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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 9/25/2024 5:58:57 AM

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311172-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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Authorization

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Table of Contents

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

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

Glossary (Continued)

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

Job Narrative
460-311172-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 9/11/2024 6:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

Receipt Exceptions
Insufficient sample volume was provided for the following sample for the Field Filtered Dissolved metals analysis: FB_09112024 (460-311172-2). Container was not received. Per client request, the lab was instructed to filter unpreserved volume for Dissolved Metals.

Per laboratory policy, the Trip Blank sample date/time was changed to reflect the latest sample date/time of the sampling event. TB_09112024 (460-311172-3)

Method 8260D - Volatile Organic Compounds by GC/MS
Samples RXTW-4 (460-311172-1), FB_09112024 (460-311172-2) and TB_09112024 (460-311172-3) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 9/14/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995829 was outside the method criteria for the following analytes: 1,1,1-Trichloroethane and Carbon tetrachloride (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-995829 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared and analyzed on 9/13/2024.

Method 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution). The samples were prepared and analyzed on 9/12/2024.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared and analyzed on 9/12/2024.

Method 8081B - Organochlorine Pesticides (GC)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/12/2024 and analyzed on 9/13/2024.

The continuing calibration verification (CCV) associated with batch 460-995588 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the secondary column.
The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data is reported. Methoxychlor and 4,4'-DDT was within control limits on the primary column (CCVIS 460-995588/3).

Method 6020B - Metals (ICP/MS) - Dissolved
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared and analyzed on 9/12/2024 and 9/18/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 6020B. The samples were filtered prior to analysis at the laboratory.

FB_09112024 (460-311172-2)

Method 6020B - Metals (ICP/MS) - Total Recoverable
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 9/13/2024 and analyzed on 9/16/2024.

Method 7470A - Mercury (CVAA)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/12/2024.

Method 7470A - Mercury (CVAA) - Dissolved
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 9/13/2024 and 9/17/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 7470A. The samples were filtered prior to analysis at the laboratory.

FB_09112024 (460-311172-2)

Method 7196A - Chromium, Hexavalent
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Chromium, Hexavalent. The samples were analyzed on 9/12/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/13/2024 and 9/15/2024.

Method 9012B - Cyanide, Total andor Amenable
Samples RXTW-4 (460-311172-1) and FB_09112024 (460-311172-2) were analyzed for Cyanide, Total andor Amenable. The samples were prepared and analyzed on 9/15/2024.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: RXTW-4 — Lab Sample ID: 460-311172-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.1	J	2.0	0.48	ug/L	1		6020B	Total Recoverable
Barium	41.4		4.0	0.93	ug/L	1		6020B	Total Recoverable
Calcium	42900		500	31.7	ug/L	1		6020B	Total Recoverable
Cobalt	0.81	J	4.0	0.41	ug/L	1		6020B	Total Recoverable
Copper	2.6	J	4.0	2.0	ug/L	1		6020B	Total Recoverable
Iron	425		120	33.7	ug/L	1		6020B	Total Recoverable
Lead	0.55	J	1.2	0.42	ug/L	1		6020B	Total Recoverable
Magnesium	14000		200	21.8	ug/L	1		6020B	Total Recoverable
Manganese	62.0		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	2.6	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Potassium	5480		200	83.3	ug/L	1		6020B	Total Recoverable
Selenium	0.68	J	2.5	0.43	ug/L	1		6020B	Total Recoverable
Sodium	106000		500	180	ug/L	1		6020B	Total Recoverable
Zinc	13.7	J	16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	1.0	J	2.0	0.48	ug/L	1		6020B	Dissolved
Barium	41.4		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	42700		500	31.7	ug/L	1		6020B	Dissolved
Cobalt	0.76	J	4.0	0.41	ug/L	1		6020B	Dissolved
Copper	2.1	J	4.0	2.0	ug/L	1		6020B	Dissolved
Iron	407		120	33.7	ug/L	1		6020B	Dissolved
Lead	0.46	J	1.2	0.42	ug/L	1		6020B	Dissolved
Magnesium	13800		200	21.8	ug/L	1		6020B	Dissolved
Manganese	61.5		8.0	0.84	ug/L	1		6020B	Dissolved
Nickel	2.4	J	4.0	1.4	ug/L	1		6020B	Dissolved
Potassium	5420		200	83.3	ug/L	1		6020B	Dissolved
Selenium	0.77	J	2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	104000		500	180	ug/L	1		6020B	Dissolved
Zinc	11.3	J	16.0	4.2	ug/L	1		6020B	Dissolved

Client Sample ID: FB_09112024 — Lab Sample ID: 460-311172-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.36	J	1.0	0.32	ug/L	1		8260D	Total/NA
Calcium	52.5	J	500	31.7	ug/L	1		6020B	Dissolved
Magnesium	102	J	200	21.8	ug/L	1		6020B	Dissolved

Client Sample ID: TB_09112024 — Lab Sample ID: 460-311172-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.48	J	1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: RXTW-4
Date Collected: 09/11/24 13:40
Date Received: 09/11/24 18:15

Lab Sample ID: 460-311172-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 11:07	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 11:07	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 11:07	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 11:07	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 11:07	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 11:07	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/14/24 11:07	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 11:07	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 11:07	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 11:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 11:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 11:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 11:07	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 11:07	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 11:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 11:07	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 11:07	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 11:07	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 11:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 11:07	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 11:07	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 11:07	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 11:07	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/14/24 11:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 11:07	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 11:07	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 11:07	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 11:07	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 11:07	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 11:07	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 11:07	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*76 - 120*		*09/14/24 11:07*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*09/14/24 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*09/14/24 11:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/14/24 11:07*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 22:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*10 - 150*	*09/12/24 09:23*	*09/12/24 22:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:14	09/13/24 23:02	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:02	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:14	09/13/24 23:02	1

Client Sample ID: RXTW-4
Lab Sample ID: 460-311172-1
Date Collected: 09/11/24 13:40
Matrix: Water
Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:14	09/13/24 23:02	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:14	09/13/24 23:02	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:14	09/13/24 23:02	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:02	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:14	09/13/24 23:02	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:14	09/13/24 23:02	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:14	09/13/24 23:02	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:14	09/13/24 23:02	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:14	09/13/24 23:02	1
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:14	09/13/24 23:02	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:14	09/13/24 23:02	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:14	09/13/24 23:02	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:02	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:14	09/13/24 23:02	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:14	09/13/24 23:02	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:14	09/13/24 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*37 - 150*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
2-Fluorobiphenyl	*70*		*46 - 139*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
2-Fluorophenol (Surr)	*57*		*16 - 80*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
Nitrobenzene-d5 (Surr)	*79*		*51 - 145*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
Phenol-d5 (Surr)	*41*		*10 - 56*	*09/13/24 11:14*	*09/13/24 23:02*	*1*
Terphenyl-d14 (Surr)	*84*		*13 - 159*	*09/13/24 11:14*	*09/13/24 23:02*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:24	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:24	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:24	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/12/24 09:51	09/13/24 08:24	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/12/24 09:51	09/13/24 08:24	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/12/24 09:51	09/13/24 08:24	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:24	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:24	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:24	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:24	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/12/24 09:51	09/13/24 08:24	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:24	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:24	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:24	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: RXTW-4
Date Collected: 09/11/24 13:40
Date Received: 09/11/24 18:15

Lab Sample ID: 460-311172-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.50	U	0.50	0.11	ug/L		09/12/24 09:51	09/13/24 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:24*	*1*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:24*	*1*
Tetrachloro-m-xylene	*78*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:24*	*1*
Tetrachloro-m-xylene	*76*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:16	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:16*	*1*
DCB Decachlorobiphenyl	*80*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:16*	*1*
Tetrachloro-m-xylene	*72*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:16*	*1*
Tetrachloro-m-xylene	*67*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Antimony	**1.1**	**J**	2.0	0.48	ug/L		09/13/24 22:35	09/16/24 11:32	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 11:32	1
Barium	**41.4**		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 11:32	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 11:32	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 11:32	1
Calcium	**42900**		500	31.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Cobalt	**0.81**	**J**	4.0	0.41	ug/L		09/13/24 22:35	09/16/24 11:32	1
Copper	**2.6**	**J**	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 11:32	1
Iron	**425**		120	33.7	ug/L		09/13/24 22:35	09/16/24 11:32	1
Lead	**0.55**	**J**	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 11:32	1
Magnesium	**14000**		200	21.8	ug/L		09/13/24 22:35	09/16/24 11:32	1
Manganese	**62.0**		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 11:32	1
Nickel	**2.6**	**J**	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 11:32	1
Potassium	**5480**		200	83.3	ug/L		09/13/24 22:35	09/16/24 11:32	1
Selenium	**0.68**	**J**	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 11:32	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 11:32	1
Sodium	**106000**		500	180	ug/L		09/13/24 22:35	09/16/24 11:32	1
Thallium	0.80	U	0.80	0.19	ug/L		09/13/24 22:35	09/16/24 11:32	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/13/24 22:35	09/16/24 11:32	1

Client Sample ID: RXTW-4

Lab Sample ID: 460-311172-1

Date Collected: 09/11/24 13:40

Matrix: Water

Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	13.7	J	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Antimony	1.0	J	2.0	0.48	ug/L		09/12/24 21:51	09/12/24 23:49	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/12/24 21:51	09/12/24 23:49	1
Barium	41.4		4.0	0.93	ug/L		09/12/24 21:51	09/12/24 23:49	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/12/24 21:51	09/12/24 23:49	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/12/24 21:51	09/12/24 23:49	1
Calcium	42700		500	31.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Chromium	4.0	U	4.0	1.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Cobalt	0.76	J	4.0	0.41	ug/L		09/12/24 21:51	09/12/24 23:49	1
Copper	2.1	J	4.0	2.0	ug/L		09/12/24 21:51	09/12/24 23:49	1
Iron	407		120	33.7	ug/L		09/12/24 21:51	09/12/24 23:49	1
Lead	0.46	J	1.2	0.42	ug/L		09/12/24 21:51	09/12/24 23:49	1
Magnesium	13800		200	21.8	ug/L		09/12/24 21:51	09/12/24 23:49	1
Manganese	61.5		8.0	0.84	ug/L		09/12/24 21:51	09/12/24 23:49	1
Nickel	2.4	J	4.0	1.4	ug/L		09/12/24 21:51	09/12/24 23:49	1
Potassium	5420		200	83.3	ug/L		09/12/24 21:51	09/12/24 23:49	1
Selenium	0.77	J	2.5	0.43	ug/L		09/12/24 21:51	09/12/24 23:49	1
Silver	2.0	U	2.0	1.3	ug/L		09/12/24 21:51	09/12/24 23:49	1
Sodium	104000		500	180	ug/L		09/12/24 21:51	09/12/24 23:49	1
Thallium	0.80	U	0.80	0.19	ug/L		09/12/24 21:51	09/12/24 23:49	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/12/24 21:51	09/12/24 23:49	1
Zinc	11.3	J	16.0	4.2	ug/L		09/12/24 21:51	09/12/24 23:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/12/24 11:39	09/12/24 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/13/24 13:10	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/12/24 01:28	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/15/24 16:12	09/15/24 19:16	1

Client Sample ID: FB_09112024

Lab Sample ID: 460-311172-2

Date Collected: 09/11/24 13:50

Matrix: Water

Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 10:28	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 10:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 10:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 10:28	1

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 10:28	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 10:28	1
Methylene Chloride	**0.36**	**J**	1.0	0.32	ug/L			09/14/24 10:28	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 10:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 10:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 10:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 10:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 10:28	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 10:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 10:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 10:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 10:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 10:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 10:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 10:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 10:28	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 10:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 10:28	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/14/24 10:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:28	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:28	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:28	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:28	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:28	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 10:28	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:28	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*76 - 120*		*09/14/24 10:28*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 132*		*09/14/24 10:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 128*		*09/14/24 10:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/14/24 10:28*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 22:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*10 - 150*	*09/12/24 09:23*	*09/12/24 22:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:14	09/13/24 23:23	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:23	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:14	09/13/24 23:23	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:14	09/13/24 23:23	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:14	09/13/24 23:23	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Client Sample ID: FB_09112024
Date Collected: 09/11/24 13:50
Date Received: 09/11/24 18:15

