h,i]perylene	20.0	19.70		ug/L		98	32 - 141
Benzo[k]fluoranthene	20.0	16.29		ug/L		81	31 - 139
Benzoic acid	60.0	18.44		ug/L		31	27 - 195
Butyl benzyl phthalate	20.0	15.79		ug/L		79	44 - 133
Bis(2-chloroethoxy)methane	20.0	11.55		ug/L		58	36 - 113
Bis(2-chloroethyl)ether	20.0	10.80		ug/L		54	38 - 111
bis(2-chloroisopropyl) ether	20.0	10.50		ug/L		53	10 - 150
Bis(2-ethylhexyl) phthalate	20.0	13.81		ug/L		69	44 - 136
Chrysene	20.0	16.83		ug/L		84	41 - 124
Dibenz(a,h)anthracene	20.0	19.04		ug/L		95	35 - 143
Dibenzofuran	20.0	12.39		ug/L		62	41 - 119
Diethyl phthalate	20.0	14.95		ug/L		75	41 - 125
Dimethyl phthalate	20.0	13.73		ug/L		69	42 - 123
Di-n-butyl phthalate	20.0	16.84		ug/L		84	41 - 133
Di-n-octyl phthalate	20.0	13.10		ug/L		65	34 - 145
Fluoranthene	20.0	17.65		ug/L		88	38 - 132
Fluorene	20.0	13.18		ug/L		66	41 - 121
Hexachlorobenzene	20.0	13.22		ug/L		66	39 - 128
Hexachlorobutadiene	20.0	11.08		ug/L		55	31 - 120
Hexachlorocyclopentadiene	20.0	13.93		ug/L		70	15 - 117
Hexachloroethane	20.0	10.99		ug/L		55	37 - 109
Indeno[1,2,3-cd]pyrene	20.0	19.67		ug/L		98	35 - 141
Isophorone	20.0	12.22		ug/L		61	40 - 115
Naphthalene	20.0	11.46		ug/L		57	37 - 113
Nitrobenzene	20.0	10.45		ug/L		52	37 - 114
N-Nitrosodi-n-propylamine	20.0	11.71		ug/L		59	38 - 117
N-Nitrosodiphenylamine	20.0	13.13		ug/L		66	40 - 127
Pentachlorophenol	20.0	12.06		ug/L		60	10 - 137
Phenanthrene	20.0	13.86		ug/L		69	39 - 126
Phenol	20.0	6.317		ug/L		32	15 - 106
Pyrene	20.0	14.19		ug/L		71	40 - 130
Pyridine	20.0	3.711		ug/L		19	16 - 135

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCS 860-143257/2-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143257

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	66		31 - 132
2-Fluorobiphenyl (Surr)	59		40 - 130
2-Fluorophenol (Surr)	35		21 - 114
Nitrobenzene-d5 (Surr)	55		37 - 130
p-Terphenyl-d14 (Surr)	81		20 - 141
Phenol-d5 (Surr)	29		16 - 117

