



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
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Generated 10/16/2024 3:34:55 PM Revision 1

JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311253-1

Eurofins Edison

Job Notes

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Authorization



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Revision 1

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Definitions/Glossary

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

Job ID: 460-311253-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	The analyte was found in an associated blank, as well as in the sample.
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
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
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
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
QC	Quality Control

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Definitions/Glossary

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

Job ID: 460-311253-1

Glossary (Continued)

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

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Case Narrative

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

Job ID: 460-311253-1

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Job Narrative 460-311253-1

REVISION

The report being provided is a revision of the original report sent on 9/19/2024. The report (revision 1) is being revised due to Correcting compound list to Part 375 only..

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 9/12/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.1°C and 1.2°C.

Method 8260D - Volatile Organic Compounds by GC/MS

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3), TB_09122024 (460-311253-4) and Dup_09122024 (460-311253-5) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/13/2024 and 9/16/2024 and analyzed on 9/15/2024, 9/16/2024 and 9/17/2024.

The continuing calibration verification (CCV) associated with batch 460-996032 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The method blank for analytical batch 460-996032 contained 1,2,4-Trichlorobenzene and Methylene Chloride above the method detection limit. These target analytes concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

The continuing calibration verification (CCV) associated with batch 460-996003 recovered above the upper control limit for Isopropylbenzene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The method blank for analytical batch 460-996003 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated samples were not re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL.

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

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/13/2024 and analyzed on 9/14/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995765 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 2-Nitroaniline, 4-Methylphenol and Benzaldehyde. 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 analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-995677 and analytical batch 460-995765 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

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Case Narrative

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

Job ID: 460-311253-1

Job ID: 460-311253-1 (Continued)

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

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution). The samples were prepared on 9/13/2024 and analyzed on 9/15/2024.

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

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 9/14/2024 and analyzed on 9/16/2024.

Method 8081B - Organochlorine Pesticides (GC)

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/14/2024 and analyzed on 9/16/2024.

The laboratory control sample duplicate (LCSD) for preparation batch 460-995875 and analytical batch 460-996147 recovered outside control limits for Endosulfan I on the primary column. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.
(LCSD 460-995875/3-A)

The surrogates Tetrachloro-m-xylene and DCB Decachlorobiphenyl recovery for the blank associated with preparation batch 460-995872 and 460-995875 and analytical batch 460-996147 was outside the upper control limits.
(MB 460-995872/1-B)

Surrogates Tetrachloro-m-xylene and DCB Decachlorobiphenyl recovery for the following samples were outside the upper control limit: RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 9/16/2024 and analyzed on 9/17/2024.

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

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) 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-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/13/2024.

Method 7470A - Mercury (CVAA) - Dissolved

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 9/13/2024.

Method 7196A - Chromium, Hexavalent

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Chromium, Hexavalent. The samples were prepared on 9/13/2024 and analyzed on 9/13/2024 and 9/16/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/17/2024.

Method 9012B - Cyanide, Total and/or Amenable

Samples RXTW-3 (460-311253-1), RXTW-2 (460-311253-2), RXTW-6 (460-311253-3) and Dup_09122024 (460-311253-5) were analyzed for Cyanide, Total and/or Amenable. The samples were prepared and analyzed on 9/17/2024.

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Detection Summary

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

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Lab Sample ID: 460-311253-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.0	1.2	ug/L	1		6020B	Total
Barium	36.9		4.0	0.93	ug/L	1		6020B	Recoverable Total
Lead	0.95	J	1.2	0.42	ug/L	1		6020B	Recoverable Total
Manganese	60.3		8.0	0.84	ug/L	1		6020B	Recoverable Total
Zinc	27.3		16.0	4.2	ug/L	1		6020B	Recoverable Total
Antimony	0.88	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	4.4		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	36.1		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	78700		500	31.7	ug/L	1		6020B	Dissolved
Iron	1550		120	33.7	ug/L	1		6020B	Dissolved
Magnesium	9260		200	21.8	ug/L	1		6020B	Dissolved
Manganese	63.2		8.0	0.84	ug/L	1		6020B	Dissolved
Potassium	6460		200	83.3	ug/L	1		6020B	Dissolved
Sodium	32100		500	180	ug/L	1		6020B	Dissolved
Zinc	20.8		16.0	4.2	ug/L	1		6020B	Dissolved

Client Sample ID: RXTW-2

Lab Sample ID: 460-311253-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.39	J B	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.4		2.0	1.2	ug/L	1		6020B	Total
Barium	152		4.0	0.93	ug/L	1		6020B	Recoverable Total
Lead	1.1	J	1.2	0.42	ug/L	1		6020B	Recoverable Total
Manganese	76.0		8.0	0.84	ug/L	1		6020B	Recoverable Total
Nickel	1.4	J	4.0	1.4	ug/L	1		6020B	Recoverable Total
Zinc	8.5	J	16.0	4.2	ug/L	1		6020B	Recoverable Total
Antimony	1.8	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	4.5		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	133		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	111000		500	31.7	ug/L	1		6020B	Dissolved
Cobalt	0.56	J	4.0	0.41	ug/L	1		6020B	Dissolved
Iron	449		120	33.7	ug/L	1		6020B	Dissolved
Lead	2.0		1.2	0.42	ug/L	1		6020B	Dissolved
Magnesium	14100		200	21.8	ug/L	1		6020B	Dissolved
Manganese	54.6		8.0	0.84	ug/L	1		6020B	Dissolved
Nickel	1.9	J	4.0	1.4	ug/L	1		6020B	Dissolved
Potassium	5710		200	83.3	ug/L	1		6020B	Dissolved
Sodium	28200		500	180	ug/L	1		6020B	Dissolved
Vanadium	1.2	J	4.0	1.0	ug/L	1		6020B	Dissolved
Zinc	77.4		16.0	4.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 460-311253-1

Client Sample ID: RXTW-6

Lab Sample ID: 460-311253-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.35	J B	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.4		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	143		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	6.3		1.2	0.42	ug/L	1		6020B	Total Recoverable
Manganese	41.4		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	2.2	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Zinc	89.2		16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	0.78	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	3.3		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	165		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	94900		500	31.7	ug/L	1		6020B	Dissolved
Iron	222		120	33.7	ug/L	1		6020B	Dissolved
Magnesium	73300		200	21.8	ug/L	1		6020B	Dissolved
Manganese	69.5		8.0	0.84	ug/L	1		6020B	Dissolved
Potassium	20900		200	83.3	ug/L	1		6020B	Dissolved
Sodium	358000		500	180	ug/L	1		6020B	Dissolved
Vanadium	1.0	J	4.0	1.0	ug/L	1		6020B	Dissolved
Zinc	5.0	J	16.0	4.2	ug/L	1		6020B	Dissolved

Client Sample ID: TB_09122024

Lab Sample ID: 460-311253-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.74	J B	1.0	0.32	ug/L	1		8260D	Total/NA

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.35	J B	1.0	0.32	ug/L	1		8260D	Total/NA
Arsenic	3.6		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	142		4.0	0.93	ug/L	1		6020B	Total Recoverable
Chromium	2.4	J	4.0	1.7	ug/L	1		6020B	Total Recoverable
Lead	1.5		1.2	0.42	ug/L	1		6020B	Total Recoverable
Manganese	80.4		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	1.6	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Zinc	10.2	J	16.0	4.2	ug/L	1		6020B	Total Recoverable
Antimony	0.93	J	2.0	0.48	ug/L	1		6020B	Dissolved
Arsenic	3.3		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	168		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	92200		500	31.7	ug/L	1		6020B	Dissolved
Iron	237		120	33.7	ug/L	1		6020B	Dissolved
Magnesium	73300		200	21.8	ug/L	1		6020B	Dissolved
Manganese	70.4		8.0	0.84	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

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

Job ID: 460-311253-1

Client Sample ID: Dup_09122024 (Continued)

Lab Sample ID: 460-311253-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	21000		200	83.3	ug/L	1		6020B	Dissolved
Sodium	345000		500	180	ug/L	1		6020B	Dissolved
Zinc	7.1	J	16.0	4.2	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Lab Sample ID: 460-311253-1