Lab Sample ID: 460-311172-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:14	09/13/24 23:23	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 23:23	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:14	09/13/24 23:23	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:14	09/13/24 23:23	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:14	09/13/24 23:23	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:14	09/13/24 23:23	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:14	09/13/24 23:23	1
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:14	09/13/24 23:23	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:14	09/13/24 23:23	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:14	09/13/24 23:23	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 23:23	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:14	09/13/24 23:23	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:14	09/13/24 23:23	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:14	09/13/24 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*37 - 150*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
2-Fluorobiphenyl	*75*		*46 - 139*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
2-Fluorophenol (Surr)	*55*		*16 - 80*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
Nitrobenzene-d5 (Surr)	*78*		*51 - 145*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
Phenol-d5 (Surr)	*38*		*10 - 56*	*09/13/24 11:14*	*09/13/24 23:23*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 159*	*09/13/24 11:14*	*09/13/24 23:23*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:36	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:36	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:36	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/12/24 09:51	09/13/24 08:36	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/12/24 09:51	09/13/24 08:36	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/12/24 09:51	09/13/24 08:36	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:36	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:36	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:36	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/12/24 09:51	09/13/24 08:36	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/12/24 09:51	09/13/24 08:36	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/12/24 09:51	09/13/24 08:36	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/12/24 09:51	09/13/24 08:36	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/12/24 09:51	09/13/24 08:36	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/12/24 09:51	09/13/24 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:36*	*1*

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*30 - 131*	*09/12/24 09:51*	*09/13/24 08:36*	*1*
Tetrachloro-m-xylene	*86*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:36*	*1*
Tetrachloro-m-xylene	*81*		*34 - 120*	*09/12/24 09:51*	*09/13/24 08:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/12/24 09:54	09/12/24 18:32	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/12/24 09:54	09/12/24 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:32*	*1*
DCB Decachlorobiphenyl	*102*		*18 - 145*	*09/12/24 09:54*	*09/12/24 18:32*	*1*
Tetrachloro-m-xylene	*103*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:32*	*1*
Tetrachloro-m-xylene	*101*		*21 - 124*	*09/12/24 09:54*	*09/12/24 18:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Antimony	2.0	U	2.0	0.48	ug/L		09/13/24 22:35	09/16/24 10:34	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:34	1
Barium	4.0	U	4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:34	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:34	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:34	1
Calcium	500	U	500	31.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/13/24 22:35	09/16/24 10:34	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:34	1
Iron	120	U	120	33.7	ug/L		09/13/24 22:35	09/16/24 10:34	1
Lead	1.2	U	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:34	1
Magnesium	200	U	200	21.8	ug/L		09/13/24 22:35	09/16/24 10:34	1
Manganese	8.0	U	8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:34	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:34	1
Potassium	200	U	200	83.3	ug/L		09/13/24 22:35	09/16/24 10:34	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:34	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:34	1
Sodium	500	U	500	180	ug/L		09/13/24 22:35	09/16/24 10:34	1
Thallium	0.80	U	0.80	0.19	ug/L		09/13/24 22:35	09/16/24 10:34	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/13/24 22:35	09/16/24 10:34	1
Zinc	16.0	U	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:34	1

Client Sample ID: FB_09112024

Lab Sample ID: 460-311172-2

Date Collected: 09/11/24 13:50

Matrix: Water

Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Antimony	2.0	U	2.0	0.48	ug/L		09/18/24 00:33	09/18/24 02:04	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/18/24 00:33	09/18/24 02:04	1
Barium	4.0	U	4.0	0.93	ug/L		09/18/24 00:33	09/18/24 02:04	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/18/24 00:33	09/18/24 02:04	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/18/24 00:33	09/18/24 02:04	1
Calcium	**52.5**	**J**	500	31.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Chromium	4.0	U	4.0	1.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/18/24 00:33	09/18/24 02:04	1
Copper	4.0	U	4.0	2.0	ug/L		09/18/24 00:33	09/18/24 02:04	1
Iron	120	U	120	33.7	ug/L		09/18/24 00:33	09/18/24 02:04	1
Lead	1.2	U	1.2	0.42	ug/L		09/18/24 00:33	09/18/24 02:04	1
Magnesium	**102**	**J**	200	21.8	ug/L		09/18/24 00:33	09/18/24 02:04	1
Manganese	8.0	U	8.0	0.84	ug/L		09/18/24 00:33	09/18/24 02:04	1
Nickel	4.0	U	4.0	1.4	ug/L		09/18/24 00:33	09/18/24 02:04	1
Potassium	200	U	200	83.3	ug/L		09/18/24 00:33	09/18/24 02:04	1
Selenium	2.5	U	2.5	0.43	ug/L		09/18/24 00:33	09/18/24 02:04	1
Silver	2.0	U	2.0	1.3	ug/L		09/18/24 00:33	09/18/24 02:04	1
Sodium	500	U	500	180	ug/L		09/18/24 00:33	09/18/24 13:46	1
Thallium	0.80	U	0.80	0.19	ug/L		09/18/24 00:33	09/18/24 02:04	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/18/24 00:33	09/18/24 02:04	1
Zinc	16.0	U	16.0	4.2	ug/L		09/18/24 00:33	09/18/24 02:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/12/24 11:39	09/12/24 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/17/24 14:19	09/17/24 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			09/15/24 21:35	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/12/24 01:28	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/15/24 16:12	09/15/24 19:17	1

Client Sample ID: TB_09112024

Lab Sample ID: 460-311172-3

Date Collected: 09/11/24 13:50

Matrix: Water

Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 10:47	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 10:47	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 10:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 10:47	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 10:47	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 10:47	1
Methylene Chloride	**0.48**	**J**	1.0	0.32	ug/L			09/14/24 10:47	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 10:47	1

Client Sample ID: TB_09112024
Lab Sample ID: 460-311172-3
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 10:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 10:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 10:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 10:47	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 10:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 10:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 10:47	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 10:47	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 10:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 10:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 10:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 10:47	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 10:47	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 10:47	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/14/24 10:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:47	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:47	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 10:47	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 10:47	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 10:47	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 10:47	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*76 - 120*		*09/14/24 10:47*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*09/14/24 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*		*09/14/24 10:47*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/14/24 10:47*	*1*

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(76-120)	(77-132)	(70-128)	(80-120)
460-310812-A-2 MS	Matrix Spike	99	99	87	100
460-310812-A-2 MSD	Matrix Spike Duplicate	99	98	88	100
460-311172-1	RXTW-4	103	104	97	100
460-311172-2	FB_09112024	101	103	97	98
460-311172-3	TB_09112024	101	102	95	99
LCS 460-995829/4	Lab Control Sample	102	101	93	101
MB 460-995829/8	Method Blank	101	100	93	101

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-159)
460-311172-1	RXTW-4	93	70	57	79	41	84
460-311172-2	FB_09112024	95	75	55	78	38	86
LCS 460-995676/2-A	Lab Control Sample	88	80	45	78	36	98
LCSD 460-995676/3-A	Lab Control Sample Dup	88	80	44	80	36	93
MB 460-995676/1-A	Method Blank	85	60	54	72	42	66

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(30-131)	(30-131)	(34-120)	(34-120)
460-311114-E-5-A MS	Matrix Spike	92	102	85	76
460-311114-E-5-B MSD	Matrix Spike Duplicate	94	103	87	78
460-311172-1	RXTW-4	91	86	76	78
460-311172-2	FB_09112024	87	89	81	86
LCS 460-995329/2-A	Lab Control Sample	96	102	99	91
LCSD 460-995329/3-A	Lab Control Sample Dup	91	101	93	87
MB 460-995329/1-A	Method Blank	91	105	86	95

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(18-145)	(18-145)	(21-124)	(21-124)
460-311118-F-7-A MS	Matrix Spike	115	120	89	86
460-311118-H-7-A MSD	Matrix Spike Duplicate	112	109	89	85
460-311172-1	RXTW-4	80	91	67	72
460-311172-2	FB_09112024	102	119	101	103
LCS 460-995331/2-A	Lab Control Sample	65	77	73	68
LCSD 460-995331/3-A	Lab Control Sample Dup	63	76	72	68
MB 460-995331/1-A	Method Blank	66	78	71	70

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 2828 W 28th Street

Job ID: 460-311172-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		DXE							
Lab Sample ID	Client Sample ID	(10-150)							
460-311172-1	RXTW-4	28							
460-311172-2	FB_09112024	37							
LCS 460-995440/2-A	Lab Control Sample	24							
LCSD 460-995440/3-A	Lab Control Sample Dup	24							
MB 460-995440/1-A	Method Blank	29							

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 460-995829/8
Matrix: Water
Analysis Batch: 995829

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/14/24 07:51	1
Benzene	1.0	U	1.0	0.20	ug/L			09/14/24 07:51	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/14/24 07:51	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/14/24 07:51	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/14/24 07:51	1
Acetone	5.0	U	5.0	4.4	ug/L			09/14/24 07:51	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/14/24 07:51	1
Toluene	1.0	U	1.0	0.38	ug/L			09/14/24 07:51	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/14/24 07:51	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/14/24 07:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/14/24 07:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/14/24 07:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/14/24 07:51	1
1,4-Dioxane	50	U	50	28	ug/L			09/14/24 07:51	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/14/24 07:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/14/24 07:51	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/14/24 07:51	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/14/24 07:51	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/14/24 07:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/14/24 07:51	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/14/24 07:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/14/24 07:51	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/14/24 07:51	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/14/24 07:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/14/24 07:51	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 07:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 07:51	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/14/24 07:51	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/14/24 07:51	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/14/24 07:51	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/14/24 07:51	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/14/24 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*76 - 120*		*09/14/24 07:51*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*09/14/24 07:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 128*		*09/14/24 07:51*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/14/24 07:51*	*1*

Lab Sample ID: LCS 460-995829/4
Matrix: Water
Analysis Batch: 995829

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.9		ug/L		119	72 - 128
Benzene	20.0	21.5		ug/L		107	71 - 126
Tetrachloroethene	20.0	23.2		ug/L		116	70 - 127
1,1-Dichloroethane	20.0	21.7		ug/L		109	73 - 130

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

Lab Sample ID: LCS 460-995829/4
Matrix: Water
Analysis Batch: 995829

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	20.0	19.3		ug/L		97	66 - 129
Acetone	100	91.7		ug/L		92	60 - 133
Methylene Chloride	20.0	20.5		ug/L		102	74 - 127
Toluene	20.0	20.0		ug/L		100	78 - 120
o-Xylene	20.0	22.8		ug/L		114	78 - 120
Chlorobenzene	20.0	22.4		ug/L		112	80 - 120
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
Methyl tert-butyl ether	20.0	19.8		ug/L		99	72 - 131
trans-1,2-Dichloroethene	20.0	22.4		ug/L		112	70 - 126
1,4-Dioxane	400	446		ug/L		112	42 - 150
1,1-Dichloroethene	20.0	20.5		ug/L		102	68 - 133
1,2-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 120
Trichloroethene	20.0	22.1		ug/L		111	73 - 121
2-Butanone (MEK)	100	101		ug/L		101	65 - 142
Ethylbenzene	20.0	22.6		ug/L		113	78 - 120
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	78 - 121
Chloroform	20.0	21.7		ug/L		109	78 - 125
m-Xylene & p-Xylene	20.0	23.6		ug/L		118	78 - 120
Vinyl chloride	20.0	20.3		ug/L		101	55 - 144
Carbon tetrachloride	20.0	30.3	*	ug/L		152	65 - 131
1,4-Dichlorobenzene	20.0	22.1		ug/L		111	80 - 120
n-Butylbenzene	20.0	24.0		ug/L		120	69 - 135
1,2,4-Trimethylbenzene	20.0	23.0		ug/L		115	75 - 125
sec-Butylbenzene	20.0	23.9		ug/L		119	77 - 129
N-Propylbenzene	20.0	23.2		ug/L		116	68 - 129
Xylenes, Total	40.0	46.4		ug/L		116	80 - 120
1,3,5-Trimethylbenzene	20.0	22.7		ug/L		114	75 - 125
tert-Butylbenzene	20.0	22.7		ug/L		114	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 128*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 460-310812-A-2 MS
Matrix: Water
Analysis Batch: 995829