Lab Sample ID: LCSD 860-143257/3-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 143257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	20.0	12.79		ug/L		64	34 - 117	9	30
1,2-Dichlorobenzene	20.0	16.56		ug/L		83	38 - 111	11	30
1,3-Dichlorobenzene	20.0	12.22		ug/L		61	37 - 111	12	30
1,4-Dichlorobenzene	20.0	12.19		ug/L		61	37 - 111	14	30
2,4,5-Trichlorophenol	20.0	13.68		ug/L		68	39 - 125	12	30
2,4,6-Trichlorophenol	20.0	13.20		ug/L		66	42 - 125	10	30
2,4-Dichlorophenol	20.0	12.31		ug/L		62	38 - 120	12	30
2,4-Dimethylphenol	20.0	13.29		ug/L		66	39 - 117	12	30
2,4-Dinitrophenol	20.0	11.24		ug/L		56	13 - 152	10	30
2,4-Dinitrotoluene	20.0	15.75		ug/L		79	41 - 128	3	30
2,6-Dinitrotoluene	20.0	14.49		ug/L		72	42 - 127	1	30
2-Chloronaphthalene	20.0	11.62		ug/L		58	40 - 118	5	30
2-Methylnaphthalene	20.0	13.35		ug/L		67	37 - 112	9	30
2-Methylphenol	20.0	11.33		ug/L		57	36 - 125	15	30
2-Nitroaniline	20.0	11.54		ug/L		58	34 - 126	10	30
2-Nitrophenol	20.0	12.11		ug/L		61	38 - 125	9	30
3 & 4 Methylphenol	20.0	10.61		ug/L		53	35 - 116	14	30
3-Nitroaniline	20.0	13.43		ug/L		67	42 - 123	5	30
4,6-Dinitro-2-methylphenol	20.0	14.63		ug/L		73	12 - 157	1	30
4-Bromophenyl-phenylether	20.0	12.80		ug/L		64	40 - 126	2	30
4-Chloro-3-methylphenol	20.0	13.03		ug/L		65	40 - 119	7	30
4-Chloroaniline	20.0	10.56		ug/L		53	39 - 111	12	30
4-Chlorophenyl-phenylether	20.0	13.51		ug/L		68	40 - 122	2	30
4-Nitroaniline	20.0	17.03		ug/L		85	42 - 125	1	30
4-Nitrophenol	20.0	10.81		ug/L		54	14 - 102	2	30
Acenaphthene	20.0	12.56		ug/L		63	41 - 116	6	30
Acenaphthylene	20.0	13.15		ug/L		66	41 - 118	8	30
Aniline (Phenylamine, Aminobenzene)	20.0	8.001		ug/L		40	31 - 100	17	30
Anthracene	20.0	14.40		ug/L		72	39 - 127	0	30
Benzo[a]anthracene	20.0	18.50		ug/L		92	40 - 129	11	30
Benzo[a]pyrene	20.0	19.34		ug/L		97	36 - 141	11	30
Benzo[b]fluoranthene	20.0	17.76		ug/L		89	34 - 139	10	30
Benzo[g,h,i]perylene	20.0	21.89		ug/L		109	32 - 141	11	30
Benzo[k]fluoranthene	20.0	18.28		ug/L		91	31 - 139	12	30
Benzoic acid	60.0	20.01		ug/L		33	27 - 195	8	30
Butyl benzyl phthalate	20.0	17.71		ug/L		89	44 - 133	11	30