Date Collected: 09/12/24 09:35

Matrix: Water

Date Received: 09/12/24 19:00

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			09/16/24 17:30	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 17:30	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 17:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 17:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 17:30	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 17:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 17:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 17:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 17:30	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 17:30	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 17:30	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 17:30	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 17:30	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 17:30	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 17:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 17:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 17:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 17:30	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/16/24 17:30	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 17:30	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 17:30	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 17:30	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 17:30	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 17:30	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 17:30	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 17:30	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 17:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 17:30	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 17:30	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 17:30	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 128		09/16/24 17:30	1
4-Bromofluorobenzene	111		76 - 120		09/16/24 17:30	1
Dibromofluoromethane (Surr)	102		77 - 132		09/16/24 17:30	1
Toluene-d8 (Surr)	92		80 - 120		09/16/24 17:30	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		09/13/24 09:09	09/15/24 15:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		10 - 150				09/13/24 09:09	09/15/24 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 02:07	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 02:07	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:07	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 02:07	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Lab Sample ID: 460-311253-1

Date Collected: 09/12/24 09:35

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 02:07	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 02:07	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 02:07	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 02:07	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:07	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 02:07	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 02:07	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 02:07	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 02:07	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 02:07	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 02:07	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:07	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 02:07	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		37 - 150	09/13/24 11:23	09/14/24 02:07	1
2-Fluorobiphenyl	66		46 - 139	09/13/24 11:23	09/14/24 02:07	1
2-Fluorophenol (Surr)	50		16 - 80	09/13/24 11:23	09/14/24 02:07	1
Nitrobenzene-d5 (Surr)	68		51 - 145	09/13/24 11:23	09/14/24 02:07	1
Phenol-d5 (Surr)	37		10 - 56	09/13/24 11:23	09/14/24 02:07	1
Terphenyl-d14 (Surr)	48		13 - 159	09/13/24 11:23	09/14/24 02:07	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		09/14/24 11:29	09/16/24 23:21	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:21	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:21	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:21	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:21	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:21	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:21	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:21	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:21	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:21	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:21	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:21	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:21	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:21	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:21	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Lab Sample ID: 460-311253-1

Date Collected: 09/12/24 09:35

Matrix: Water

Date Received: 09/12/24 19:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	122		30 - 131	09/14/24 11:29	09/16/24 23:21	1
DCB Decachlorobiphenyl	128		30 - 131	09/14/24 11:29	09/16/24 23:21	1
Tetrachloro-m-xylene	119		34 - 120	09/14/24 11:29	09/16/24 23:21	1
Tetrachloro-m-xylene	118		34 - 120	09/14/24 11:29	09/16/24 23:21	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		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 11:57	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		18 - 145	09/14/24 11:42	09/16/24 11:57	1
DCB Decachlorobiphenyl	89		18 - 145	09/14/24 11:42	09/16/24 11:57	1
Tetrachloro-m-xylene	88		21 - 124	09/14/24 11:42	09/16/24 11:57	1
Tetrachloro-m-xylene	84		21 - 124	09/14/24 11:42	09/16/24 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 10:21	1
Barium	36.9		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 10:21	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 10:21	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 10:21	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 10:21	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 10:21	1
Lead	0.95	J	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 10:21	1
Manganese	60.3		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 10:21	1
Nickel	4.0	U	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 10:21	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 10:21	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 10:21	1
Zinc	27.3		16.0	4.2	ug/L		09/13/24 22:35	09/16/24 10:21	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		09/16/24 23:41	09/17/24 19:27	1
Antimony	0.88	J	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 00:47	1
Arsenic	4.4		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 00:47	1
Barium	36.1		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 00:47	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 00:47	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 00:47	1
Calcium	78700		500	31.7	ug/L		09/16/24 23:41	09/17/24 00:47	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 00:47	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 00:47	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 00:47	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Lab Sample ID: 460-311253-1

Date Collected: 09/12/24 09:35

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1550		120	33.7	ug/L		09/16/24 23:41	09/17/24 00:47	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 00:47	1
Magnesium	9260		200	21.8	ug/L		09/16/24 23:41	09/17/24 00:47	1
Manganese	63.2		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 00:47	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 00:47	1
Potassium	6460		200	83.3	ug/L		09/16/24 23:41	09/17/24 00:47	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 00:47	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 00:47	1
Sodium	32100		500	180	ug/L		09/16/24 23:41	09/17/24 00:47	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 00:47	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 00:47	1
Zinc	20.8		16.0	4.2	ug/L		09/16/24 23:41	09/17/24 00:47	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		09/13/24 11:44	09/13/24 14:57	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 15:25	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			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:26	1

Client Sample ID: RXTW-2

Lab Sample ID: 460-311253-2

Date Collected: 09/12/24 12:30

Matrix: Water

Date Received: 09/12/24 19:00

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			09/16/24 01:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 01:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 01:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 01:25	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 01:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 01:25	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 01:25	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 01:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 01:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 01:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 01:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 01:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 01:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 01:25	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-2

Lab Sample ID: 460-311253-2

Date Collected: 09/12/24 12:30

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.39	J B	1.0	0.32	ug/L			09/16/24 01:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 01:25	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:25	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 01:25	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:25	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:25	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 01:25	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 01:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 01:25	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 01:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 01:25	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 128		09/16/24 01:25	1
4-Bromofluorobenzene	109		76 - 120		09/16/24 01:25	1
Dibromofluoromethane (Surr)	101		77 - 132		09/16/24 01:25	1
Toluene-d8 (Surr)	92		80 - 120		09/16/24 01:25	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		09/13/24 09:09	09/15/24 15:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		10 - 150				09/13/24 09:09	09/15/24 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 02:28	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 02:28	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:28	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 02:28	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 02:28	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 02:28	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 02:28	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 02:28	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:28	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 02:28	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 02:28	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 02:28	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 02:28	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 02:28	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 02:28	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:28	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 02:28	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 02:28	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-2

Lab Sample ID: 460-311253-2

Date Collected: 09/12/24 12:30

Matrix: Water

Date Received: 09/12/24 19:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		37 - 150	09/13/24 11:23	09/14/24 02:28	1
2-Fluorobiphenyl	67		46 - 139	09/13/24 11:23	09/14/24 02:28	1
2-Fluorophenol (Surr)	28		16 - 80	09/13/24 11:23	09/14/24 02:28	1
Nitrobenzene-d5 (Surr)	67		51 - 145	09/13/24 11:23	09/14/24 02:28	1
Phenol-d5 (Surr)	20		10 - 56	09/13/24 11:23	09/14/24 02:28	1
Terphenyl-d14 (Surr)	56		13 - 159	09/13/24 11:23	09/14/24 02:28	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		09/14/24 11:29	09/16/24 23:33	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:33	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:33	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:33	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:33	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:33	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:33	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:33	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:33	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:33	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:33	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:33	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:33	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:33	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	112		30 - 131	09/14/24 11:29	09/16/24 23:33	1
DCB Decachlorobiphenyl	109		30 - 131	09/14/24 11:29	09/16/24 23:33	1
Tetrachloro-m-xylene	112		34 - 120	09/14/24 11:29	09/16/24 23:33	1
Tetrachloro-m-xylene	103		34 - 120	09/14/24 11:29	09/16/24 23:33	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		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:19	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:19	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-2

Lab Sample ID: 460-311253-2

Date Collected: 09/12/24 12:30

Matrix: Water

Date Received: 09/12/24 19:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		18 - 145	09/14/24 11:42	09/16/24 12:19	1
DCB Decachlorobiphenyl	90		18 - 145	09/14/24 11:42	09/16/24 12:19	1
Tetrachloro-m-xylene	90		21 - 124	09/14/24 11:42	09/16/24 12:19	1
Tetrachloro-m-xylene	87		21 - 124	09/14/24 11:42	09/16/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 12:32	1
Barium	152		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 12:32	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 12:32	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 12:32	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 12:32	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 12:32	1
Lead	1.1	J	1.2	0.42	ug/L		09/13/24 22:35	09/16/24 12:32	1
Manganese	76.0		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 12:32	1
Nickel	1.4	J	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 12:32	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 12:32	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 12:32	1
Zinc	8.5	J	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 12:32	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		09/16/24 23:41	09/17/24 19:32	1
Antimony	1.8	J	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 00:52	1
Arsenic	4.5		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 00:52	1
Barium	133		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 00:52	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 00:52	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 00:52	1
Calcium	111000		500	31.7	ug/L		09/16/24 23:41	09/17/24 00:52	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 00:52	1
Cobalt	0.56	J	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 00:52	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 00:52	1
Iron	449		120	33.7	ug/L		09/16/24 23:41	09/17/24 00:52	1
Lead	2.0		1.2	0.42	ug/L		09/16/24 23:41	09/17/24 00:52	1
Magnesium	14100		200	21.8	ug/L		09/16/24 23:41	09/17/24 00:52	1
Manganese	54.6		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 00:52	1
Nickel	1.9	J	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 00:52	1
Potassium	5710		200	83.3	ug/L		09/16/24 23:41	09/17/24 00:52	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 00:52	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 00:52	1
Sodium	28200		500	180	ug/L		09/16/24 23:41	09/17/24 00:52	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 00:52	1
Vanadium	1.2	J	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 00:52	1
Zinc	77.4		16.0	4.2	ug/L		09/16/24 23:41	09/17/24 00:52	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		09/13/24 11:44	09/13/24 14:59	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-2