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	20.0	23.1		ug/L		116	72 - 128
Benzene	1.0	U	20.0	20.7		ug/L		104	71 - 126
Tetrachloroethene	0.38	J	20.0	21.7		ug/L		107	70 - 127
1,1-Dichloroethane	1.0	U	20.0	21.1		ug/L		105	73 - 130
1,2-Dichloroethane	1.0	U	20.0	18.1		ug/L		90	66 - 129
Acetone	5.0	U	100	86.4		ug/L		86	60 - 133
Methylene Chloride	1.0	U	20.0	20.7		ug/L		104	74 - 127
Toluene	1.0	U	20.0	19.3		ug/L		96	78 - 120

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

Lab Sample ID: 460-310812-A-2 MS
Matrix: Water
Analysis Batch: 995829

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	1.0	U	20.0	22.0		ug/L		110	78 - 120
Chlorobenzene	1.0	U	20.0	21.6		ug/L		108	80 - 120
1,3-Dichlorobenzene	1.0	U	20.0	20.6		ug/L		103	80 - 120
Methyl tert-butyl ether	1.0	U	20.0	19.3		ug/L		96	72 - 131
trans-1,2-Dichloroethene	1.0	U	20.0	21.2		ug/L		106	70 - 126
1,4-Dioxane	50	U	400	371		ug/L		93	42 - 150
1,1-Dichloroethene	1.0	U	20.0	20.9		ug/L		105	68 - 133
1,2-Dichlorobenzene	1.0	U	20.0	21.0		ug/L		105	80 - 120
Trichloroethene	1.0	U	20.0	21.3		ug/L		106	73 - 121
2-Butanone (MEK)	5.0	U	100	98.2		ug/L		98	65 - 142
Ethylbenzene	1.0	U	20.0	21.8		ug/L		109	78 - 120
cis-1,2-Dichloroethene	1.0	U	20.0	20.2		ug/L		101	78 - 121
Chloroform	5.1		20.0	25.1		ug/L		100	78 - 125
m-Xylene & p-Xylene	1.0	U	20.0	22.3		ug/L		112	78 - 120
Vinyl chloride	1.0	U	20.0	19.3		ug/L		96	55 - 144
Carbon tetrachloride	1.0	U *	20.0	28.1	*	ug/L		140	65 - 131
1,4-Dichlorobenzene	1.0	U	20.0	20.9		ug/L		105	80 - 120
n-Butylbenzene	1.0	U	20.0	22.9		ug/L		114	69 - 135
1,2,4-Trimethylbenzene	1.0	U	20.0	22.1		ug/L		110	75 - 125
sec-Butylbenzene	1.0	U	20.0	22.8		ug/L		114	77 - 129
N-Propylbenzene	1.0	U	20.0	22.1		ug/L		111	68 - 129
Xylenes, Total	2.0	U	40.0	44.4		ug/L		111	80 - 120
1,3,5-Trimethylbenzene	1.0	U	20.0	21.9		ug/L		110	75 - 125
tert-Butylbenzene	1.0	U	20.0	21.9		ug/L		110	78 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 460-310812-A-2 MSD
Matrix: Water
Analysis Batch: 995829

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	25.1		ug/L		125	72 - 128	8	30
Benzene	1.0	U	20.0	22.8		ug/L		114	71 - 126	10	30
Tetrachloroethene	0.38	J	20.0	24.7		ug/L		121	70 - 127	13	30
1,1-Dichloroethane	1.0	U	20.0	23.0		ug/L		115	73 - 130	9	30
1,2-Dichloroethane	1.0	U	20.0	19.6		ug/L		98	66 - 129	8	30
Acetone	5.0	U	100	98.0		ug/L		98	60 - 133	13	30
Methylene Chloride	1.0	U	20.0	22.1		ug/L		110	74 - 127	6	30
Toluene	1.0	U	20.0	21.3		ug/L		106	78 - 120	10	30
o-Xylene	1.0	U	20.0	24.0		ug/L		120	78 - 120	9	30
Chlorobenzene	1.0	U	20.0	23.8		ug/L		119	80 - 120	10	30
1,3-Dichlorobenzene	1.0	U	20.0	23.3		ug/L		116	80 - 120	12	30
Methyl tert-butyl ether	1.0	U	20.0	21.4		ug/L		107	72 - 131	10	30

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

Lab Sample ID: 460-310812-A-2 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 995829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	1.0	U	20.0	24.1		ug/L		120	70 - 126	13	30
1,4-Dioxane	50	U	400	468		ug/L		117	42 - 150	23	30
1,1-Dichloroethene	1.0	U	20.0	22.4		ug/L		112	68 - 133	7	30
1,2-Dichlorobenzene	1.0	U	20.0	23.9		ug/L		119	80 - 120	13	30
Trichloroethene	1.0	U	20.0	23.5		ug/L		117	73 - 121	10	30
2-Butanone (MEK)	5.0	U	100	116		ug/L		116	65 - 142	16	30
Ethylbenzene	1.0	U	20.0	23.4		ug/L		117	78 - 120	7	30
cis-1,2-Dichloroethene	1.0	U	20.0	22.1		ug/L		111	78 - 121	9	30
Chloroform	5.1		20.0	27.0		ug/L		110	78 - 125	7	30
m-Xylene & p-Xylene	1.0	U	20.0	24.8	*	ug/L		124	78 - 120	11	30
Vinyl chloride	1.0	U	20.0	20.1		ug/L		100	55 - 144	4	30
Carbon tetrachloride	1.0	U *	20.0	30.3	*	ug/L		152	65 - 131	8	30
1,4-Dichlorobenzene	1.0	U	20.0	23.6		ug/L		118	80 - 120	12	30
n-Butylbenzene	1.0	U	20.0	25.3		ug/L		126	69 - 135	10	30
1,2,4-Trimethylbenzene	1.0	U	20.0	25.2	*	ug/L		126	75 - 125	13	30
sec-Butylbenzene	1.0	U	20.0	25.7		ug/L		128	77 - 129	12	30
N-Propylbenzene	1.0	U	20.0	24.6		ug/L		123	68 - 129	11	30
Xylenes, Total	2.0	U	40.0	48.8	*	ug/L		122	80 - 120	10	30
1,3,5-Trimethylbenzene	1.0	U	20.0	24.5		ug/L		122	75 - 125	11	30
tert-Butylbenzene	1.0	U	20.0	24.7	*	ug/L		124	78 - 120	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 132*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 128*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 460-995676/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 995763
Prep Batch: 995676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:14	09/13/24 20:53	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 20:53	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:14	09/13/24 20:53	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:14	09/13/24 20:53	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:14	09/13/24 20:53	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:14	09/13/24 20:53	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:14	09/13/24 20:53	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:14	09/13/24 20:53	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:14	09/13/24 20:53	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:14	09/13/24 20:53	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:14	09/13/24 20:53	1
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:14	09/13/24 20:53	1

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

Lab Sample ID: MB 460-995676/1-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:14	09/13/24 20:53	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:14	09/13/24 20:53	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:14	09/13/24 20:53	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:14	09/13/24 20:53	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:14	09/13/24 20:53	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:14	09/13/24 20:53	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:14	09/13/24 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*37 - 150*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
2-Fluorobiphenyl	*60*		*46 - 139*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
2-Fluorophenol (Surr)	*54*		*16 - 80*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
Nitrobenzene-d5 (Surr)	*72*		*51 - 145*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
Phenol-d5 (Surr)	*42*		*10 - 56*	*09/13/24 11:14*	*09/13/24 20:53*	*1*
Terphenyl-d14 (Surr)	*66*		*13 - 159*	*09/13/24 11:14*	*09/13/24 20:53*	*1*

Lab Sample ID: LCS 460-995676/2-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	80.0	83.1		ug/L		104	67 - 125
Dibenzofuran	80.0	78.2		ug/L		98	64 - 125
Acenaphthylene	80.0	83.8		ug/L		105	58 - 122
Benzo[g,h,i]perylene	80.0	94.2		ug/L		118	52 - 143
Hexachlorobenzene	80.0	85.8		ug/L		107	62 - 135
Phenanthrene	80.0	80.4		ug/L		101	68 - 126
Benzo[k]fluoranthene	80.0	89.3		ug/L		112	71 - 140
Benzo[a]pyrene	80.0	90.8		ug/L		113	75 - 148
Anthracene	80.0	81.7		ug/L		102	67 - 127
Pyrene	80.0	90.9		ug/L		114	60 - 137
Dibenz(a,h)anthracene	80.0	91.3		ug/L		114	53 - 150
Naphthalene	80.0	73.8		ug/L		92	39 - 126
Pentachlorophenol	160	162		ug/L		101	60 - 140
Fluoranthene	80.0	83.6		ug/L		105	69 - 137
2-Methylphenol	80.0	59.7		ug/L		75	35 - 120
Benzo[a]anthracene	80.0	83.2		ug/L		104	71 - 131
Indeno[1,2,3-cd]pyrene	80.0	93.3		ug/L		117	59 - 150
Chrysene	80.0	79.5		ug/L		99	70 - 132
Acenaphthene	80.0	78.1		ug/L		98	62 - 127
Benzo[b]fluoranthene	80.0	91.1		ug/L		114	70 - 140
Phenol	80.0	34.1		ug/L		43	10 - 80
3 & 4 Methylphenol	80.0	58.3		ug/L		73	27 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*37 - 150*
2-Fluorobiphenyl	*80*		*46 - 139*
2-Fluorophenol (Surr)	*45*		*16 - 80*

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

Lab Sample ID: LCS 460-995676/2-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995676

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	98		13 - 159

Lab Sample ID: LCSD 460-995676/3-A
Matrix: Water
Analysis Batch: 995763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene			80.0	81.3		ug/L		102	67 - 125	2	30
Dibenzofuran			80.0	77.0		ug/L		96	64 - 125	2	30
Acenaphthylene			80.0	82.3		ug/L		103	58 - 122	2	30
Benzo[g,h,i]perylene			80.0	84.5		ug/L		106	52 - 143	11	30
Hexachlorobenzene			80.0	84.3		ug/L		105	62 - 135	2	30
Phenanthrene			80.0	79.4		ug/L		99	68 - 126	1	30
Benzo[k]fluoranthene			80.0	90.7		ug/L		113	71 - 140	2	30
Benzo[a]pyrene			80.0	90.5		ug/L		113	75 - 148	0	30
Anthracene			80.0	83.7		ug/L		105	67 - 127	2	30
Pyrene			80.0	86.5		ug/L		108	60 - 137	5	30
Dibenz(a,h)anthracene			80.0	82.8		ug/L		103	53 - 150	10	30
Naphthalene			80.0	73.6		ug/L		92	39 - 126	0	30
Pentachlorophenol			160	166		ug/L		104	60 - 140	3	30
Fluoranthene			80.0	82.3		ug/L		103	69 - 137	2	30
2-Methylphenol			80.0	57.6		ug/L		72	35 - 120	3	30
Benzo[a]anthracene			80.0	83.0		ug/L		104	71 - 131	0	30
Indeno[1,2,3-cd]pyrene			80.0	82.6		ug/L		103	59 - 150	12	30
Chrysene			80.0	78.8		ug/L		99	70 - 132	1	30
Acenaphthene			80.0	77.0		ug/L		96	62 - 127	1	30
Benzo[b]fluoranthene			80.0	89.6		ug/L		112	70 - 140	2	30
Phenol			80.0	35.0		ug/L		44	10 - 80	3	30
3 & 4 Methylphenol			80.0	54.0		ug/L		67	27 - 120	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		37 - 150
2-Fluorobiphenyl	80		46 - 139
2-Fluorophenol (Surr)	44		16 - 80
Nitrobenzene-d5 (Surr)	80		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	93		13 - 159

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-995440/1-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		09/12/24 09:23	09/12/24 21:24	1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		10 - 150	09/12/24 09:23	09/12/24 21:24	1

Lab Sample ID: LCS 460-995440/2-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.60	1.97		ug/L		123	42 - 142		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	24		10 - 150