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCSD 860-143257/3-A

Matrix: Water

Analysis Batch: 143536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 143257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Bis(2-chloroethoxy)methane	20.0	12.86		ug/L		64	36 - 113	11		30
Bis(2-chloroethyl)ether	20.0	12.40		ug/L		62	38 - 111	14		30
bis(2-chloroisopropyl) ether	20.0	11.98		ug/L		60	10 - 150	13		30
Bis(2-ethylhexyl) phthalate	20.0	15.48		ug/L		77	44 - 136	11		30
Chrysene	20.0	18.45		ug/L		92	41 - 124	9		30
Dibenz(a,h)anthracene	20.0	21.31		ug/L		107	35 - 143	11		30
Dibenzofuran	20.0	13.11		ug/L		66	41 - 119	6		30
Diethyl phthalate	20.0	15.11		ug/L		76	41 - 125	1		30
Dimethyl phthalate	20.0	13.98		ug/L		70	42 - 123	2		30
Di-n-butyl phthalate	20.0	18.20		ug/L		91	41 - 133	8		30
Di-n-octyl phthalate	20.0	14.51		ug/L		73	34 - 145	10		30
Fluoranthene	20.0	19.01		ug/L		95	38 - 132	7		30
Fluorene	20.0	13.66		ug/L		68	41 - 121	4		30
Hexachlorobenzene	20.0	13.22		ug/L		66	39 - 128	0		30
Hexachlorobutadiene	20.0	12.00		ug/L		60	31 - 120	8		30
Hexachlorocyclopentadiene	20.0	15.40		ug/L		77	15 - 117	10		30
Hexachloroethane	20.0	12.58		ug/L		63	37 - 109	13		30
Indeno[1,2,3-cd]pyrene	20.0	21.93		ug/L		110	35 - 141	11		30
Isophorone	20.0	13.11		ug/L		66	40 - 115	7		30
Naphthalene	20.0	12.74		ug/L		64	37 - 113	11		30
Nitrobenzene	20.0	11.80		ug/L		59	37 - 114	12		30
N-Nitrosodi-n-propylamine	20.0	13.02		ug/L		65	38 - 117	11		30
N-Nitrosodiphenylamine	20.0	13.23		ug/L		66	40 - 127	1		30
Pentachlorophenol	20.0	13.20		ug/L		66	10 - 137	9		30
Phenanthrene	20.0	13.73		ug/L		69	39 - 126	1		30
Phenol	20.0	7.192		ug/L		36	15 - 106	13		30
Pyrene	20.0	15.46		ug/L		77	40 - 130	9		30
Pyridine	20.0	3.627		ug/L		18	16 - 135	2		30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	67		31 - 132
2-Fluorobiphenyl (Surr)	65		40 - 130
2-Fluorophenol (Surr)	41		21 - 114
Nitrobenzene-d5 (Surr)	62		37 - 130
p-Terphenyl-d14 (Surr)	90		20 - 141
Phenol-d5 (Surr)	34		16 - 117

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

Lab Sample ID: MB 860-147391/1-A

Matrix: Water

Analysis Batch: 147532

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 147391

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<9.88	U	50.0	9.88	mg/L		02/28/24 11:47	02/29/24 13:17	1
Diesel Range Organics (Over C10-C28)	<9.88	U	50.0	9.88	mg/L		02/28/24 11:47	02/29/24 13:17	1
Oil Range Organics (Over C28-C36)	18.42	J	50.0	9.54	mg/L		02/28/24 11:47	02/29/24 13:17	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MB 860-147391/1-A

Matrix: Water

Analysis Batch: 147532

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 147391

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane	92		70 - 135	02/28/24 11:47	02/29/24 13:17	1			
o-Terphenyl	90		70 - 135	02/28/24 11:47	02/29/24 13:17	1			

Lab Sample ID: LCS 860-147391/2-A

Matrix: Water

Analysis Batch: 147532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 147391

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			999	924.5		mg/L		93	70 - 135		
Diesel Range Organics (Over C10-C28)			1000	1038		mg/L		104	70 - 135		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	80		70 - 135								
o-Terphenyl	75		70 - 135								

Lab Sample ID: LCSD 860-147391/3-A

Matrix: Water

Analysis Batch: 147532

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 147391

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			999	903.4		mg/L		90	70 - 135	2	35	
Diesel Range Organics (Over C10-C28)			1000	1015		mg/L		102	70 - 135	2	35	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	79		70 - 135									
o-Terphenyl	74		70 - 135									

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-148017/68

Matrix: Water

Analysis Batch: 148017

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac	
Ammonia	<0.0510	U	0.100	0.0510	mg/L			03/03/24 17:52	1		

Lab Sample ID: LCS 860-148017/69

Matrix: Water

Analysis Batch: 148017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ammonia			1.00	0.9969		mg/L		100	90 - 110		

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 860-148017/70
Matrix: Water
Analysis Batch: 148017

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	1.006		mg/L		101	90 - 110	1	20

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

Lab Sample ID: MB 860-143539/1
Matrix: Water
Analysis Batch: 143539

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			02/02/24 13:46	1

Lab Sample ID: LCS 860-143539/2
Matrix: Water
Analysis Batch: 143539

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	991.0		mg/L		99	80 - 120		

Lab Sample ID: LCSD 860-143539/3
Matrix: Water
Analysis Batch: 143539

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	1001		mg/L		100	80 - 120	1	10