Lab Sample ID: 460-311253-2

Date Collected: 09/12/24 12:30

Matrix: Water

Date Received: 09/12/24 19:00

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 15:26	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			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:27	1

Client Sample ID: RXTW-6

Lab Sample ID: 460-311253-3

Date Collected: 09/12/24 13:45

Matrix: Water

Date Received: 09/12/24 19:00

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			09/16/24 01:45	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 01:45	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 01:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 01:45	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 01:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 01:45	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 01:45	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 01:45	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 01:45	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 01:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 01:45	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 01:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 01:45	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 01:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 01:45	1
Methylene Chloride	0.35	J B	1.0	0.32	ug/L			09/16/24 01:45	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 01:45	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:45	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 01:45	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 01:45	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 01:45	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 01:45	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 01:45	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 01:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 01:45	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 01:45	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 01:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 01:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 128		09/16/24 01:45	1
4-Bromofluorobenzene	108		76 - 120		09/16/24 01:45	1
Dibromofluoromethane (Surr)	98		77 - 132		09/16/24 01:45	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-6

Lab Sample ID: 460-311253-3

Date Collected: 09/12/24 13:45

Matrix: Water

Date Received: 09/12/24 19:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		09/16/24 01:45	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		09/13/24 09:09	09/15/24 15:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	27		10 - 150				09/13/24 09:09	09/15/24 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 02:48	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 02:48	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:48	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 02:48	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 02:48	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 02:48	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 02:48	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 02:48	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 02:48	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 02:48	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 02:48	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 02:48	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 02:48	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 02:48	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 02:48	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 02:48	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 02:48	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	47		37 - 150	09/13/24 11:23	09/14/24 02:48	1
2-Fluorobiphenyl	55		46 - 139	09/13/24 11:23	09/14/24 02:48	1
2-Fluorophenol (Surr)	26		16 - 80	09/13/24 11:23	09/14/24 02:48	1
Nitrobenzene-d5 (Surr)	58		51 - 145	09/13/24 11:23	09/14/24 02:48	1
Phenol-d5 (Surr)	19		10 - 56	09/13/24 11:23	09/14/24 02:48	1
Terphenyl-d14 (Surr)	36		13 - 159	09/13/24 11:23	09/14/24 02:48	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		09/14/24 11:29	09/16/24 23:46	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:46	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:46	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:46	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:46	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:46	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-6

Lab Sample ID: 460-311253-3

Date Collected: 09/12/24 13:45

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:46	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:46	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:46	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:46	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:46	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:46	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:46	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:46	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	128		30 - 131	09/14/24 11:29	09/16/24 23:46	1
DCB Decachlorobiphenyl	138	*	30 - 131	09/14/24 11:29	09/16/24 23:46	1
Tetrachloro-m-xylene	123	*	34 - 120	09/14/24 11:29	09/16/24 23:46	1
Tetrachloro-m-xylene	123	*	34 - 120	09/14/24 11:29	09/16/24 23:46	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		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 12:42	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	110		18 - 145	09/14/24 11:42	09/16/24 12:42	1
DCB Decachlorobiphenyl	96		18 - 145	09/14/24 11:42	09/16/24 12:42	1
Tetrachloro-m-xylene	95		21 - 124	09/14/24 11:42	09/16/24 12:42	1
Tetrachloro-m-xylene	91		21 - 124	09/14/24 11:42	09/16/24 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 12:35	1
Barium	143		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 12:35	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 12:35	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 12:35	1
Chromium	4.0	U	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 12:35	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 12:35	1
Lead	6.3		1.2	0.42	ug/L		09/13/24 22:35	09/16/24 12:35	1
Manganese	41.4		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 12:35	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: RXTW-6

Lab Sample ID: 460-311253-3

Date Collected: 09/12/24 13:45

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	2.2	J	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 12:35	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 12:35	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 12:35	1
Zinc	89.2		16.0	4.2	ug/L		09/13/24 22:35	09/16/24 12:35	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		09/16/24 23:41	09/17/24 19:34	1
Antimony	0.78	J	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 19:34	1
Arsenic	3.3		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 19:34	1
Barium	165		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 19:34	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 19:34	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 19:34	1
Calcium	94900		500	31.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 19:34	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 19:34	1
Iron	222		120	33.7	ug/L		09/16/24 23:41	09/17/24 19:34	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 19:34	1
Magnesium	73300		200	21.8	ug/L		09/16/24 23:41	09/17/24 19:34	1
Manganese	69.5		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 19:34	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 19:34	1
Potassium	20900		200	83.3	ug/L		09/16/24 23:41	09/17/24 19:34	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 19:34	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 19:34	1
Sodium	358000		500	180	ug/L		09/16/24 23:41	09/17/24 19:34	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 19:34	1
Vanadium	1.0	J	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 19:34	1
Zinc	5.0	J	16.0	4.2	ug/L		09/16/24 23:41	09/17/24 19:34	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		09/13/24 11:44	09/13/24 15:01	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 15:28	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			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:28	1

Client Sample ID: TB_09122024

Lab Sample ID: 460-311253-4

Date Collected: 09/12/24 13:45

Matrix: Water

Date Received: 09/12/24 19:00

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			09/15/24 23:45	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: TB_09122024

Lab Sample ID: 460-311253-4

Date Collected: 09/12/24 13:45

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/15/24 23:45	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/15/24 23:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 23:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/15/24 23:45	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/15/24 23:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/15/24 23:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/15/24 23:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/15/24 23:45	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/15/24 23:45	1
Acetone	5.0	U	5.0	4.4	ug/L			09/15/24 23:45	1
Benzene	1.0	U	1.0	0.20	ug/L			09/15/24 23:45	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/15/24 23:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/15/24 23:45	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/15/24 23:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/15/24 23:45	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/15/24 23:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/15/24 23:45	1
Methylene Chloride	0.74	J B	1.0	0.32	ug/L			09/15/24 23:45	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/15/24 23:45	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 23:45	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 23:45	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/15/24 23:45	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 23:45	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/15/24 23:45	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/15/24 23:45	1
Toluene	1.0	U	1.0	0.38	ug/L			09/15/24 23:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/15/24 23:45	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/15/24 23:45	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/15/24 23:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/15/24 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 128		09/15/24 23:45	1
4-Bromofluorobenzene	108		76 - 120		09/15/24 23:45	1
Dibromofluoromethane (Surr)	100		77 - 132		09/15/24 23:45	1
Toluene-d8 (Surr)	93		80 - 120		09/15/24 23:45	1

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00

Matrix: Water

Date Received: 09/12/24 19:00

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			09/16/24 02:05	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 02:05	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 02:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 02:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 02:05	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 02:05	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 02:05	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 02:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 02:05	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 02:05	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 02:05	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 02:05	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 02:05	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 02:05	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 02:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 02:05	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 02:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 02:05	1
Methylene Chloride	0.35	J B	1.0	0.32	ug/L			09/16/24 02:05	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 02:05	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 02:05	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 02:05	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 02:05	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 02:05	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 02:05	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 02:05	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 02:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 02:05	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 02:05	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 02:05	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 128		09/16/24 02:05	1
4-Bromofluorobenzene	108		76 - 120		09/16/24 02:05	1
Dibromofluoromethane (Surr)	100		77 - 132		09/16/24 02:05	1
Toluene-d8 (Surr)	92		80 - 120		09/16/24 02:05	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		09/13/24 09:09	09/15/24 16:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		10 - 150				09/13/24 09:09	09/15/24 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:23	09/14/24 03:09	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:23	09/14/24 03:09	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 03:09	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:23	09/14/24 03:09	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:23	09/14/24 03:09	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:23	09/14/24 03:09	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:23	09/14/24 03:09	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:23	09/14/24 03:09	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:23	09/14/24 03:09	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:23	09/14/24 03:09	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:23	09/14/24 03:09	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:23	09/14/24 03:09	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:23	09/14/24 03:09	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:23	09/14/24 03:09	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:23	09/14/24 03:09	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:23	09/14/24 03:09	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:23	09/14/24 03:09	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:23	09/14/24 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		37 - 150	09/13/24 11:23	09/14/24 03:09	1
2-Fluorobiphenyl	69		46 - 139	09/13/24 11:23	09/14/24 03:09	1
2-Fluorophenol (Surr)	30		16 - 80	09/13/24 11:23	09/14/24 03:09	1
Nitrobenzene-d5 (Surr)	68		51 - 145	09/13/24 11:23	09/14/24 03:09	1
Phenol-d5 (Surr)	22		10 - 56	09/13/24 11:23	09/14/24 03:09	1
Terphenyl-d14 (Surr)	48		13 - 159	09/13/24 11:23	09/14/24 03:09	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		09/14/24 11:29	09/16/24 23:58	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:58	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:58	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 23:58	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 23:58	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 23:58	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:58	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:58	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endosulfan I	0.020	U *	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:58	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 23:58	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 23:58	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 23:58	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 23:58	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 23:58	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	134	*	30 - 131	09/14/24 11:29	09/16/24 23:58	1
DCB Decachlorobiphenyl	138	*	30 - 131	09/14/24 11:29	09/16/24 23:58	1
Tetrachloro-m-xylene	125	*	34 - 120	09/14/24 11:29	09/16/24 23:58	1
Tetrachloro-m-xylene	122	*	34 - 120	09/14/24 11:29	09/16/24 23:58	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00