Lab Sample ID: LCSD 460-995440/3-A
Matrix: Water
Analysis Batch: 995542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995440

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.60	2.01		ug/L		126	42 - 142	2	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	24		10 - 150

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995329/1-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 04:16	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/11/24 20:10	09/12/24 04:16	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 04:16	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/11/24 20:10	09/12/24 04:16	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 04:16	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/11/24 20:10	09/12/24 04:16	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/11/24 20:10	09/12/24 04:16	1

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

Lab Sample ID: MB 460-995329/1-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/11/24 20:10	09/12/24 04:16	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 04:16	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/11/24 20:10	09/12/24 04:16	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/11/24 20:10	09/12/24 04:16	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 04:16	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/11/24 20:10	09/12/24 04:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*30 - 131*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
DCB Decachlorobiphenyl	*91*		*30 - 131*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
Tetrachloro-m-xylene	*95*		*34 - 120*	*09/11/24 20:10*	*09/12/24 04:16*	*1*
Tetrachloro-m-xylene	*86*		*34 - 120*	*09/11/24 20:10*	*09/12/24 04:16*	*1*

Lab Sample ID: LCS 460-995329/2-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.759		ug/L		95	69 - 138
4,4'-DDD	0.800	0.760		ug/L		95	69 - 138
4,4'-DDE	0.800	0.816		ug/L		102	68 - 130
4,4'-DDE	0.800	0.785		ug/L		98	68 - 130
4,4'-DDT	0.800	0.694		ug/L		87	57 - 1505
4,4'-DDT	0.800	0.739		ug/L		92	57 - 1505
Aldrin	0.800	0.820		ug/L		103	67 - 129
Aldrin	0.800	0.772		ug/L		97	67 - 129
alpha-BHC	0.800	0.781		ug/L		98	70 - 125
alpha-BHC	0.800	0.742		ug/L		93	70 - 125
beta-BHC	0.800	0.777		ug/L		97	70 - 129
beta-BHC	0.800	0.733		ug/L		92	70 - 129
cis-Chlordane	0.800	0.817		ug/L		102	72 - 126
cis-Chlordane	0.800	0.766		ug/L		96	72 - 126
delta-BHC	0.800	0.600		ug/L		75	44 - 120
delta-BHC	0.800	0.583		ug/L		73	44 - 120

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

Lab Sample ID: LCS 460-995329/2-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dieldrin			0.800	0.815		ug/L		102	72 - 128		
Dieldrin			0.800	0.763		ug/L		95	72 - 128		
Endosulfan I			0.800	0.820		ug/L		103	73 - 127		
Endosulfan I			0.800	0.804		ug/L		100	73 - 127		
Endosulfan II			0.800	0.885		ug/L		111	73 - 134		
Endosulfan II			0.800	0.802		ug/L		100	73 - 134		
Endosulfan sulfate			0.800	0.744		ug/L		93	61 - 128		
Endosulfan sulfate			0.800	0.688		ug/L		86	61 - 128		
Endrin			0.800	0.763		ug/L		95	64 - 138		
Endrin			0.800	0.867		ug/L		108	64 - 138		
Endrin aldehyde			0.800	0.867		ug/L		108	74 - 133		
Endrin aldehyde			0.800	0.770		ug/L		96	74 - 133		
Endrin ketone			0.800	0.857		ug/L		107	56 - 150		
Endrin ketone			0.800	0.781		ug/L		98	56 - 150		
gamma-BHC (Lindane)			0.800	0.798		ug/L		100	73 - 132		
gamma-BHC (Lindane)			0.800	0.762		ug/L		95	73 - 132		
Heptachlor			0.800	0.822		ug/L		103	70 - 134		
Heptachlor			0.800	0.781		ug/L		98	70 - 134		
Heptachlor epoxide			0.800	0.817		ug/L		102	75 - 126		
Heptachlor epoxide			0.800	0.771		ug/L		96	75 - 126		
Methoxychlor			0.800	0.613		ug/L		77	49 - 150		
Methoxychlor			0.800	0.721		ug/L		90	49 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*30 - 131*
DCB Decachlorobiphenyl	*96*		*30 - 131*
Tetrachloro-m-xylene	*91*		*34 - 120*
Tetrachloro-m-xylene	*99*		*34 - 120*

Lab Sample ID: LCSD 460-995329/3-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.745		ug/L		93	69 - 138	2	30
4,4'-DDD			0.800	0.746		ug/L		93	69 - 138	2	30
4,4'-DDE			0.800	0.809		ug/L		101	68 - 130	1	30
4,4'-DDE			0.800	0.770		ug/L		96	68 - 130	2	30
4,4'-DDT			0.800	0.685		ug/L		86	57 - 1505	1	30
4,4'-DDT			0.800	0.725		ug/L		91	57 - 1505	2	30
Aldrin			0.800	0.822		ug/L		103	67 - 129	0	30
Aldrin			0.800	0.757		ug/L		95	67 - 129	2	30
alpha-BHC			0.800	0.777		ug/L		97	70 - 125	0	30
alpha-BHC			0.800	0.725		ug/L		91	70 - 125	2	30
beta-BHC			0.800	0.770		ug/L		96	70 - 129	1	30
beta-BHC			0.800	0.720		ug/L		90	70 - 129	2	30
cis-Chlordane			0.800	0.813		ug/L		102	72 - 126	0	30
cis-Chlordane			0.800	0.752		ug/L		94	72 - 126	2	30

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

Lab Sample ID: LCSD 460-995329/3-A
Matrix: Water
Analysis Batch: 995374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
delta-BHC			0.800	0.598		ug/L		75	44 - 120	0	30
delta-BHC			0.800	0.572		ug/L		72	44 - 120	2	30
Dieldrin			0.800	0.811		ug/L		101	72 - 128	1	30
Dieldrin			0.800	0.750		ug/L		94	72 - 128	2	30
Endosulfan I			0.800	0.817		ug/L		102	73 - 127	0	30
Endosulfan I			0.800	0.791		ug/L		99	73 - 127	2	30
Endosulfan II			0.800	0.878		ug/L		110	73 - 134	1	30
Endosulfan II			0.800	0.789		ug/L		99	73 - 134	2	30
Endosulfan sulfate			0.800	0.736		ug/L		92	61 - 128	1	30
Endosulfan sulfate			0.800	0.681		ug/L		85	61 - 128	1	30
Endrin			0.800	0.756		ug/L		94	64 - 138	1	30
Endrin			0.800	0.849		ug/L		106	64 - 138	2	30
Endrin aldehyde			0.800	0.860		ug/L		107	74 - 133	1	30
Endrin aldehyde			0.800	0.757		ug/L		95	74 - 133	2	30
Endrin ketone			0.800	0.869		ug/L		109	56 - 150	1	30
Endrin ketone			0.800	0.768		ug/L		96	56 - 150	2	30
gamma-BHC (Lindane)			0.800	0.795		ug/L		99	73 - 132	0	30
gamma-BHC (Lindane)			0.800	0.748		ug/L		94	73 - 132	2	30
Heptachlor			0.800	0.820		ug/L		103	70 - 134	0	30
Heptachlor			0.800	0.767		ug/L		96	70 - 134	2	30
Heptachlor epoxide			0.800	0.814		ug/L		102	75 - 126	0	30
Heptachlor epoxide			0.800	0.758		ug/L		95	75 - 126	2	30
Methoxychlor			0.800	0.613		ug/L		77	49 - 150	0	30
Methoxychlor			0.800	0.725		ug/L		91	49 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*30 - 131*
DCB Decachlorobiphenyl	*91*		*30 - 131*
Tetrachloro-m-xylene	*87*		*34 - 120*
Tetrachloro-m-xylene	*93*		*34 - 120*

Lab Sample ID: 460-311114-E-5-A MS
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.020	U	0.800	0.755		ug/L		94	69 - 138
4,4'-DDD	0.020	U	0.800	0.759		ug/L		95	69 - 138
4,4'-DDE	0.020	U	0.800	0.789		ug/L		99	68 - 130
4,4'-DDE	0.020	U	0.800	0.767		ug/L		96	68 - 130
4,4'-DDT	0.020	U	0.800	0.766		ug/L		96	57 - 150
4,4'-DDT	0.020	U	0.800	0.769		ug/L		96	57 - 150
Aldrin	0.020	U	0.800	0.759		ug/L		95	67 - 129
Aldrin	0.020	U	0.800	0.711		ug/L		89	67 - 129
alpha-BHC	0.020	U	0.800	0.715		ug/L		89	70 - 125
alpha-BHC	0.020	U	0.800	0.732		ug/L		92	70 - 125
beta-BHC	0.020	U	0.800	0.682		ug/L		85	70 - 129
beta-BHC	0.020	U	0.800	0.709		ug/L		89	70 - 129

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

Lab Sample ID: 460-311114-E-5-A MS
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-Chlordane	0.020	U	0.800	0.780		ug/L		98	72 - 126
cis-Chlordane	0.020	U	0.800	0.747		ug/L		93	72 - 126
delta-BHC	0.020	U	0.800	0.587		ug/L		73	44 - 120
delta-BHC	0.020	U	0.800	0.580		ug/L		73	44 - 120
Dieldrin	0.020	U	0.800	0.795		ug/L		99	72 - 128
Dieldrin	0.020	U	0.800	0.766		ug/L		96	72 - 128
Endosulfan I	0.020	U	0.800	0.787		ug/L		98	73 - 127
Endosulfan I	0.020	U	0.800	0.777		ug/L		97	73 - 127
Endosulfan II	0.020	U	0.800	0.819		ug/L		102	73 - 134
Endosulfan II	0.020	U	0.800	0.802		ug/L		100	73 - 134
Endosulfan sulfate	0.020	U	0.800	0.736		ug/L		92	61 - 128
Endosulfan sulfate	0.020	U	0.800	0.694		ug/L		87	61 - 128
Endrin	0.020	U	0.800	0.791		ug/L		99	64 - 138
Endrin	0.020	U	0.800	0.893		ug/L		112	64 - 138
Endrin aldehyde	0.020	U	0.800	0.784		ug/L		98	74 - 133
Endrin aldehyde	0.020	U	0.800	0.712		ug/L		89	74 - 133
Endrin ketone	0.020	U	0.800	0.846		ug/L		106	56 - 150
Endrin ketone	0.020	U	0.800	0.783		ug/L		98	56 - 150
gamma-BHC (Lindane)	0.020	U	0.800	0.757		ug/L		95	73 - 132
gamma-BHC (Lindane)	0.020	U	0.800	0.732		ug/L		91	73 - 132
Heptachlor	0.020	U	0.800	0.730		ug/L		91	70 - 134
Heptachlor	0.020	U	0.800	0.755		ug/L		94	70 - 134
Heptachlor epoxide	0.020	U	0.800	0.802		ug/L		100	75 - 126
Heptachlor epoxide	0.020	U	0.800	0.748		ug/L		94	75 - 126
Methoxychlor	0.020	U	0.800	0.741		ug/L		93	49 - 150
Methoxychlor	0.020	U	0.800	0.764		ug/L		95	49 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*30 - 131*
DCB Decachlorobiphenyl	*92*		*30 - 131*
Tetrachloro-m-xylene	*76*		*34 - 120*
Tetrachloro-m-xylene	*85*		*34 - 120*

Lab Sample ID: 460-311114-E-5-B MSD
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.020	U	0.800	0.744		ug/L		93	69 - 138	2	30
4,4'-DDD	0.020	U	0.800	0.757		ug/L		95	69 - 138	0	30
4,4'-DDE	0.020	U	0.800	0.779		ug/L		97	68 - 130	1	30
4,4'-DDE	0.020	U	0.800	0.763		ug/L		95	68 - 130	1	30
4,4'-DDT	0.020	U	0.800	0.761		ug/L		95	57 - 150	1	30
4,4'-DDT	0.020	U	0.800	0.771		ug/L		96	57 - 150	0	30
Aldrin	0.020	U	0.800	0.752		ug/L		94	67 - 129	1	30
Aldrin	0.020	U	0.800	0.712		ug/L		89	67 - 129	0	30
alpha-BHC	0.020	U	0.800	0.712		ug/L		89	70 - 125	1	30
alpha-BHC	0.020	U	0.800	0.734		ug/L		92	70 - 125	0	30