Lab Sample ID: LLCS 860-143539/26
Matrix: Water
Analysis Batch: 143539

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	5.500		mg/L		110	50 - 150		

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

Lab Sample ID: MB 860-143460/1
Matrix: Water
Analysis Batch: 143460

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	<4.00	U	4.00	4.00	mg/L			02/02/24 10:15	1

Lab Sample ID: LCS 860-143460/2
Matrix: Water
Analysis Batch: 143460

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	100	103.0		mg/L		103	80 - 120		

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCSD 860-143460/3

Matrix: Water

Analysis Batch: 143460

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	100	103.0		mg/L		103	80 - 120	0	10

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 860-142852/3

Matrix: Water

Analysis Batch: 142852

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			01/30/24 13:21	1

Lab Sample ID: LCS 860-142852/4

Matrix: Water

Analysis Batch: 142852

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	1.095		mg/L		110	90 - 110		

Lab Sample ID: LCSD 860-142852/5

Matrix: Water

Analysis Batch: 142852

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	1.092		mg/L		109	90 - 110	0	20

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

Lab Sample ID: MB 400-659665/52

Matrix: Water

Analysis Batch: 659665

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			02/03/24 06:56	1

Lab Sample ID: LCS 400-659665/53

Matrix: Water

Analysis Batch: 659665

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	19.93		mg/L		100	85 - 115		

Lab Sample ID: LCSD 400-659665/54

Matrix: Water

Analysis Batch: 659665

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	20.24		mg/L		101	85 - 115	2	30

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: MRL 400-659665/6
Matrix: Water
Analysis Batch: 659665

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	0.9212	J	mg/L		92	50 - 150

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

Lab Sample ID: MB 400-659673/1-A
Matrix: Water
Analysis Batch: 659666

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			02/02/24 21:58	1

Lab Sample ID: LCS 400-659673/2-A
Matrix: Water
Analysis Batch: 659666

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	19.33		mg/L		97	85 - 115

Lab Sample ID: LCSD 400-659673/3-A
Matrix: Water
Analysis Batch: 659666

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	19.88		mg/L		99	85 - 115	3	30

Lab Sample ID: MRL 400-659666/6
Matrix: Water
Analysis Batch: 659666

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	0.9212	J	mg/L		92	50 - 150

Method: SM 5540C - Methylene Blue Active Substances (MBAS)

Lab Sample ID: MB 860-142599/3
Matrix: Water
Analysis Batch: 142599

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	<0.0800	U	0.100	0.0800	mg/L			01/27/24 18:19	1

Lab Sample ID: LCS 860-142599/4
Matrix: Water
Analysis Batch: 142599

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Blue Active Substances	1.00	0.9663		mg/L		97	90 - 110

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-646914/1-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646914

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Gross Alpha	-0.1792	U	0.458	0.458	3.00	0.964	pCi/L	02/05/24 10:15	02/08/24 18:18	1
Gross Beta	0.03519	U	0.489	0.489	4.00	0.873	pCi/L	02/05/24 10:15	02/08/24 18:18	1

Lab Sample ID: LCS 160-646914/2-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646914

Analyte	Spike Added	LCS		Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Gross Alpha	49.3	54.21		7.90	3.00	2.54	pCi/L	110	75 - 125

Lab Sample ID: LCSB 160-646914/3-A
Matrix: Water
Analysis Batch: 647336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 646914

Analyte	Spike Added	LCSB		Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Gross Beta	72.0	73.18		7.85	4.00	0.797	pCi/L	102	75 - 125

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

Lab Sample ID: MB 160-646186/1-A
Matrix: Water
Analysis Batch: 649533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 646186