Matrix: Water

Date Received: 09/12/24 19:00

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		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:42	09/16/24 13:04	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:42	09/16/24 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	103		18 - 145	09/14/24 11:42	09/16/24 13:04	1
DCB Decachlorobiphenyl	89		18 - 145	09/14/24 11:42	09/16/24 13:04	1
Tetrachloro-m-xylene	87		21 - 124	09/14/24 11:42	09/16/24 13:04	1
Tetrachloro-m-xylene	83		21 - 124	09/14/24 11:42	09/16/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		2.0	1.2	ug/L		09/13/24 22:35	09/16/24 12:37	1
Barium	142		4.0	0.93	ug/L		09/13/24 22:35	09/16/24 12:37	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/13/24 22:35	09/16/24 12:37	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/13/24 22:35	09/16/24 12:37	1
Chromium	2.4	J	4.0	1.7	ug/L		09/13/24 22:35	09/16/24 12:37	1
Copper	4.0	U	4.0	2.0	ug/L		09/13/24 22:35	09/16/24 12:37	1
Lead	1.5		1.2	0.42	ug/L		09/13/24 22:35	09/16/24 12:37	1
Manganese	80.4		8.0	0.84	ug/L		09/13/24 22:35	09/16/24 12:37	1
Nickel	1.6	J	4.0	1.4	ug/L		09/13/24 22:35	09/16/24 12:37	1
Selenium	2.5	U	2.5	0.43	ug/L		09/13/24 22:35	09/16/24 12:37	1
Silver	2.0	U	2.0	1.3	ug/L		09/13/24 22:35	09/16/24 12:37	1
Zinc	10.2	J	16.0	4.2	ug/L		09/13/24 22:35	09/16/24 12:37	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		09/16/24 23:41	09/17/24 19:37	1
Antimony	0.93	J	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 01:06	1
Arsenic	3.3		2.0	1.2	ug/L		09/16/24 23:41	09/17/24 01:06	1
Barium	168		4.0	0.93	ug/L		09/16/24 23:41	09/17/24 01:06	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 01:06	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 01:06	1
Calcium	92200		500	31.7	ug/L		09/16/24 23:41	09/17/24 01:06	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 01:06	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 01:06	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 01:06	1
Iron	237		120	33.7	ug/L		09/16/24 23:41	09/17/24 01:06	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 01:06	1
Magnesium	73300		200	21.8	ug/L		09/16/24 23:41	09/17/24 01:06	1
Manganese	70.4		8.0	0.84	ug/L		09/16/24 23:41	09/17/24 01:06	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 01:06	1
Potassium	21000		200	83.3	ug/L		09/16/24 23:41	09/17/24 01:06	1

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Client Sample Results

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

Job ID: 460-311253-1

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00

Matrix: Water

Date Received: 09/12/24 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 01:06	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 01:06	1
Sodium	345000		500	180	ug/L		09/16/24 23:41	09/17/24 01:06	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 19:37	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 01:06	1
Zinc	7.1	J	16.0	4.2	ug/L		09/16/24 23:41	09/17/24 01:06	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		09/13/24 11:44	09/13/24 15:02	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 15:30	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			09/17/24 06:48	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			09/13/24 08:40	1
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:29	1

Surrogate Summary

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

Job ID: 460-311253-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-128)	BFB (76-120)	DBFM (77-132)	TOL (80-120)
460-311253-1	RXTW-3	100	111	102	92
460-311253-2	RXTW-2	101	109	101	92
460-311253-3	RXTW-6	100	108	98	93
460-311253-4	TB_09122024	98	108	100	93
460-311253-5	Dup_09122024	101	108	100	92
LCS 460-996003/4	Lab Control Sample	98	99	99	97
LCS 460-996032/6	Lab Control Sample	100	103	101	98
LCSD 460-996003/5	Lab Control Sample Dup	97	103	99	98
LCSD 460-996032/21	Lab Control Sample Dup	98	103	101	94
MB 460-996003/10	Method Blank	97	105	98	100
MB 460-996032/11	Method Blank	99	111	101	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (37-150)	FBP (46-139)	2FP (16-80)	NBZ (51-145)	PHL (10-56)	TPHL (13-159)
460-311201-D-1-A MS	Matrix Spike	88	72	50	72	37	48
460-311201-D-1-B MSD	Matrix Spike Duplicate	83	73	40	76	28	63
460-311253-1	RXTW-3	80	66	50	68	37	48
460-311253-2	RXTW-2	54	67	28	67	20	56
460-311253-3	RXTW-6	47	55	26	58	19	36
460-311253-5	Dup_09122024	57	69	30	68	22	48
LCS 460-995677/2-A	Lab Control Sample	91	84	49	79	36	80
LCSD 460-995677/3-A	Lab Control Sample Dup	93	81	49	80	36	82
MB 460-995677/1-A	Method Blank	82	63	57	71	44	62

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (30-131)	DCBP2 (30-131)	TCX1 (34-120)	TCX2 (34-120)
460-311253-1	RXTW-3	128	122	118	119
460-311253-2	RXTW-2	109	112	103	112
460-311253-3	RXTW-6	138 *	128	123 *	123 *

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Surrogate Summary

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

Job ID: 460-311253-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (30-131)	DCBP2 (30-131)	TCX1 (34-120)	TCX2 (34-120)
460-311253-5	Dup_09122024	138 *	134 *	122 *	125 *
LCS 460-995875/2-A	Lab Control Sample	89	81	98	81
LCSD 460-995875/3-A	Lab Control Sample Dup	95	87	107	88
MB 460-995872/1-B	Method Blank	157 *	128	143 *	124 *
MB 460-995875/1-A	Method Blank	99	91	95	92

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (18-145)	DCBP2 (18-145)	TCX1 (21-124)	TCX2 (21-124)
460-311253-1	RXTW-3	89	101	84	88
460-311253-2	RXTW-2	90	102	87	90
460-311253-3	RXTW-6	96	110	91	95
460-311253-5	Dup_09122024	89	103	83	87
460-311357-I-2-B MS	Matrix Spike	99	118	95	101
460-311357-Q-2-B MSD	Matrix Spike Duplicate	89	105	87	89
LCS 460-995877/2-A	Lab Control Sample	106	123	106	107
LCSD 460-995877/3-A	Lab Control Sample Dup	103	116	103	106
MB 460-995877/1-A	Method Blank	101	114	99	104

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: 460-311253-1

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

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE	
		(10-150)	
460-311253-1	RXTW-3	26	
460-311253-2	RXTW-2	28	
460-311253-3	RXTW-6	27	
460-311253-5	Dup_09122024	32	
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

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: MB 460-996003/10

Matrix: Water

Analysis Batch: 996003

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			09/15/24 22:46	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/15/24 22:46	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/15/24 22:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 22:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/15/24 22:46	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/15/24 22:46	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/15/24 22:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/15/24 22:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/15/24 22:46	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/15/24 22:46	1
Acetone	5.0	U	5.0	4.4	ug/L			09/15/24 22:46	1
Benzene	1.0	U	1.0	0.20	ug/L			09/15/24 22:46	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/15/24 22:46	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/15/24 22:46	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/15/24 22:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/15/24 22:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/15/24 22:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/15/24 22:46	1
Methylene Chloride	0.329	J	1.0	0.32	ug/L			09/15/24 22:46	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/15/24 22:46	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 22:46	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/15/24 22:46	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/15/24 22:46	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/15/24 22:46	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/15/24 22:46	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/15/24 22:46	1
Toluene	1.0	U	1.0	0.38	ug/L			09/15/24 22:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/15/24 22:46	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/15/24 22:46	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/15/24 22:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/15/24 22:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 128		09/15/24 22:46	1
4-Bromofluorobenzene	105		76 - 120		09/15/24 22:46	1
Dibromofluoromethane (Surr)	98		77 - 132		09/15/24 22:46	1
Toluene-d8 (Surr)	100		80 - 120		09/15/24 22:46	1