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

Lab Sample ID: 460-311114-E-5-B MSD
Matrix: Water
Analysis Batch: 995588

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC	0.020	U	0.800	0.681		ug/L		85	70 - 129	0	30
beta-BHC	0.020	U	0.800	0.710		ug/L		89	70 - 129	0	30
cis-Chlordane	0.020	U	0.800	0.772		ug/L		96	72 - 126	1	30
cis-Chlordane	0.020	U	0.800	0.746		ug/L		93	72 - 126	0	30
delta-BHC	0.020	U	0.800	0.582		ug/L		73	44 - 120	1	30
delta-BHC	0.020	U	0.800	0.579		ug/L		72	44 - 120	0	30
Dieldrin	0.020	U	0.800	0.780		ug/L		98	72 - 128	2	30
Dieldrin	0.020	U	0.800	0.761		ug/L		95	72 - 128	1	30
Endosulfan I	0.020	U	0.800	0.776		ug/L		97	73 - 127	1	30
Endosulfan I	0.020	U	0.800	0.779		ug/L		97	73 - 127	0	30
Endosulfan II	0.020	U	0.800	0.810		ug/L		101	73 - 134	1	30
Endosulfan II	0.020	U	0.800	0.798		ug/L		100	73 - 134	0	30
Endosulfan sulfate	0.020	U	0.800	0.731		ug/L		91	61 - 128	1	30
Endosulfan sulfate	0.020	U	0.800	0.696		ug/L		87	61 - 128	0	30
Endrin	0.020	U	0.800	0.772		ug/L		97	64 - 138	2	30
Endrin	0.020	U	0.800	0.889		ug/L		111	64 - 138	1	30
Endrin aldehyde	0.020	U	0.800	0.780		ug/L		98	74 - 133	0	30
Endrin aldehyde	0.020	U	0.800	0.719		ug/L		90	74 - 133	1	30
Endrin ketone	0.020	U	0.800	0.837		ug/L		105	56 - 150	1	30
Endrin ketone	0.020	U	0.800	0.788		ug/L		99	56 - 150	1	30
gamma-BHC (Lindane)	0.020	U	0.800	0.753		ug/L		94	73 - 132	1	30
gamma-BHC (Lindane)	0.020	U	0.800	0.730		ug/L		91	73 - 132	0	30
Heptachlor	0.020	U	0.800	0.729		ug/L		91	70 - 134	0	30
Heptachlor	0.020	U	0.800	0.755		ug/L		94	70 - 134	0	30
Heptachlor epoxide	0.020	U	0.800	0.796		ug/L		99	75 - 126	1	30
Heptachlor epoxide	0.020	U	0.800	0.747		ug/L		93	75 - 126	0	30
Methoxychlor	0.020	U	0.800	0.739		ug/L		92	49 - 150	0	30
Methoxychlor	0.020	U	0.800	0.783		ug/L		98	49 - 150	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*30 - 131*
DCB Decachlorobiphenyl	*94*		*30 - 131*
Tetrachloro-m-xylene	*78*		*34 - 120*
Tetrachloro-m-xylene	*87*		*34 - 120*

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

Lab Sample ID: MB 460-995331/1-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1

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

Lab Sample ID: MB 460-995331/1-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/11/24 20:11	09/12/24 06:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/11/24 20:11	09/12/24 06:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*18 - 145*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
DCB Decachlorobiphenyl	*66*		*18 - 145*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
Tetrachloro-m-xylene	*70*		*21 - 124*	*09/11/24 20:11*	*09/12/24 06:51*	*1*
Tetrachloro-m-xylene	*71*		*21 - 124*	*09/11/24 20:11*	*09/12/24 06:51*	*1*

Lab Sample ID: LCS 460-995331/2-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995331

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			4.00	2.33		ug/L		58	42 - 120		
Aroclor 1016			4.00	2.53		ug/L		63	42 - 120		
Aroclor 1260			4.00	2.45		ug/L		61	42 - 126		
Aroclor 1260			4.00	2.66		ug/L		66	42 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*18 - 145*
DCB Decachlorobiphenyl	*65*		*18 - 145*
Tetrachloro-m-xylene	*68*		*21 - 124*
Tetrachloro-m-xylene	*73*		*21 - 124*

Lab Sample ID: LCSD 460-995331/3-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995331

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	2.26		ug/L		57	42 - 120	NaN	30
Aroclor 1016			4.00	2.36		ug/L		59	42 - 120	7	30
Aroclor 1260			4.00	2.33		ug/L		58	42 - 126	NaN	30
Aroclor 1260			4.00	2.36		ug/L		59	42 - 126	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*18 - 145*

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

Lab Sample ID: LCSD 460-995331/3-A
Matrix: Water
Analysis Batch: 995378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 995331

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*18 - 145*
Tetrachloro-m-xylene	*68*		*21 - 124*
Tetrachloro-m-xylene	*72*		*21 - 124*

Lab Sample ID: 460-311118-F-7-A MS
Matrix: Water
Analysis Batch: 995497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	3.75		ug/L		94	42 - 120
Aroclor 1016	0.40	U	4.00	4.04		ug/L		101	42 - 120
Aroclor 1260	0.40	U	4.00	3.82		ug/L		95	42 - 126
Aroclor 1260	0.40	U	4.00	4.41		ug/L		110	42 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*120*		*18 - 145*
DCB Decachlorobiphenyl	*115*		*18 - 145*
Tetrachloro-m-xylene	*86*		*21 - 124*
Tetrachloro-m-xylene	*89*		*21 - 124*

Lab Sample ID: 460-311118-H-7-A MSD
Matrix: Water
Analysis Batch: 995497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	3.35		ug/L		84	42 - 120	11	30
Aroclor 1016	0.40	U	4.00	4.21		ug/L		105	42 - 120	4	30
Aroclor 1260	0.40	U	4.00	3.43		ug/L		86	42 - 126	11	30
Aroclor 1260	0.40	U	4.00	4.33		ug/L		108	42 - 126	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*18 - 145*
DCB Decachlorobiphenyl	*112*		*18 - 145*
Tetrachloro-m-xylene	*85*		*21 - 124*
Tetrachloro-m-xylene	*89*		*21 - 124*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-995570/1-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Antimony	2.0	U	2.0	0.48	ug/L		09/12/24 21:51	09/12/24 22:41	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/12/24 21:51	09/12/24 22:41	1
Barium	4.0	U	4.0	0.93	ug/L		09/12/24 21:51	09/12/24 22:41	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/12/24 21:51	09/12/24 22:41	1

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

Lab Sample ID: MB 460-995570/1-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.38	ug/L		09/12/24 21:51	09/12/24 22:41	1
Calcium	500	U	500	31.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Chromium	4.0	U	4.0	1.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/12/24 21:51	09/12/24 22:41	1
Copper	4.0	U	4.0	2.0	ug/L		09/12/24 21:51	09/12/24 22:41	1
Iron	120	U	120	33.7	ug/L		09/12/24 21:51	09/12/24 22:41	1
Lead	1.2	U	1.2	0.42	ug/L		09/12/24 21:51	09/12/24 22:41	1
Magnesium	200	U	200	21.8	ug/L		09/12/24 21:51	09/12/24 22:41	1
Manganese	8.0	U	8.0	0.84	ug/L		09/12/24 21:51	09/12/24 22:41	1
Nickel	4.0	U	4.0	1.4	ug/L		09/12/24 21:51	09/12/24 22:41	1
Potassium	200	U	200	83.3	ug/L		09/12/24 21:51	09/12/24 22:41	1
Selenium	2.5	U	2.5	0.43	ug/L		09/12/24 21:51	09/12/24 22:41	1
Silver	2.0	U	2.0	1.3	ug/L		09/12/24 21:51	09/12/24 22:41	1
Sodium	500	U	500	180	ug/L		09/12/24 21:51	09/12/24 22:41	1
Thallium	0.80	U	0.80	0.19	ug/L		09/12/24 21:51	09/12/24 22:41	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/12/24 21:51	09/12/24 22:41	1
Zinc	16.0	U	16.0	4.2	ug/L		09/12/24 21:51	09/12/24 22:41	1

Lab Sample ID: LCS 460-995570/2-A
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2479		ug/L		99	80 - 120
Antimony	25.0	23.89		ug/L		96	80 - 120
Arsenic	50.0	51.16		ug/L		102	80 - 120
Barium	50.0	49.13		ug/L		98	80 - 120
Beryllium	25.0	24.08		ug/L		96	80 - 120
Cadmium	25.0	25.10		ug/L		100	80 - 120
Calcium	2500	2517		ug/L		101	80 - 120
Chromium	50.0	49.67		ug/L		99	80 - 120
Cobalt	25.0	25.31		ug/L		101	80 - 120
Copper	50.0	51.84		ug/L		104	80 - 120
Iron	2500	2576		ug/L		103	80 - 120
Lead	25.0	24.67		ug/L		99	80 - 120
Magnesium	2500	2493		ug/L		100	80 - 120
Manganese	250	244.4		ug/L		98	80 - 120
Nickel	50.0	50.44		ug/L		101	80 - 120
Potassium	2500	2475		ug/L		99	80 - 120
Selenium	50.0	50.37		ug/L		101	80 - 120
Silver	25.0	23.71		ug/L		95	80 - 120
Sodium	2500	2588		ug/L		104	80 - 120
Thallium	20.0	19.85		ug/L		99	80 - 120
Vanadium	50.0	49.61		ug/L		99	80 - 120
Zinc	250	251.3		ug/L		101	80 - 120

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

Lab Sample ID: MB 460-995809/1-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Antimony	2.0	U	2.0	0.48	ug/L		09/13/24 22:35	09/16/24 10:08	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:08	1
Barium	4.0	U	4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:08	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:08	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:08	1
Calcium	500	U	500	31.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/13/24 22:35	09/16/24 10:08	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:08	1
Iron	120	U	120	33.7	ug/L		09/13/24 22:35	09/16/24 10:08	1
Lead	1.2	U	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:08	1
Magnesium	200	U	200	21.8	ug/L		09/13/24 22:35	09/16/24 10:08	1
Manganese	8.0	U	8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:08	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:08	1
Potassium	200	U	200	83.3	ug/L		09/13/24 22:35	09/16/24 10:08	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:08	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:08	1
Sodium	500	U	500	180	ug/L		09/13/24 22:35	09/16/24 10:08	1
Thallium	0.80	U	0.80	0.19	ug/L		09/13/24 22:35	09/16/24 10:08	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/13/24 22:35	09/16/24 10:08	1
Zinc	16.0	U	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:08	1

Lab Sample ID: LCS 460-995809/2-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2545		ug/L		102	80 - 120
Antimony	25.0	24.77		ug/L		99	80 - 120
Arsenic	50.0	51.82		ug/L		104	80 - 120
Barium	50.0	50.85		ug/L		102	80 - 120
Beryllium	25.0	24.97		ug/L		100	80 - 120
Cadmium	25.0	25.52		ug/L		102	80 - 120
Calcium	2500	2672		ug/L		107	80 - 120
Chromium	50.0	52.71		ug/L		105	80 - 120
Cobalt	25.0	26.44		ug/L		106	80 - 120
Copper	50.0	54.41		ug/L		109	80 - 120
Iron	2500	2675		ug/L		107	80 - 120
Lead	25.0	25.63		ug/L		103	80 - 120
Magnesium	2500	2597		ug/L		104	80 - 120
Manganese	250	253.7		ug/L		101	80 - 120
Nickel	50.0	53.17		ug/L		106	80 - 120
Potassium	2500	2546		ug/L		102	80 - 120
Selenium	50.0	51.27		ug/L		103	80 - 120
Silver	25.0	25.63		ug/L		103	80 - 120
Sodium	2500	2608		ug/L		104	80 - 120
Thallium	20.0	20.72		ug/L		104	80 - 120
Vanadium	50.0	51.75		ug/L		104	80 - 120

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

Lab Sample ID: LCS 460-995809/2-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Zinc			250	259.1		ug/L		104	80 - 120		