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Actinium-227	26.36	U	74.0	74.0		97.8	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Actinium-228	-32.44	U	56.6	56.8		63.3	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Bismuth-212	66.70	U	123	123		208	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Bismuth-214	65.56		22.6	23.9		17.9	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Lead-210	-209.4	U	171	173		308	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Lead-212	-18.53	U	19.7	19.8		36.2	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Lead-214	41.66		14.4	15.3		22.4	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Potassium-40	52.54	U	93.1	93.3		101	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Protactinium-231	0.0000	U	163	163		1190	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Radium-226	65.56		22.6	23.9	50.0	17.9	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Radium-228	-32.44	U G	56.6	56.8	50.0	63.3	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Thallium-208	12.95		10.7	10.8		10.3	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Thorium-232	-32.44	U	56.6	56.8		63.3	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Thorium-234	109.0	U	210	210		288	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Uranium 235	17.83	U	47.5	47.5		173	pCi/L	01/30/24 12:50	02/23/24 14:01	1
Uranium 238	109.0	U	210	210		288	pCi/L	01/30/24 12:50	02/23/24 14:01	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38531-1

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

Lab Sample ID: LCS 160-646186/2-A								Client Sample ID: Lab Control Sample			
Matrix: Water								Prep Type: Total/NA			
Analysis Batch: 648904								Prep Batch: 646186			
						Total					
		Spike		LCS		LCS				%Rec	
Analyte		Added		Result		Qual		Uncert.		RL	
								(2σ+/-)		MDC	
										Unit	
										%Rec	
										Limits	
Americium-241		135000		139200				16600		479	
										pCi/L	
Cesium-137		40000		41430				4940		110	
										pCi/L	
Cobalt-60		15800		16600				1980		66.7	
										pCi/L	
										103	
										75 - 125	
										104	
										75 - 125	
										105	
										75 - 125	

QC Association Summary

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

Job ID: 880-38531-1

GC/MS VOA

Analysis Batch: 142954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	8260D	
MB 860-142954/11	Method Blank	Total/NA	Water	8260D	
LCS 860-142954/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 860-142954/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 143257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	3510C	
MB 860-143257/1-A	Method Blank	Total/NA	Water	3510C	
LCS 860-143257/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 860-143257/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 143347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	3511	
MB 860-143347/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-143347/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-143347/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 143428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	8270D SIM	143347
MB 860-143347/1-A	Method Blank	Total/NA	Water	8270D SIM	143347
LCS 860-143347/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	143347
LCSD 860-143347/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	143347

Analysis Batch: 143536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	8270E LL	143257
MB 860-143257/1-A	Method Blank	Total/NA	Water	8270E LL	143257
LCS 860-143257/2-A	Lab Control Sample	Total/NA	Water	8270E LL	143257
LCSD 860-143257/3-A	Lab Control Sample Dup	Total/NA	Water	8270E LL	143257

GC Semi VOA

Analysis Batch: 130308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	8015 NM	

Analysis Batch: 142554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	8015B NM	142559

Prep Batch: 142559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	8015NM Aq Prep	

QC Association Summary

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

Job ID: 880-38531-1

GC Semi VOA

Prep Batch: 147391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-147391/1-A	Method Blank	Total/NA	Water	TX_1005_S_Pre p	
LCS 860-147391/2-A	Lab Control Sample	Total/NA	Water	TX_1005_S_Pre p	
LCSD 860-147391/3-A	Lab Control Sample Dup	Total/NA	Water	TX_1005_S_Pre p	

Analysis Batch: 147532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-147391/1-A	Method Blank	Total/NA	Water	8015B NM	147391
LCS 860-147391/2-A	Lab Control Sample	Total/NA	Water	8015B NM	147391
LCSD 860-147391/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	147391

General Chemistry

Analysis Batch: 142599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	SM 5540C	
MB 860-142599/3	Method Blank	Total/NA	Water	SM 5540C	
LCS 860-142599/4	Lab Control Sample	Total/NA	Water	SM 5540C	