Lab Sample ID: LCS 460-996003/4

Matrix: Water

Analysis Batch: 996003

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	21.3		ug/L		107	72 - 128
1,1-Dichloroethane	20.0	21.7		ug/L		109	73 - 130
1,1-Dichloroethene	20.0	21.6		ug/L		108	68 - 133
1,2,4-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125
1,2-Dichlorobenzene	20.0	22.4		ug/L		112	80 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCS 460-996003/4

Matrix: Water

Analysis Batch: 996003

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	20.8		ug/L		104	66 - 129
1,3,5-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125
1,3-Dichlorobenzene	20.0	22.8		ug/L		114	80 - 120
1,4-Dichlorobenzene	20.0	22.6		ug/L		113	80 - 120
2-Butanone (MEK)	100	108		ug/L		108	65 - 142
Acetone	100	102		ug/L		102	60 - 133
Benzene	20.0	21.3		ug/L		107	71 - 126
Carbon tetrachloride	20.0	22.4		ug/L		112	65 - 131
Chlorobenzene	20.0	21.9		ug/L		109	80 - 120
Chloroform	20.0	21.8		ug/L		109	78 - 125
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	78 - 121
Ethylbenzene	20.0	21.7		ug/L		108	78 - 120
Methyl tert-butyl ether	20.0	21.0		ug/L		105	72 - 131
Methylene Chloride	20.0	20.0		ug/L		100	74 - 127
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120
n-Butylbenzene	20.0	23.1		ug/L		116	69 - 135
N-Propylbenzene	20.0	22.4		ug/L		112	68 - 129
o-Xylene	20.0	22.3		ug/L		111	78 - 120
sec-Butylbenzene	20.0	23.3		ug/L		117	77 - 129
tert-Butylbenzene	20.0	23.3		ug/L		116	78 - 120
Tetrachloroethene	20.0	21.5		ug/L		107	70 - 127
Toluene	20.0	21.0		ug/L		105	78 - 120
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	70 - 126
Trichloroethene	20.0	21.2		ug/L		106	73 - 121
Vinyl chloride	20.0	21.3		ug/L		107	55 - 144
Xylenes, Total	40.0	44.3		ug/L		111	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 128
4-Bromofluorobenzene	99		76 - 120
Dibromofluoromethane (Surr)	99		77 - 132
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 460-996003/5

Matrix: Water

Analysis Batch: 996003

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.1		ug/L		106	72 - 128	1	30
1,1-Dichloroethane	20.0	21.2		ug/L		106	73 - 130	3	30
1,1-Dichloroethene	20.0	20.9		ug/L		104	68 - 133	3	30
1,2,4-Trimethylbenzene	20.0	21.5		ug/L		107	75 - 125	4	30
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120	5	30
1,2-Dichloroethane	20.0	20.4		ug/L		102	66 - 129	2	30
1,3,5-Trimethylbenzene	20.0	21.5		ug/L		107	75 - 125	4	30
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120	4	30
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120	4	30
2-Butanone (MEK)	100	103		ug/L		103	65 - 142	4	30

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCSD 460-996003/5

Matrix: Water

Analysis Batch: 996003

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	100	93.0		ug/L		93	60 - 133	10	30
Benzene	20.0	20.1		ug/L		101	71 - 126	6	30
Carbon tetrachloride	20.0	21.4		ug/L		107	65 - 131	5	30
Chlorobenzene	20.0	21.1		ug/L		106	80 - 120	3	30
Chloroform	20.0	21.4		ug/L		107	78 - 125	2	30
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	78 - 121	5	30
Ethylbenzene	20.0	21.3		ug/L		107	78 - 120	2	30
Methyl tert-butyl ether	20.0	20.3		ug/L		101	72 - 131	3	30
Methylene Chloride	20.0	19.2		ug/L		96	74 - 127	4	30
m-Xylene & p-Xylene	20.0	21.5		ug/L		108	78 - 120	2	30
n-Butylbenzene	20.0	21.6		ug/L		108	69 - 135	7	30
N-Propylbenzene	20.0	21.8		ug/L		109	68 - 129	3	30
o-Xylene	20.0	21.8		ug/L		109	78 - 120	2	30
sec-Butylbenzene	20.0	22.1		ug/L		111	77 - 129	5	30
tert-Butylbenzene	20.0	22.0		ug/L		110	78 - 120	6	30
Tetrachloroethene	20.0	20.8		ug/L		104	70 - 127	3	30
Toluene	20.0	20.4		ug/L		102	78 - 120	3	30
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	70 - 126	3	30
Trichloroethene	20.0	20.2		ug/L		101	73 - 121	5	30
Vinyl chloride	20.0	21.2		ug/L		106	55 - 144	0	30
Xylenes, Total	40.0	43.3		ug/L		108	80 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 128
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	99		77 - 132
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 460-996032/11

Matrix: Water

Analysis Batch: 996032

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			09/16/24 10:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/16/24 10:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/16/24 10:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 10:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/16/24 10:32	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/16/24 10:32	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/16/24 10:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/16/24 10:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/16/24 10:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/16/24 10:32	1
Acetone	5.0	U	5.0	4.4	ug/L			09/16/24 10:32	1
Benzene	1.0	U	1.0	0.20	ug/L			09/16/24 10:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/16/24 10:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/16/24 10:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/16/24 10:32	1

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: MB 460-996032/11

Matrix: Water

Analysis Batch: 996032

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/16/24 10:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/16/24 10:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/16/24 10:32	1
Methylene Chloride	0.353	J	1.0	0.32	ug/L			09/16/24 10:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/16/24 10:32	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 10:32	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/16/24 10:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/16/24 10:32	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/16/24 10:32	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/16/24 10:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/16/24 10:32	1
Toluene	1.0	U	1.0	0.38	ug/L			09/16/24 10:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/16/24 10:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/16/24 10:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/16/24 10:32	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/16/24 10:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 128		09/16/24 10:32	1
4-Bromofluorobenzene	111		76 - 120		09/16/24 10:32	1
Dibromofluoromethane (Surr)	101		77 - 132		09/16/24 10:32	1
Toluene-d8 (Surr)	92		80 - 120		09/16/24 10:32	1

Lab Sample ID: LCS 460-996032/6

Matrix: Water

Analysis Batch: 996032

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	18.3		ug/L		91	72 - 128
1,1-Dichloroethane	20.0	18.5		ug/L		93	73 - 130
1,1-Dichloroethene	20.0	18.3		ug/L		92	68 - 133
1,2,4-Trimethylbenzene	20.0	19.2		ug/L		96	75 - 125
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	18.0		ug/L		90	66 - 129
1,3,5-Trimethylbenzene	20.0	18.7		ug/L		93	75 - 125
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
2-Butanone (MEK)	100	88.8		ug/L		89	65 - 142
Acetone	100	94.4		ug/L		94	60 - 133
Benzene	20.0	17.9		ug/L		90	71 - 126
Carbon tetrachloride	20.0	19.9		ug/L		99	65 - 131
Chlorobenzene	20.0	18.5		ug/L		92	80 - 120
Chloroform	20.0	18.7		ug/L		93	78 - 125
cis-1,2-Dichloroethene	20.0	18.4		ug/L		92	78 - 121
Ethylbenzene	20.0	18.5		ug/L		92	78 - 120
Methyl tert-butyl ether	20.0	17.9		ug/L		90	72 - 131
Methylene Chloride	20.0	17.2		ug/L		86	74 - 127
m-Xylene & p-Xylene	20.0	18.5		ug/L		93	78 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCS 460-996032/6