Lab Sample ID: 460-311253-E-1-D MS
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	47.3		2500	2551		ug/L		100	75 - 125		
Antimony	0.79	J	25.0	25.86		ug/L		100	75 - 125		
Arsenic	4.4		50.0	53.83		ug/L		99	75 - 125		
Barium	36.9		50.0	84.13		ug/L		95	75 - 125		
Beryllium	0.80	U	25.0	24.48		ug/L		98	75 - 125		
Cadmium	2.0	U	25.0	25.70		ug/L		103	75 - 125		
Calcium	84300		2500	82370	4	ug/L		-77	75 - 125		
Chromium	4.0	U	50.0	49.62		ug/L		99	75 - 125		
Cobalt	4.0	U	25.0	24.86		ug/L		99	75 - 125		
Copper	4.0	U	50.0	50.57		ug/L		101	75 - 125		
Iron	1570		2500	3969		ug/L		96	75 - 125		
Lead	0.95	J	25.0	26.35		ug/L		102	75 - 125		
Magnesium	9810		2500	11960		ug/L		86	75 - 125		
Manganese	60.3		250	294.4		ug/L		94	75 - 125		
Nickel	4.0	U	50.0	50.36		ug/L		101	75 - 125		
Potassium	6480		2500	8747		ug/L		91	75 - 125		
Selenium	2.5	U	50.0	49.32		ug/L		99	75 - 125		
Silver	2.0	U	25.0	24.87		ug/L		99	75 - 125		
Sodium	31700		2500	33210	4	ug/L		60	75 - 125		
Thallium	0.80	U	20.0	20.25		ug/L		101	75 - 125		
Vanadium	4.0	U	50.0	49.86		ug/L		100	75 - 125		
Zinc	27.3		250	266.7		ug/L		96	75 - 125		

Lab Sample ID: 460-311253-E-1-C DU
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	47.3			42.05		ug/L				12	20
Antimony	0.79	J		0.804	J	ug/L				1	20
Arsenic	4.4			4.44		ug/L				0.7	20
Barium	36.9			36.58		ug/L				0.8	20
Beryllium	0.80	U		0.80	U	ug/L				NC	20
Cadmium	2.0	U		2.0	U	ug/L				NC	20
Calcium	84300			83970		ug/L				0.4	20
Chromium	4.0	U		4.0	U	ug/L				NC	20
Cobalt	4.0	U		4.0	U	ug/L				NC	20
Copper	4.0	U		4.0	U	ug/L				NC	20
Iron	1570			1566		ug/L				0.5	20
Lead	0.95	J		0.951	J	ug/L				0.6	20
Magnesium	9810			9672		ug/L				1	20
Manganese	60.3			59.54		ug/L				1	20

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

Lab Sample ID: 460-311253-E-1-C DU
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	6480		6399		ug/L		1	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	31700		31400		ug/L		1	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20
Zinc	27.3		26.89		ug/L		1	20

Lab Sample ID: LCS 460-996458/10-A
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2412		ug/L		96	80 - 120
Antimony	25.0	24.23		ug/L		97	80 - 120
Arsenic	50.0	47.77		ug/L		96	80 - 120
Barium	50.0	48.68		ug/L		97	80 - 120
Beryllium	25.0	23.32		ug/L		93	80 - 120
Cadmium	25.0	24.10		ug/L		96	80 - 120
Calcium	2500	2559		ug/L		102	80 - 120
Chromium	50.0	48.61		ug/L		97	80 - 120
Cobalt	25.0	24.78		ug/L		99	80 - 120
Copper	50.0	50.32		ug/L		101	80 - 120
Iron	2500	2477		ug/L		99	80 - 120
Lead	25.0	24.26		ug/L		97	80 - 120
Magnesium	2500	2440		ug/L		98	80 - 120
Manganese	250	240.6		ug/L		96	80 - 120
Nickel	50.0	47.22		ug/L		94	80 - 120
Potassium	2500	2497		ug/L		100	80 - 120
Selenium	50.0	49.68		ug/L		99	80 - 120
Silver	25.0	23.09		ug/L		92	80 - 120
Thallium	20.0	19.62		ug/L		98	80 - 120
Vanadium	50.0	48.86		ug/L		98	80 - 120
Zinc	250	239.3		ug/L		96	80 - 120

Lab Sample ID: LCS 460-996458/10-A
Matrix: Water
Analysis Batch: 996599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2622		ug/L		105	80 - 120
Antimony	25.0	24.77		ug/L		99	80 - 120
Arsenic	50.0	56.57		ug/L		113	80 - 120
Barium	50.0	49.87		ug/L		100	80 - 120
Beryllium	25.0	24.31		ug/L		97	80 - 120
Cadmium	25.0	25.23		ug/L		101	80 - 120
Calcium	2500	2587		ug/L		103	80 - 120
Chromium	50.0	52.91		ug/L		106	80 - 120

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

Lab Sample ID: LCS 460-996458/10-A
Matrix: Water
Analysis Batch: 996599

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	25.0	26.74		ug/L		107	80 - 120
Copper	50.0	56.82		ug/L		114	80 - 120
Iron	2500	2627		ug/L		105	80 - 120
Lead	25.0	25.59		ug/L		102	80 - 120
Magnesium	2500	2674		ug/L		107	80 - 120
Manganese	250	257.2		ug/L		103	80 - 120
Nickel	50.0	55.00		ug/L		110	80 - 120
Potassium	2500	2619		ug/L		105	80 - 120
Selenium	50.0	53.13		ug/L		106	80 - 120
Silver	25.0	24.78		ug/L		99	80 - 120
Sodium	2500	2728		ug/L		109	80 - 120
Thallium	20.0	20.45		ug/L		102	80 - 120
Vanadium	50.0	52.09		ug/L		104	80 - 120
Zinc	250	263.5		ug/L		105	80 - 120

Lab Sample ID: 460-311114-D-5-C MS
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2458		ug/L		98	75 - 125
Antimony	2.0	U	25.0	17.35	N	ug/L		69	75 - 125
Arsenic	2.7		50.0	54.83		ug/L		104	75 - 125
Barium	432		50.0	471.8	4	ug/L		79	75 - 125
Beryllium	0.80	U	25.0	24.28		ug/L		97	75 - 125
Cadmium	2.0	U	25.0	24.85		ug/L		99	75 - 125
Calcium	113000		2500	114900	4	ug/L		67	75 - 125
Chromium	4.0	U	50.0	48.84		ug/L		98	75 - 125
Cobalt	1.9	J	25.0	26.08		ug/L		97	75 - 125
Copper	4.0	U	50.0	48.54		ug/L		97	75 - 125
Iron	11200		2500	13600	4	ug/L		96	75 - 125
Lead	1.2	U	25.0	25.09		ug/L		100	75 - 125
Magnesium	60700		2500	62060	4	ug/L		55	75 - 125
Manganese	2520		250	2753	4	ug/L		95	75 - 125
Nickel	14.1		50.0	62.36		ug/L		96	75 - 125
Potassium	119000		2500	120900	4	ug/L		93	75 - 125
Selenium	1.3	J	50.0	54.97		ug/L		107	75 - 125
Silver	2.0	U	25.0	19.94		ug/L		80	75 - 125
Sodium	240000		2500	239000	4	ug/L		-33	75 - 125
Thallium	0.80	U	20.0	19.09		ug/L		95	75 - 125
Vanadium	4.0	U	50.0	49.29		ug/L		99	75 - 125
Zinc	16.0	U	250	245.8		ug/L		98	75 - 125

Lab Sample ID: 460-311114-D-5-D MSD
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	40.0	U	2500	2555		ug/L		102	75 - 125	4	20

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

Lab Sample ID: 460-311114-D-5-D MSD
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	2.0	U	25.0	18.55	N	ug/L		74	75 - 125	7	20
Arsenic	2.7		50.0	58.27		ug/L		111	75 - 125	6	20
Barium	432		50.0	476.5	4	ug/L		88	75 - 125	1	20
Beryllium	0.80	U	25.0	26.02		ug/L		104	75 - 125	7	20
Cadmium	2.0	U	25.0	26.14		ug/L		105	75 - 125	5	20
Calcium	113000		2500	114100	4	ug/L		39	75 - 125	1	20
Chromium	4.0	U	50.0	51.57		ug/L		103	75 - 125	5	20
Cobalt	1.9	J	25.0	27.42		ug/L		102	75 - 125	5	20
Copper	4.0	U	50.0	51.10		ug/L		102	75 - 125	5	20
Iron	11200		2500	13510	4	ug/L		92	75 - 125	1	20
Lead	1.2	U	25.0	26.51		ug/L		106	75 - 125	6	20
Magnesium	60700		2500	62210	4	ug/L		61	75 - 125	0	20
Manganese	2520		250	2739	4	ug/L		89	75 - 125	1	20
Nickel	14.1		50.0	65.31		ug/L		102	75 - 125	5	20
Potassium	119000		2500	119500	4	ug/L		37	75 - 125	1	20
Selenium	1.3	J	50.0	57.52		ug/L		113	75 - 125	5	20
Silver	2.0	U	25.0	20.91		ug/L		84	75 - 125	5	20
Sodium	240000		2500	240000	4	ug/L		7	75 - 125	0	20
Thallium	0.80	U	20.0	20.37		ug/L		102	75 - 125	7	20
Vanadium	4.0	U	50.0	51.67		ug/L		103	75 - 125	5	20
Zinc	16.0	U	250	260.4		ug/L		104	75 - 125	6	20

Lab Sample ID: 460-311114-D-5-B DU
Matrix: Water
Analysis Batch: 995489

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 995570

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	40.0	U	40.0	U	ug/L		NC	20
Antimony	2.0	U	2.0	U	ug/L		NC	20
Arsenic	2.7		3.10		ug/L		13	20
Barium	432		428.2		ug/L		1	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	113000		111900		ug/L		1	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	1.9	J	1.77	J	ug/L		5	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	11200		10880		ug/L		3	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Magnesium	60700		60190		ug/L		0.8	20
Manganese	2520		2511		ug/L		0.2	20
Nickel	14.1		14.03		ug/L		0.7	20
Potassium	119000		119000		ug/L		0.4	20
Selenium	1.3	J	1.44	J	ug/L		14	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	240000		236300		ug/L		1	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20
Zinc	16.0	U	16.0	U	ug/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-996456/1-B
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 996458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Antimony	2.0	U	2.0	0.48	ug/L		09/18/24 00:33	09/18/24 01:32	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/18/24 00:33	09/18/24 01:32	1
Barium	4.0	U	4.0	0.93	ug/L		09/18/24 00:33	09/18/24 01:32	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/18/24 00:33	09/18/24 01:32	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/18/24 00:33	09/18/24 01:32	1
Calcium	500	U	500	31.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Chromium	4.0	U	4.0	1.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/18/24 00:33	09/18/24 01:32	1
Copper	4.0	U	4.0	2.0	ug/L		09/18/24 00:33	09/18/24 01:32	1
Iron	120	U	120	33.7	ug/L		09/18/24 00:33	09/18/24 01:32	1
Lead	1.2	U	1.2	0.42	ug/L		09/18/24 00:33	09/18/24 01:32	1
Magnesium	200	U	200	21.8	ug/L		09/18/24 00:33	09/18/24 01:32	1
Manganese	8.0	U	8.0	0.84	ug/L		09/18/24 00:33	09/18/24 01:32	1
Nickel	4.0	U	4.0	1.4	ug/L		09/18/24 00:33	09/18/24 01:32	1
Potassium	200	U	200	83.3	ug/L		09/18/24 00:33	09/18/24 01:32	1
Selenium	2.5	U	2.5	0.43	ug/L		09/18/24 00:33	09/18/24 01:32	1
Silver	2.0	U	2.0	1.3	ug/L		09/18/24 00:33	09/18/24 01:32	1
Thallium	0.80	U	0.80	0.19	ug/L		09/18/24 00:33	09/18/24 01:32	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/18/24 00:33	09/18/24 01:32	1
Zinc	16.0	U	16.0	4.2	ug/L		09/18/24 00:33	09/18/24 01:32	1