Analysis Batch: 142852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	SM 4500 S2 D	
MB 860-142852/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 860-142852/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 860-142852/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 143460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	SM 2540D	
MB 860-143460/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 860-143460/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 860-143460/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 143539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	SM 2540C	
MB 860-143539/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-143539/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-143539/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-143539/26	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 148017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	350.1	
MB 860-148017/68	Method Blank	Total/NA	Water	350.1	
LCS 860-148017/69	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-148017/70	Lab Control Sample Dup	Total/NA	Water	350.1	

Eurofins Midland

QC Association Summary

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

Job ID: 880-38531-1

General Chemistry

Analysis Batch: 659665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	SM 5310B	
MB 400-659665/52	Method Blank	Total/NA	Water	SM 5310B	
LCS 400-659665/53	Lab Control Sample	Total/NA	Water	SM 5310B	
LCSD 400-659665/54	Lab Control Sample Dup	Total/NA	Water	SM 5310B	
MRL 400-659665/6	Lab Control Sample	Total/NA	Water	SM 5310B	

Analysis Batch: 659666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Dissolved	Water	SM 5310B	659673
MB 400-659673/1-A	Method Blank	Dissolved	Water	SM 5310B	659673
LCS 400-659673/2-A	Lab Control Sample	Dissolved	Water	SM 5310B	659673
LCSD 400-659673/3-A	Lab Control Sample Dup	Dissolved	Water	SM 5310B	659673
MRL 400-659666/6	Lab Control Sample	Dissolved	Water	SM 5310B	

Filtration Batch: 659673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Dissolved	Water	FILTRATION	
MB 400-659673/1-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 400-659673/2-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 400-659673/3-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Rad

Prep Batch: 646186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	Fill_Geo-21	
MB 160-646186/1-A	Method Blank	Total/NA	Water	Fill_Geo-21	
LCS 160-646186/2-A	Lab Control Sample	Total/NA	Water	Fill_Geo-21	

Prep Batch: 646914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38531-1	Concentrate	Total/NA	Water	Evaporation	
MB 160-646914/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-646914/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-646914/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Lab Chronicle

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

Job ID: 880-38531-1

Client Sample ID: Concentrate

Lab Sample ID: 880-38531-1

Date Collected: 01/26/24 08:00

Matrix: Water

Date Received: 01/26/24 09:34

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	142954	01/31/24 13:22	NA	EET HOU
Total/NA	Prep	3511			55.2 mL	2.00 mL	143347	02/01/24 16:11	DR	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	143428	02/02/24 14:44	LPL	EET HOU
Total/NA	Prep	3510C			250 mL	1.00 mL	143257	02/01/24 11:15	DR	EET HOU
Total/NA	Analysis	8270E LL		10	1 mL	1 mL	143536	02/03/24 02:04	PXS	EET HOU
Total/NA	Analysis	8015 NM		1			130308	01/29/24 10:20	ELJ	EET HOU
Total/NA	Prep	8015NM Aq Prep			30 mL	3 mL	142559	01/29/24 07:37	TH	EET HOU
Total/NA	Analysis	8015B NM		1			142554	01/29/24 10:20	TH	EET HOU
Total/NA	Analysis	350.1		50	10 mL	10 mL	148017	03/03/24 18:57	ADL	EET HOU
Total/NA	Analysis	SM 2540C		1	.5 mL	200 mL	143539	02/02/24 13:46	YG	EET HOU
Total/NA	Analysis	SM 2540D		1	300 mL	1000 mL	143460	02/02/24 10:15	ADL	EET HOU
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	142852	01/30/24 13:21	SCI	EET HOU
Dissolved	Filtration	FILTRATION					659673	02/02/24 14:30	DEK	EET PEN
Dissolved	Analysis	SM 5310B		1			659666	02/03/24 00:38	DEK	EET PEN
Total/NA	Analysis	SM 5310B		2	50 mL	50 mL	659665	02/03/24 08:54	DEK	EET PEN
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	142599	01/27/24 18:28	JM	EET HOU
Total/NA	Prep	Evaporation			0.312 mL	1.0 g	646914	02/05/24 10:15	ASG	EET SL
Total/NA	Analysis	900.0		1			647476	02/08/24 18:34	FLC	EET SL
Total/NA	Prep	Fill_Geo-21			1000 mL	1.0 g	646186	01/30/24 12:50	SAC	EET SL
Total/NA	Analysis	901.1		1			648902	02/20/24 21:50	EMH	EET SL