Matrix: Water

Analysis Batch: 996032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Butylbenzene	20.0	19.5		ug/L		97	69 - 135
N-Propylbenzene	20.0	18.7		ug/L		93	68 - 129
o-Xylene	20.0	19.2		ug/L		96	78 - 120
sec-Butylbenzene	20.0	19.2		ug/L		96	77 - 129
tert-Butylbenzene	20.0	19.5		ug/L		98	78 - 120
Tetrachloroethene	20.0	18.4		ug/L		92	70 - 127
Toluene	20.0	17.5		ug/L		88	78 - 120
trans-1,2-Dichloroethene	20.0	18.7		ug/L		94	70 - 126
Trichloroethene	20.0	17.8		ug/L		89	73 - 121
Vinyl chloride	20.0	18.3		ug/L		92	55 - 144
Xylenes, Total	40.0	37.7		ug/L		94	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 128
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	101		77 - 132
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 460-996032/21

Matrix: Water

Analysis Batch: 996032

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	72 - 128	9	30
1,1-Dichloroethane	20.0	19.8		ug/L		99	73 - 130	6	30
1,1-Dichloroethene	20.0	21.2		ug/L		106	68 - 133	15	30
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		104	75 - 125	8	30
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120	9	30
1,2-Dichloroethane	20.0	19.7		ug/L		98	66 - 129	9	30
1,3,5-Trimethylbenzene	20.0	20.4		ug/L		102	75 - 125	9	30
1,3-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120	12	30
1,4-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 120	10	30
2-Butanone (MEK)	100	108		ug/L		108	65 - 142	19	30
Acetone	100	108		ug/L		108	60 - 133	13	30
Benzene	20.0	17.7		ug/L		89	71 - 126	1	30
Carbon tetrachloride	20.0	21.3		ug/L		106	65 - 131	7	30
Chlorobenzene	20.0	20.3		ug/L		102	80 - 120	10	30
Chloroform	20.0	20.3		ug/L		102	78 - 125	9	30
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	78 - 121	13	30
Ethylbenzene	20.0	20.5		ug/L		102	78 - 120	10	30
Methyl tert-butyl ether	20.0	19.8		ug/L		99	72 - 131	10	30
Methylene Chloride	20.0	19.9		ug/L		99	74 - 127	14	30
m-Xylene & p-Xylene	20.0	20.3		ug/L		102	78 - 120	9	30
n-Butylbenzene	20.0	20.6		ug/L		103	69 - 135	5	30
N-Propylbenzene	20.0	20.8		ug/L		104	68 - 129	11	30
o-Xylene	20.0	20.7		ug/L		103	78 - 120	8	30
sec-Butylbenzene	20.0	21.2		ug/L		106	77 - 129	10	30
tert-Butylbenzene	20.0	21.4		ug/L		107	78 - 120	9	30

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCSD 460-996032/21

Matrix: Water

Analysis Batch: 996032

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	20.0	20.0		ug/L		100	70 - 127	9	30
Toluene	20.0	18.4		ug/L		92	78 - 120	5	30
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	70 - 126	6	30
Trichloroethene	20.0	19.6		ug/L		98	73 - 121	10	30
Vinyl chloride	20.0	22.3		ug/L		112	55 - 144	20	30
Xylenes, Total	40.0	41.0		ug/L		103	80 - 120	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 128
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	101		77 - 132
Toluene-d8 (Surr)	94		80 - 120

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

Lab Sample ID: MB 460-995677/1-A

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		09/13/24 11:22	09/13/24 19:17	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		09/13/24 11:22	09/13/24 19:17	1
Acenaphthene	10	U	10	1.1	ug/L		09/13/24 11:22	09/13/24 19:17	1
Acenaphthylene	10	U	10	0.82	ug/L		09/13/24 11:22	09/13/24 19:17	1
Anthracene	10	U	10	1.3	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		09/13/24 11:22	09/13/24 19:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		09/13/24 11:22	09/13/24 19:17	1
Chrysene	2.0	U	2.0	0.91	ug/L		09/13/24 11:22	09/13/24 19:17	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		09/13/24 11:22	09/13/24 19:17	1
Dibenzofuran	10	U	10	1.1	ug/L		09/13/24 11:22	09/13/24 19:17	1
Fluoranthene	10	U	10	0.84	ug/L		09/13/24 11:22	09/13/24 19:17	1
Fluorene	10	U	10	0.91	ug/L		09/13/24 11:22	09/13/24 19:17	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		09/13/24 11:22	09/13/24 19:17	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		09/13/24 11:22	09/13/24 19:17	1
Naphthalene	2.0	U	2.0	0.54	ug/L		09/13/24 11:22	09/13/24 19:17	1
Pentachlorophenol	20	U	20	1.4	ug/L		09/13/24 11:22	09/13/24 19:17	1
Phenanthrene	10	U	10	1.3	ug/L		09/13/24 11:22	09/13/24 19:17	1
Phenol	10	U	10	0.29	ug/L		09/13/24 11:22	09/13/24 19:17	1
Pyrene	10	U	10	1.6	ug/L		09/13/24 11:22	09/13/24 19:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		37 - 150	09/13/24 11:22	09/13/24 19:17	1
2-Fluorobiphenyl	63		46 - 139	09/13/24 11:22	09/13/24 19:17	1
2-Fluorophenol (Surr)	57		16 - 80	09/13/24 11:22	09/13/24 19:17	1
Nitrobenzene-d5 (Surr)	71		51 - 145	09/13/24 11:22	09/13/24 19:17	1

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: MB 460-995677/1-A

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995677

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	44		10 - 56	09/13/24 11:22	09/13/24 19:17	1
Terphenyl-d14 (Surr)	62		13 - 159	09/13/24 11:22	09/13/24 19:17	1

Lab Sample ID: LCS 460-995677/2-A

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	80.0	56.0		ug/L		70	35 - 120
3 & 4 Methylphenol	80.0	47.7		ug/L		60	27 - 120
Acenaphthene	80.0	74.9		ug/L		94	62 - 127
Acenaphthylene	80.0	83.1		ug/L		104	58 - 122
Anthracene	80.0	78.3		ug/L		98	67 - 127
Benzo[a]anthracene	80.0	78.9		ug/L		99	71 - 131
Benzo[a]pyrene	80.0	91.8		ug/L		115	75 - 148
Benzo[b]fluoranthene	80.0	86.8		ug/L		109	70 - 140
Benzo[g,h,i]perylene	80.0	97.2		ug/L		121	52 - 143
Benzo[k]fluoranthene	80.0	85.3		ug/L		107	71 - 140
Chrysene	80.0	77.1		ug/L		96	70 - 132
Dibenz(a,h)anthracene	80.0	89.1		ug/L		111	53 - 150
Dibenzofuran	80.0	76.5		ug/L		96	64 - 125
Fluoranthene	80.0	84.6		ug/L		106	69 - 137
Fluorene	80.0	76.8		ug/L		96	67 - 125
Hexachlorobenzene	80.0	83.6		ug/L		105	62 - 135
Indeno[1,2,3-cd]pyrene	80.0	92.0		ug/L		115	59 - 150
Naphthalene	80.0	74.8		ug/L		94	39 - 126
Pentachlorophenol	160	169		ug/L		106	60 - 140
Phenanthrene	80.0	77.6		ug/L		97	68 - 126
Phenol	80.0	37.2		ug/L		46	10 - 80
Pyrene	80.0	73.6		ug/L		92	60 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		37 - 150
2-Fluorobiphenyl	84		46 - 139
2-Fluorophenol (Surr)	49		16 - 80
Nitrobenzene-d5 (Surr)	79		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	80		13 - 159

Lab Sample ID: LCSD 460-995677/3-A

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	80.0	54.2		ug/L		68	35 - 120	3	30
3 & 4 Methylphenol	80.0	46.6		ug/L		58	27 - 120	2	30
Acenaphthene	80.0	74.2		ug/L		93	62 - 127	1	30
Acenaphthylene	80.0	82.0		ug/L		103	58 - 122	1	30

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCSD 460-995677/3-A

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	80.0	77.3		ug/L		97	67 - 127	1	30
Benzo[a]anthracene	80.0	79.9		ug/L		100	71 - 131	1	30
Benzo[a]pyrene	80.0	90.9		ug/L		114	75 - 148	1	30
Benzo[b]fluoranthene	80.0	84.8		ug/L		106	70 - 140	2	30
Benzo[g,h,i]perylene	80.0	95.3		ug/L		119	52 - 143	2	30
Benzo[k]fluoranthene	80.0	82.9		ug/L		104	71 - 140	3	30
Chrysene	80.0	77.4		ug/L		97	70 - 132	0	30
Dibenz(a,h)anthracene	80.0	85.1		ug/L		106	53 - 150	5	30
Dibenzofuran	80.0	76.4		ug/L		95	64 - 125	0	30
Fluoranthene	80.0	84.7		ug/L		106	69 - 137	0	30
Fluorene	80.0	76.8		ug/L		96	67 - 125	0	30
Hexachlorobenzene	80.0	84.5		ug/L		106	62 - 135	1	30
Indeno[1,2,3-cd]pyrene	80.0	91.4		ug/L		114	59 - 150	1	30
Naphthalene	80.0	75.4		ug/L		94	39 - 126	1	30
Pentachlorophenol	160	167		ug/L		105	60 - 140	1	30
Phenanthrene	80.0	76.0		ug/L		95	68 - 126	2	30
Phenol	80.0	37.2		ug/L		46	10 - 80	0	30
Pyrene	80.0	75.4		ug/L		94	60 - 137	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		37 - 150
2-Fluorobiphenyl	81		46 - 139
2-Fluorophenol (Surr)	49		16 - 80
Nitrobenzene-d5 (Surr)	80		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	82		13 - 159