Lab Sample ID: MB 460-996456/1-B
Matrix: Water
Analysis Batch: 996599

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 996458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Antimony	2.0	U	2.0	0.48	ug/L		09/18/24 00:33	09/18/24 13:15	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/18/24 00:33	09/18/24 13:15	1
Barium	4.0	U	4.0	0.93	ug/L		09/18/24 00:33	09/18/24 13:15	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/18/24 00:33	09/18/24 13:15	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/18/24 00:33	09/18/24 13:15	1
Calcium	500	U	500	31.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Chromium	4.0	U	4.0	1.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/18/24 00:33	09/18/24 13:15	1
Copper	4.0	U	4.0	2.0	ug/L		09/18/24 00:33	09/18/24 13:15	1
Iron	120	U	120	33.7	ug/L		09/18/24 00:33	09/18/24 13:15	1
Lead	1.2	U	1.2	0.42	ug/L		09/18/24 00:33	09/18/24 13:15	1
Magnesium	200	U	200	21.8	ug/L		09/18/24 00:33	09/18/24 13:15	1
Manganese	8.0	U	8.0	0.84	ug/L		09/18/24 00:33	09/18/24 13:15	1
Nickel	4.0	U	4.0	1.4	ug/L		09/18/24 00:33	09/18/24 13:15	1
Potassium	200	U	200	83.3	ug/L		09/18/24 00:33	09/18/24 13:15	1
Selenium	2.5	U	2.5	0.43	ug/L		09/18/24 00:33	09/18/24 13:15	1
Silver	2.0	U	2.0	1.3	ug/L		09/18/24 00:33	09/18/24 13:15	1
Sodium	500	U	500	180	ug/L		09/18/24 00:33	09/18/24 13:15	1
Thallium	0.80	U	0.80	0.19	ug/L		09/18/24 00:33	09/18/24 13:15	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/18/24 00:33	09/18/24 13:15	1
Zinc	16.0	U	16.0	4.2	ug/L		09/18/24 00:33	09/18/24 13:15	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 460-311255-A-1-AD MS
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 996458

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2277		ug/L		91	75 - 125
Antimony	0.60	J	25.0	21.81		ug/L		85	75 - 125
Arsenic	3.3		50.0	55.44		ug/L		104	75 - 125
Barium	21.0		50.0	71.39		ug/L		101	75 - 125
Beryllium	0.80	U	25.0	22.00		ug/L		88	75 - 125
Cadmium	2.0	U	25.0	21.10		ug/L		84	75 - 125
Calcium	378000		2500	380200	4	ug/L		87	75 - 125
Chromium	4.0	U	50.0	46.55		ug/L		93	75 - 125
Cobalt	4.0	U	25.0	22.53		ug/L		90	75 - 125
Copper	4.0	U	50.0	33.62	N	ug/L		67	75 - 125
Iron	120	U	2500	2428		ug/L		97	75 - 125
Lead	1.2	U	25.0	17.94	N	ug/L		72	75 - 125
Manganese	127		250	369.8		ug/L		97	75 - 125
Nickel	4.0	U	50.0	41.39		ug/L		83	75 - 125
Potassium	359000		2500	349200	4	ug/L		-409	75 - 125
Selenium	2.5	U	50.0	50.76		ug/L		102	75 - 125
Silver	2.0	U	25.0	18.81		ug/L		75	75 - 125
Thallium	0.80	U	20.0	17.64		ug/L		88	75 - 125
Vanadium	4.9		50.0	55.03		ug/L		100	75 - 125
Zinc	8.1	J	250	236.4		ug/L		91	75 - 125

Lab Sample ID: 460-311255-A-1-AE MSD
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 996458

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	40.0	U	2500	2294		ug/L		92	75 - 125	1	20
Antimony	0.60	J	25.0	23.11		ug/L		90	75 - 125	6	20
Arsenic	3.3		50.0	56.06		ug/L		106	75 - 125	1	20
Barium	21.0		50.0	72.23		ug/L		102	75 - 125	1	20
Beryllium	0.80	U	25.0	22.74		ug/L		91	75 - 125	3	20
Cadmium	2.0	U	25.0	23.13		ug/L		93	75 - 125	9	20
Calcium	378000		2500	363300	4	ug/L		-591	75 - 125	5	20
Chromium	4.0	U	50.0	47.66		ug/L		95	75 - 125	2	20
Cobalt	4.0	U	25.0	23.05		ug/L		92	75 - 125	2	20
Copper	4.0	U	50.0	35.68	N	ug/L		71	75 - 125	6	20
Iron	120	U	2500	2358		ug/L		94	75 - 125	3	20
Lead	1.2	U	25.0	18.57	N	ug/L		74	75 - 125	3	20
Manganese	127		250	373.8		ug/L		99	75 - 125	1	20
Nickel	4.0	U	50.0	42.94		ug/L		86	75 - 125	4	20
Potassium	359000		2500	349100	4	ug/L		-412	75 - 125	0	20
Selenium	2.5	U	50.0	51.31		ug/L		103	75 - 125	1	20
Silver	2.0	U	25.0	19.33		ug/L		77	75 - 125	3	20
Thallium	0.80	U	20.0	18.13		ug/L		91	75 - 125	3	20
Vanadium	4.9		50.0	55.50		ug/L		101	75 - 125	1	20
Zinc	8.1	J	250	253.2		ug/L		98	75 - 125	7	20

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

Lab Sample ID: 460-311255-A-1-AC DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 996348 — **Prep Batch: 996458**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	40.0	U	40.0	U	ug/L		NC	20
Antimony	0.60	J	0.612	J	ug/L		2	20
Arsenic	3.3		3.38		ug/L		2	20
Barium	21.0		20.64		ug/L		2	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	378000		374000		ug/L		1	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	120	U	120	U	ug/L		NC	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Manganese	127		124.3		ug/L		2	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	359000		352500		ug/L		2	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.9		4.84		ug/L		0.3	20
Zinc	8.1	J	5.74	J	ug/L		34	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-995473/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/12/24 11:39	09/12/24 14:09	1

Lab Sample ID: LCS 460-995473/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 460-310685-C-2-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.06		ug/L		106	75 - 125	1	20

Lab Sample ID: 460-310685-F-2-H MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 995512 — **Prep Batch: 995473**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.05		ug/L		105	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-310685-J-2-B DU
Matrix: Water
Analysis Batch: 995512

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 995473

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-995708/1-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/13/24 14:48	09/13/24 15:06	1

Lab Sample ID: LCS 460-995708/3-A
Matrix: Water
Analysis Batch: 995745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.967		ug/L		97	80 - 120

Lab Sample ID: LCS 460-996345/3-A
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.979		ug/L		98	80 - 120

Lab Sample ID: 460-311172-1 MS
Matrix: Water
Analysis Batch: 995745

Client Sample ID: RXTW-4
Prep Type: Dissolved
Prep Batch: 995708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	0.992		ug/L		99	75 - 125

Lab Sample ID: 460-311172-1 DU
Matrix: Water
Analysis Batch: 995745

Client Sample ID: RXTW-4
Prep Type: Dissolved
Prep Batch: 995708

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-996343/1-B
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 996345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		09/17/24 14:19	09/17/24 15:57	1

Lab Sample ID: 460-311357-F-2-C MS
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 996345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-311357-F-2-D MSD
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 996345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125	1	20

Lab Sample ID: 460-311357-F-2-B DU
Matrix: Water
Analysis Batch: 996384

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 996345

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-995366/10
Matrix: Water
Analysis Batch: 995366

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			09/12/24 01:28	1

Lab Sample ID: LCSSRM 460-995366/11
Matrix: Water
Analysis Batch: 995366

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	77.6	77.60		ug/L		100.0	84.1 - 114.4

Lab Sample ID: MRL 460-995366/9
Matrix: Water
Analysis Batch: 995366

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	12.14		ug/L		121	50 - 150

Lab Sample ID: 460-311172-1 MS
Matrix: Water
Analysis Batch: 995366

Client Sample ID: RXTW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	U	30.0	29.60		ug/L		99	85 - 115

Lab Sample ID: 460-311172-1 DU
Matrix: Water
Analysis Batch: 995366

Client Sample ID: RXTW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	10.0	U	10.0	U	ug/L		NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-995993/12-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/15/24 16:08	09/15/24 18:14	1

Lab Sample ID: MRL 460-995993/11-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995993

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00738	J	mg/L		74	50 - 150

Lab Sample ID: MB 460-995994/1-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/15/24 16:12	09/15/24 18:44	1

Lab Sample ID: LCS 460-995994/2-A
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.101		mg/L		101	85 - 115

Lab Sample ID: 460-311270-D-11-B MS
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 995994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.063		0.200	0.261		mg/L		99	90 - 110

Lab Sample ID: 460-311270-D-11-C MSD
Matrix: Water
Analysis Batch: 996001

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.063		0.200	0.241	N	mg/L		89	90 - 110	8	35

GC/MS VOA

Analysis Batch: 995829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8260D	
460-311172-2	FB_09112024	Total/NA	Water	8260D	
460-311172-3	TB_09112024	Total/NA	Water	8260D	
MB 460-995829/8	Method Blank	Total/NA	Water	8260D	
LCS 460-995829/4	Lab Control Sample	Total/NA	Water	8260D	
460-310812-A-2 MS	Matrix Spike	Total/NA	Water	8260D	
460-310812-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995440/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995440/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995440/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 995542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8270E SIM ID	995440
460-311172-2	FB_09112024	Total/NA	Water	8270E SIM ID	995440
MB 460-995440/1-A	Method Blank	Total/NA	Water	8270E SIM ID	995440
LCS 460-995440/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	995440
LCSD 460-995440/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	995440

Prep Batch: 995676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995676/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995676/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995676/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 995763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8270E	995676
460-311172-2	FB_09112024	Total/NA	Water	8270E	995676
MB 460-995676/1-A	Method Blank	Total/NA	Water	8270E	995676
LCS 460-995676/2-A	Lab Control Sample	Total/NA	Water	8270E	995676
LCSD 460-995676/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	995676

GC Semi VOA

Prep Batch: 995329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995329/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995329/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995329/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311114-E-5-A MS	Matrix Spike	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 995329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311114-E-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Prep Batch: 995331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	3510C	
460-311172-2	FB_09112024	Total/NA	Water	3510C	
MB 460-995331/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995331/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995331/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311118-F-7-A MS	Matrix Spike	Total/NA	Water	3510C	
460-311118-H-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 995374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995329/1-A	Method Blank	Total/NA	Water	8081B	995329
LCS 460-995329/2-A	Lab Control Sample	Total/NA	Water	8081B	995329
LCSD 460-995329/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	995329

Analysis Batch: 995378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995331/1-A	Method Blank	Total/NA	Water	8082A	995331
LCS 460-995331/2-A	Lab Control Sample	Total/NA	Water	8082A	995331
LCSD 460-995331/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	995331

Analysis Batch: 995497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8082A	995331
460-311172-2	FB_09112024	Total/NA	Water	8082A	995331
460-311118-F-7-A MS	Matrix Spike	Total/NA	Water	8082A	995331
460-311118-H-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	8082A	995331

Analysis Batch: 995585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	8081B	995329
460-311172-2	FB_09112024	Total/NA	Water	8081B	995329

Analysis Batch: 995588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311114-E-5-A MS	Matrix Spike	Total/NA	Water	8081B	995329
460-311114-E-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	8081B	995329

Metals

Prep Batch: 995473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7470A	
460-311172-2	FB_09112024	Total/NA	Water	7470A	
MB 460-995473/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995473/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-310685-C-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-310685-F-2-H MS	Matrix Spike	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 995473 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-310685-J-2-B DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 995489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	6020B	995570
MB 460-995570/1-A	Method Blank	Total Recoverable	Water	6020B	995570
LCS 460-995570/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995570
460-311114-D-5-C MS	Matrix Spike	Dissolved	Water	6020B	995570
460-311114-D-5-D MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	995570
460-311114-D-5-B DU	Duplicate	Dissolved	Water	6020B	995570

Analysis Batch: 995512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7470A	995473
460-311172-2	FB_09112024	Total/NA	Water	7470A	995473
MB 460-995473/1-A	Method Blank	Total/NA	Water	7470A	995473
LCS 460-995473/2-A	Lab Control Sample	Total/NA	Water	7470A	995473
460-310685-C-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	995473
460-310685-F-2-H MS	Matrix Spike	Total/NA	Water	7470A	995473
460-310685-J-2-B DU	Duplicate	Total/NA	Water	7470A	995473