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

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

Job ID: 880-38531-1

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 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
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 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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Midland

Accreditation/Certification Summary

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

Job ID: 880-38531-1

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
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
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	02-28-24
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.

Eurofins Midland

Method Summary

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

Job ID: 880-38531-1

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
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
SM 2540D	Solids, Total Suspended (TSS)	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
SM 5540C	Methylene Blue Active Substances (MBAS)	SM	EET HOU
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	EET SL
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU
8015NM Aq Prep	Microextraction	SW846	EET HOU
Evaporation	Preparation, Evaporation	None	EET SL
Fill_Geo-21	Fill Geometry, 21-Day In-Growth	None	EET SL
FILTRATION	Sample Filtration	None	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

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

Job ID: 880-38531-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38531-1	Concentrate	Water	01/26/24 08:00	01/26/24 09:34

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

3.5/37

[illegible]

ORIGIN: MAFL 1321 563-1800
SAMPLE RECEIVING
XENCO LABORATORIES-DOES SA
121 W. FLORIDA AVE

SHIP DATE: 26 JAN 24
ACT WGT: 20.00 LB
CAD: 7354048/INET 4700

MIDLAND COUNTY
UNITED STATES US

BILL SENDER

TO: SAMPLE RECEIVING
EUROFINS TESTAMERICA PENSACOLA
3355 MCLEVOY DR

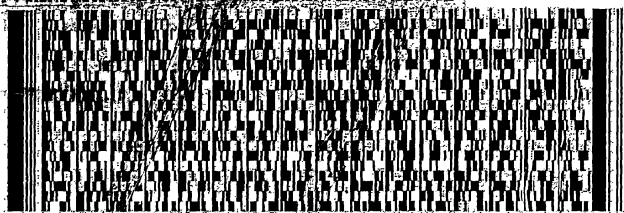
PENSACOLA FL 32514

(250) 474-1001

FEFZ

FedEx Ship Manager - Print Your Label(s)

DEPT:



FedEx
Express



12412401180100

9.80c

SATURDAY 12:00P

PRIORITY OVERNIGHT

7749 6700 5670

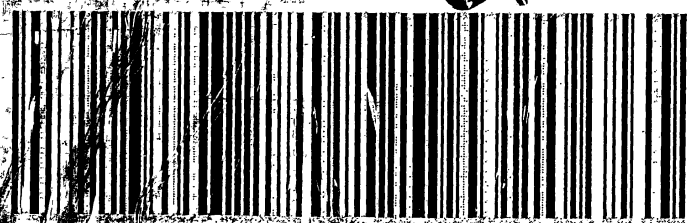
7749 6700 5670

DRG

BP

X0 PNSA

32514
BPM



Pen

4/26/24, 1:13 PM

RT 686

12:00

5670
01.27

Environment Testing

1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Login Sample Receipt Checklist

Client: New Mexico State University

Job Number: 880-38531-1

Login Number: 38531

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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: 880-38531-1

Login Number: 38531

List Number: 3

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 01/27/24 01:28 PM

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: 880-38531-1

Login Number: 38531

List Number: 2

Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

List Creation: 01/27/24 11:57 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	9.8°C IR8
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 $<6\text{mm}$ (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: 880-38531-1

Login Number: 38531

List Number: 4

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 01/29/24 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	