Lab Sample ID: 460-311201-D-1-A MS

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 995677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	10	U	40.0	33.0		ug/L		82	35 - 120
3 & 4 Methylphenol	10	U	40.0	28.2		ug/L		70	27 - 120
Acenaphthene	10	U	40.0	40.3		ug/L		101	62 - 127
Acenaphthylene	10	U	40.0	43.8		ug/L		109	58 - 122
Anthracene	10	U	40.0	41.2		ug/L		103	67 - 127
Benzo[a]anthracene	1.0	U	40.0	41.7		ug/L		104	71 - 131
Benzo[a]pyrene	1.0	U	40.0	45.2		ug/L		113	75 - 148
Benzo[b]fluoranthene	2.0	U	40.0	41.9		ug/L		105	70 - 140
Benzo[g,h,i]perylene	10	U	40.0	47.1		ug/L		118	52 - 143
Benzo[k]fluoranthene	1.0	U	40.0	44.9		ug/L		112	71 - 140
Chrysene	2.0	U	40.0	40.7		ug/L		102	70 - 132
Dibenz(a,h)anthracene	1.0	U	40.0	41.8		ug/L		104	53 - 150
Dibenzofuran	10	U	40.0	41.1		ug/L		103	64 - 125
Fluoranthene	10	U	40.0	43.7		ug/L		109	69 - 137
Fluorene	10	U	40.0	41.3		ug/L		103	67 - 125
Hexachlorobenzene	1.0	U	40.0	44.9		ug/L		112	62 - 135

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: 460-311201-D-1-A MS

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 995677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	43.7		ug/L		109	59 - 150
Naphthalene	2.0	U	40.0	37.9		ug/L		95	39 - 126
Pentachlorophenol	20	U	80.0	88.8		ug/L		111	60 - 140
Phenanthrene	10	U	40.0	40.3		ug/L		101	68 - 126
Phenol	10	U	40.0	19.8		ug/L		49	10 - 80
Pyrene	10	U	40.0	39.4		ug/L		98	60 - 137

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		37 - 150
2-Fluorobiphenyl	72		46 - 139
2-Fluorophenol (Surr)	50		16 - 80
Nitrobenzene-d5 (Surr)	72		51 - 145
Phenol-d5 (Surr)	37		10 - 56
Terphenyl-d14 (Surr)	48		13 - 159

Lab Sample ID: 460-311201-D-1-B MSD

Matrix: Water

Analysis Batch: 995765

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 995677

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	10	U	40.0	25.7		ug/L		64	35 - 120	25	30
3 & 4 Methylphenol	10	U	40.0	22.4		ug/L		56	27 - 120	23	30
Acenaphthene	10	U	40.0	38.4		ug/L		96	62 - 127	5	30
Acenaphthylene	10	U	40.0	42.4		ug/L		106	58 - 122	3	30
Anthracene	10	U	40.0	40.4		ug/L		101	67 - 127	2	30
Benzo[a]anthracene	1.0	U	40.0	40.0		ug/L		100	71 - 131	4	30
Benzo[a]pyrene	1.0	U	40.0	44.3		ug/L		111	75 - 148	2	30
Benzo[b]fluoranthene	2.0	U	40.0	42.0		ug/L		105	70 - 140	0	30
Benzo[g,h,i]perylene	10	U	40.0	45.9		ug/L		115	52 - 143	3	30
Benzo[k]fluoranthene	1.0	U	40.0	42.1		ug/L		105	71 - 140	6	30
Chrysene	2.0	U	40.0	38.6		ug/L		96	70 - 132	5	30
Dibenz(a,h)anthracene	1.0	U	40.0	39.5		ug/L		99	53 - 150	6	30
Dibenzofuran	10	U	40.0	39.7		ug/L		99	64 - 125	3	30
Fluoranthene	10	U	40.0	42.1		ug/L		105	69 - 137	4	30
Fluorene	10	U	40.0	39.8		ug/L		99	67 - 125	4	30
Hexachlorobenzene	1.0	U	40.0	43.9		ug/L		110	62 - 135	2	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	42.9		ug/L		107	59 - 150	2	30
Naphthalene	2.0	U	40.0	37.7		ug/L		94	39 - 126	0	30
Pentachlorophenol	20	U	80.0	79.9		ug/L		100	60 - 140	11	30
Phenanthrene	10	U	40.0	39.6		ug/L		99	68 - 126	2	30
Phenol	10	U	40.0	15.8		ug/L		39	10 - 80	22	30
Pyrene	10	U	40.0	38.2		ug/L		95	60 - 137	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	83		37 - 150
2-Fluorobiphenyl	73		46 - 139
2-Fluorophenol (Surr)	40		16 - 80
Nitrobenzene-d5 (Surr)	76		51 - 145

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: 460-311201-D-1-B MSD
Matrix: Water
Analysis Batch: 995765

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 995677

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Phenol-d5 (Surr)	28		10 - 56
Terphenyl-d14 (Surr)	63		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	MB								
	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 21:24	1	
Isotope Dilution	%Recovery	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	LCS	LCS				%Rec	
			Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,4-Dioxane			1.60	1.97		ug/L		123	42 - 142	
Isotope Dilution	%Recovery	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	LCSD	LCSD				%Rec	RPD	
			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane			1.60	2.01		ug/L		126	42 - 142	2	20
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	24		10 - 150								

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995872/1-B
Matrix: Water
Analysis Batch: 996147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995875

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1	
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1	
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1	
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1	
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1	
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1	
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1	
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1	

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: MB 460-995872/1-B

Matrix: Water

Analysis Batch: 996147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 20:29	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:29	09/16/24 20:29	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 20:29	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:29	09/16/24 20:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 20:29	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:29	09/16/24 20:29	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:29	09/16/24 20:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 20:29	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:29	09/16/24 20:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:29	09/16/24 20:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 20:29	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:29	09/16/24 20:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	128		30 - 131	09/14/24 11:29	09/16/24 20:29	1
DCB Decachlorobiphenyl	157	*	30 - 131	09/14/24 11:29	09/16/24 20:29	1
Tetrachloro-m-xylene	124	*	34 - 120	09/14/24 11:29	09/16/24 20:29	1
Tetrachloro-m-xylene	143	*	34 - 120	09/14/24 11:29	09/16/24 20:29	1

Lab Sample ID: MB 460-995875/1-A

Matrix: Water

Analysis Batch: 996147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995875

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		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: MB 460-995875/1-A

Matrix: Water

Analysis Batch: 996147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Aldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:28	09/16/24 19:52	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		09/14/24 11:28	09/16/24 19:52	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:28	09/16/24 19:52	1
beta-BHC	0.020	U	0.020	0.015	ug/L		09/14/24 11:28	09/16/24 19:52	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:28	09/16/24 19:52	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		09/14/24 11:28	09/16/24 19:52	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		09/14/24 11:28	09/16/24 19:52	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:28	09/16/24 19:52	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		09/14/24 11:28	09/16/24 19:52	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		09/14/24 11:28	09/16/24 19:52	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:28	09/16/24 19:52	1
Toxaphene	0.50	U	0.50	0.11	ug/L		09/14/24 11:28	09/16/24 19:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		30 - 131	09/14/24 11:28	09/16/24 19:52	1
DCB Decachlorobiphenyl	99		30 - 131	09/14/24 11:28	09/16/24 19:52	1
Tetrachloro-m-xylene	92		34 - 120	09/14/24 11:28	09/16/24 19:52	1
Tetrachloro-m-xylene	95		34 - 120	09/14/24 11:28	09/16/24 19:52	1