Prep Batch: 995570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	3005A	
MB 460-995570/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-995570/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311114-D-5-C MS	Matrix Spike	Dissolved	Water	3005A	
460-311114-D-5-D MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
460-311114-D-5-B DU	Duplicate	Dissolved	Water	3005A	

Prep Batch: 995708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	7470A	
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311172-1 MS	RXTW-4	Dissolved	Water	7470A	
460-311172-1 DU	RXTW-4	Dissolved	Water	7470A	

Analysis Batch: 995745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Dissolved	Water	7470A	995708
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	995708
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	995708
460-311172-1 MS	RXTW-4	Dissolved	Water	7470A	995708
460-311172-1 DU	RXTW-4	Dissolved	Water	7470A	995708

Prep Batch: 995809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total Recoverable	Water	3005A	
460-311172-2	FB_09112024	Total Recoverable	Water	3005A	
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 995809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311253-E-1-D MS	Matrix Spike	Total Recoverable	Water	3005A	
460-311253-E-1-C DU	Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total Recoverable	Water	6020B	995809
460-311172-2	FB_09112024	Total Recoverable	Water	6020B	995809
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	6020B	995809
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995809
460-311253-E-1-D MS	Matrix Spike	Total Recoverable	Water	6020B	995809
460-311253-E-1-C DU	Duplicate	Total Recoverable	Water	6020B	995809

Filtration Batch: 996343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	FILTRATION	
MB 460-996343/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 996345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	7470A	996343
MB 460-996343/1-B	Method Blank	Dissolved	Water	7470A	996343
LCS 460-996345/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-311357-F-2-C MS	Matrix Spike	Dissolved	Water	7470A	
460-311357-F-2-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	
460-311357-F-2-B DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 996348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	6020B	996458
MB 460-996456/1-B	Method Blank	Dissolved	Water	6020B	996458
LCS 460-996458/10-A	Lab Control Sample	Total Recoverable	Water	6020B	996458
460-311255-A-1-AD MS	Matrix Spike	Dissolved	Water	6020B	996458
460-311255-A-1-AE MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	996458
460-311255-A-1-AC DU	Duplicate	Dissolved	Water	6020B	996458

Analysis Batch: 996384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	7470A	996345
MB 460-996343/1-B	Method Blank	Dissolved	Water	7470A	996345
LCS 460-996345/3-A	Lab Control Sample	Total/NA	Water	7470A	996345
460-311357-F-2-C MS	Matrix Spike	Dissolved	Water	7470A	996345
460-311357-F-2-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	996345
460-311357-F-2-B DU	Duplicate	Dissolved	Water	7470A	996345

Filtration Batch: 996456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	FILTRATION	
MB 460-996456/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-311255-A-1-AD MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-311255-A-1-AE MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	

Metals (Continued)

Filtration Batch: 996456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311255-A-1-AC DU	Duplicate	Dissolved	Water	FILTRATION	

Prep Batch: 996458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	3005A	996456
MB 460-996456/1-B	Method Blank	Dissolved	Water	3005A	996456
LCS 460-996458/10-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311255-A-1-AD MS	Matrix Spike	Dissolved	Water	3005A	996456
460-311255-A-1-AE MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	996456
460-311255-A-1-AC DU	Duplicate	Dissolved	Water	3005A	996456

Analysis Batch: 996599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Dissolved	Water	6020B	996458
MB 460-996456/1-B	Method Blank	Dissolved	Water	6020B	996458
LCS 460-996458/10-A	Lab Control Sample	Total Recoverable	Water	6020B	996458

General Chemistry

Analysis Batch: 995366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7196A	
460-311172-2	FB_09112024	Total/NA	Water	7196A	
MB 460-995366/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-995366/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-995366/9	Lab Control Sample	Total/NA	Water	7196A	
460-311172-1 MS	RXTW-4	Total/NA	Water	7196A	
460-311172-1 DU	RXTW-4	Total/NA	Water	7196A	

Analysis Batch: 995694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	7196A	
460-311172-2	FB_09112024	Total/NA	Water	7196A	

Prep Batch: 995993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995993/12-A	Method Blank	Total/NA	Water	9012B	
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Water	9012B	

Prep Batch: 995994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	9012B	
460-311172-2	FB_09112024	Total/NA	Water	9012B	
MB 460-995994/1-A	Method Blank	Total/NA	Water	9012B	
LCS 460-995994/2-A	Lab Control Sample	Total/NA	Water	9012B	
460-311270-D-11-B MS	Matrix Spike	Total/NA	Water	9012B	
460-311270-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 996001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-1	RXTW-4	Total/NA	Water	9012B	995994

General Chemistry (Continued)

Analysis Batch: 996001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311172-2	FB_09112024	Total/NA	Water	9012B	995994
MB 460-995993/12-A	Method Blank	Total/NA	Water	9012B	995993
MB 460-995994/1-A	Method Blank	Total/NA	Water	9012B	995994
LCS 460-995994/2-A	Lab Control Sample	Total/NA	Water	9012B	995994
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Water	9012B	995993
460-311270-D-11-B MS	Matrix Spike	Total/NA	Water	9012B	995994
460-311270-D-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	995994

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Client Sample ID: RXTW-4
Lab Sample ID: 460-311172-1
Date Collected: 09/11/24 13:40
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995829	SZD	EET EDI	09/14/24 11:07
Total/NA	Prep	3510C			995676	NMP	EET EDI	09/13/24 11:14
Total/NA	Analysis	8270E		1	995763	YAH	EET EDI	09/13/24 23:02
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/12/24 09:23
Total/NA	Analysis	8270E SIM ID		1	995542	MME	EET EDI	09/12/24 22:11
Total/NA	Prep	3510C			995329	JMS	EET EDI	09/12/24 09:51
Total/NA	Analysis	8081B		1	995585	FAM	EET EDI	09/13/24 08:24
Total/NA	Prep	3510C			995331	JMS	EET EDI	09/12/24 09:54
Total/NA	Analysis	8082A		1	995497	AAA	EET EDI	09/12/24 18:16
Dissolved	Prep	3005A			995570	VAD	EET EDI	09/12/24 21:51
Dissolved	Analysis	6020B		1	995489	CDC	EET EDI	09/12/24 23:49
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 11:32
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:11
Total/NA	Prep	7470A			995473	RBS	EET EDI	09/12/24 11:39
Total/NA	Analysis	7470A		1	995512	RBS	EET EDI	09/12/24 14:40
Total/NA	Analysis	7196A		1	995694	LBD	EET EDI	09/13/24 13:10
Total/NA	Analysis	7196A		1	995366	VBG	EET EDI	09/12/24 01:28
Total/NA	Prep	9012B			995994	VBG	EET EDI	09/15/24 16:12
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 19:16

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2
Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995829	SZD	EET EDI	09/14/24 10:28
Total/NA	Prep	3510C			995676	NMP	EET EDI	09/13/24 11:14
Total/NA	Analysis	8270E		1	995763	YAH	EET EDI	09/13/24 23:23
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/12/24 09:23
Total/NA	Analysis	8270E SIM ID		1	995542	MME	EET EDI	09/12/24 22:26
Total/NA	Prep	3510C			995329	JMS	EET EDI	09/12/24 09:51
Total/NA	Analysis	8081B		1	995585	FAM	EET EDI	09/13/24 08:36
Total/NA	Prep	3510C			995331	JMS	EET EDI	09/12/24 09:54
Total/NA	Analysis	8082A		1	995497	AAA	EET EDI	09/12/24 18:32
Dissolved	Filtration	FILTRATION			996456	VAD	EET EDI	09/18/24 00:31
Dissolved	Prep	3005A			996458	VAD	EET EDI	09/18/24 00:33
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/18/24 02:04
Dissolved	Filtration	FILTRATION			996456	VAD	EET EDI	09/18/24 00:31
Dissolved	Prep	3005A			996458	VAD	EET EDI	09/18/24 00:33
Dissolved	Analysis	6020B		1	996599	CDC	EET EDI	09/18/24 13:46
Total Recoverable	Prep	3005A			995809	GAE	EET EDI	09/13/24 22:35
Total Recoverable	Analysis	6020B		1	996107	MDC	EET EDI	09/16/24 10:34

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Client Sample ID: FB_09112024
Lab Sample ID: 460-311172-2

Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			996343	RBS	EET EDI	09/17/24 14:09
Dissolved	Prep	7470A			996345	RBS	EET EDI	09/17/24 14:19
Dissolved	Analysis	7470A		1	996384	RBS	EET EDI	09/17/24 16:32
Total/NA	Prep	7470A			995473	RBS	EET EDI	09/12/24 11:39
Total/NA	Analysis	7470A		1	995512	RBS	EET EDI	09/12/24 14:42
Total/NA	Analysis	7196A		1	995694	LBD	EET EDI	09/15/24 21:35
Total/NA	Analysis	7196A		1	995366	VBG	EET EDI	09/12/24 01:28
Total/NA	Prep	9012B			995994	VBG	EET EDI	09/15/24 16:12
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 19:17

Client Sample ID: TB_09112024
Lab Sample ID: 460-311172-3

Date Collected: 09/11/24 13:50
Matrix: Water
Date Received: 09/11/24 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995829	SZD	EET EDI	09/14/24 10:47

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7196A		Water	Cr (III)
8270E	3510C	Water	3 & 4 Methylphenol

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-311172-1
Project/Site: 2828 W 28th Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311172-1	RXTW-4	Water	09/11/24 13:40	09/11/24 18:15
460-311172-2	FB_09112024	Water	09/11/24 13:50	09/11/24 18:15
460-311172-3	TB_09112024	Water	09/11/24 13:50	09/11/24 18:15

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 22

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: EMERY LOVELAMP	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):
Client Contact: Lauren Dolginko	Phone: 724-770-6813	E-Mail: Elizabeth Flannery@et eurofinsus com	State of Origin:
Company: Roux Environmental Eng & Geology DPC	PWSID:		COC No: 460-185738-121604 1
Address: 209 Shafter St	Due Date Requested: STANDARD		Page: Page 1 of 1
City: Islandia	TAT Requested (days): Standard		Job #: 311172
State Zip: NY, 11749	Compliance Project: Δ Yes Δ No		
Phone: 631-232-2600	PO #: Purchase Order Requested		
Email: ldolginko@rouxinc com	WO #: 2828 W 28th Street		
Project Name: 2828 W 28th Street	Project #: 46044510		
Site: 2828 W 28TH ST	SSOW#:		

Analysis Requested

Preservation Codes:
N - None
D - HNO3
A - HCL
B - NaOH

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil BT=Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B - Pesticides, 8082A - PCBs	8270E_SIM_MS_ID - 1,4-Dioxane (GC/MS SIM / Isotope Dilutio	8270E - ~~TCL~~ Part 375 BNAs	7196A - Hex Chrome, 7196A_CR3- Tri Chrome	6020B - Part 375 Metals, 7470A - Mercury/6020B - Dissolved Part 375 Metals (Field Filtered), 7470 - Diss. Mercury (Field Filtered)	8260D - ~~TCL~~ Part 375 VOCs	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	D	A	B		
RXTW-4	9/11/24	1340	G	W	N	N	X	X	X	X	X	X	X	4	DISS METALS FIELD FILTERED
FB_09112024	9/11/24	1350	G	W	N	N	X	X	X	X	X	X	X	5	
[redacted] TB_09112024	5/29/24	—	—	W	N	N						X		2	

SHORT HOLD

460-311172 Chain of Custody

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by:	Date/Time: 9/11/24 1430	Company: Roux	Received by:	Date/Time: 9/11/24 1500	Company: ET
Relinquished by	Date/Time	Company	Received by	Date/Time: 9-11-24 16:00	Company: ET
Relinquished by:	Date/Time: 9-11-24 1815	Company: ET	Received by:	Date/Time: 9/11/24 1815	Company: ET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks

NOCS ER #9 1.5/1.7

Ver: 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 311172

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.5 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				12								712			
2				12								712			

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 9-11-24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311172-1

Login Number: 311172

List Source: Eurofins Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	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	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	