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCS 460-995875/2-A

Matrix: Water

Analysis Batch: 996147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.737		ug/L		92	69 - 138
4,4'-DDD	0.800	0.820		ug/L		102	69 - 138
4,4'-DDE	0.800	0.834		ug/L		104	68 - 130
4,4'-DDE	0.800	0.874		ug/L		109	68 - 130
4,4'-DDT	0.800	0.796		ug/L		100	57 - 1505
4,4'-DDT	0.800	0.890		ug/L		111	57 - 1505
Aldrin	0.800	0.829		ug/L		104	67 - 129
Aldrin	0.800	0.920		ug/L		115	67 - 129
alpha-BHC	0.800	0.769		ug/L		96	70 - 125
alpha-BHC	0.800	0.796		ug/L		100	70 - 125
beta-BHC	0.800	0.721		ug/L		90	70 - 129
beta-BHC	0.800	0.807		ug/L		101	70 - 129
cis-Chlordane	0.800	0.796		ug/L		100	72 - 126
cis-Chlordane	0.800	0.884		ug/L		110	72 - 126
delta-BHC	0.800	0.606		ug/L		76	44 - 120
delta-BHC	0.800	0.637		ug/L		80	44 - 120
Dieldrin	0.800	0.799		ug/L		100	72 - 128
Dieldrin	0.800	0.888		ug/L		111	72 - 128
Endosulfan I	0.800	0.776		ug/L		97	73 - 127
Endosulfan I	0.800	0.943		ug/L		118	73 - 127
Endosulfan II	0.800	0.795		ug/L		99	73 - 134
Endosulfan II	0.800	0.921		ug/L		115	73 - 134
Endosulfan sulfate	0.800	0.682		ug/L		85	61 - 128
Endosulfan sulfate	0.800	0.735		ug/L		92	61 - 128
Endrin	0.800	0.791		ug/L		99	64 - 138
Endrin	0.800	0.892		ug/L		111	64 - 138
Endrin aldehyde	0.800	0.785		ug/L		98	74 - 133
Endrin aldehyde	0.800	0.858		ug/L		107	74 - 133
Endrin ketone	0.800	0.709		ug/L		89	56 - 150
Endrin ketone	0.800	0.787		ug/L		98	56 - 150
gamma-BHC (Lindane)	0.800	0.813		ug/L		102	73 - 132
gamma-BHC (Lindane)	0.800	0.855		ug/L		107	73 - 132
Heptachlor	0.800	0.810		ug/L		101	70 - 134
Heptachlor	0.800	0.902		ug/L		113	70 - 134
Heptachlor epoxide	0.800	0.811		ug/L		101	75 - 126
Heptachlor epoxide	0.800	0.896		ug/L		112	75 - 126
Methoxychlor	0.800	0.775		ug/L		97	49 - 150
Methoxychlor	0.800	0.807		ug/L		101	49 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	81		30 - 131
DCB Decachlorobiphenyl	89		30 - 131
Tetrachloro-m-xylene	81		34 - 120
Tetrachloro-m-xylene	98		34 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCSD 460-995875/3-A

Matrix: Water

Analysis Batch: 996147

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.800	0.817		ug/L		102	69 - 138	10	30
4,4'-DDD	0.800	0.912		ug/L		114	69 - 138	11	30
4,4'-DDE	0.800	0.915		ug/L		114	68 - 130	9	30
4,4'-DDE	0.800	0.974		ug/L		122	68 - 130	11	30
4,4'-DDT	0.800	0.874		ug/L		109	57 - 1505	9	30
4,4'-DDT	0.800	0.980		ug/L		122	57 - 1505	10	30
Aldrin	0.800	0.906		ug/L		113	67 - 129	9	30
Aldrin	0.800	1.01		ug/L		126	67 - 129	9	30
alpha-BHC	0.800	0.842		ug/L		105	70 - 125	9	30
alpha-BHC	0.800	0.870		ug/L		109	70 - 125	9	30
beta-BHC	0.800	0.809		ug/L		101	70 - 129	11	30
beta-BHC	0.800	0.906		ug/L		113	70 - 129	12	30
cis-Chlordane	0.800	0.868		ug/L		109	72 - 126	9	30
cis-Chlordane	0.800	0.979		ug/L		122	72 - 126	10	30
delta-BHC	0.800	0.675		ug/L		84	44 - 120	11	30
delta-BHC	0.800	0.713		ug/L		89	44 - 120	11	30
Dieldrin	0.800	0.877		ug/L		110	72 - 128	9	30
Dieldrin	0.800	0.983		ug/L		123	72 - 128	10	30
Endosulfan I	0.800	0.845		ug/L		106	73 - 127	9	30
Endosulfan I	0.800	1.04 *		ug/L		130	73 - 127	10	30
Endosulfan II	0.800	0.880		ug/L		110	73 - 134	10	30
Endosulfan II	0.800	1.02		ug/L		127	73 - 134	10	30
Endosulfan sulfate	0.800	0.753		ug/L		94	61 - 128	10	30
Endosulfan sulfate	0.800	0.814		ug/L		102	61 - 128	10	30
Endrin	0.800	0.866		ug/L		108	64 - 138	9	30
Endrin	0.800	0.983		ug/L		123	64 - 138	10	30
Endrin aldehyde	0.800	0.873		ug/L		109	74 - 133	11	30
Endrin aldehyde	0.800	0.960		ug/L		120	74 - 133	11	30
Endrin ketone	0.800	0.775		ug/L		97	56 - 150	9	30
Endrin ketone	0.800	0.860		ug/L		108	56 - 150	9	30
gamma-BHC (Lindane)	0.800	0.895		ug/L		112	73 - 132	10	30
gamma-BHC (Lindane)	0.800	0.940		ug/L		118	73 - 132	10	30
Heptachlor	0.800	0.888		ug/L		111	70 - 134	9	30
Heptachlor	0.800	0.990		ug/L		124	70 - 134	9	30
Heptachlor epoxide	0.800	0.889		ug/L		111	75 - 126	9	30
Heptachlor epoxide	0.800	0.990		ug/L		124	75 - 126	10	30
Methoxychlor	0.800	0.855		ug/L		107	49 - 150	10	30
Methoxychlor	0.800	0.888		ug/L		111	49 - 150	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	87		30 - 131
DCB Decachlorobiphenyl	95		30 - 131
Tetrachloro-m-xylene	88		34 - 120
Tetrachloro-m-xylene	107		34 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: MB 460-995877/1-A

Matrix: Water

Analysis Batch: 996037

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		09/14/24 11:36	09/16/24 09:21	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		09/14/24 11:36	09/16/24 09:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	114		18 - 145	09/14/24 11:36	09/16/24 09:21	1
DCB Decachlorobiphenyl	101		18 - 145	09/14/24 11:36	09/16/24 09:21	1
Tetrachloro-m-xylene	104		21 - 124	09/14/24 11:36	09/16/24 09:21	1
Tetrachloro-m-xylene	99		21 - 124	09/14/24 11:36	09/16/24 09:21	1

Lab Sample ID: LCS 460-995877/2-A

Matrix: Water

Analysis Batch: 996037

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	4.10		ug/L		103	42 - 120
Aroclor 1016	4.00	4.28		ug/L		107	42 - 120
Aroclor 1260	4.00	4.38		ug/L		110	42 - 126
Aroclor 1260	4.00	4.37		ug/L		109	42 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	123		18 - 145
DCB Decachlorobiphenyl	106		18 - 145
Tetrachloro-m-xylene	107		21 - 124
Tetrachloro-m-xylene	106		21 - 124

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCSD 460-995877/3-A

Matrix: Water

Analysis Batch: 996037

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	4.00	4.07		ug/L		102	42 - 120	1	30
Aroclor 1016	4.00	4.18		ug/L		104	42 - 120	2	30
Aroclor 1260	4.00	4.30		ug/L		108	42 - 126	2	30
Aroclor 1260	4.00	4.30		ug/L		108	42 - 126	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	116		18 - 145
DCB Decachlorobiphenyl	103		18 - 145
Tetrachloro-m-xylene	106		21 - 124
Tetrachloro-m-xylene	103		21 - 124

Lab Sample ID: 460-311357-I-2-B MS

Matrix: Water

Analysis Batch: 996037

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 995877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	3.78		ug/L		94	42 - 120
Aroclor 1016	0.40	U	4.00	3.47		ug/L		87	42 - 120
Aroclor 1260	0.40	U	4.00	4.09		ug/L		102	42 - 126
Aroclor 1260	0.40	U	4.00	3.63		ug/L		91	42 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	118		18 - 145
DCB Decachlorobiphenyl	99		18 - 145
Tetrachloro-m-xylene	101		21 - 124
Tetrachloro-m-xylene	95		21 - 124

Lab Sample ID: 460-311357-Q-2-B MSD

Matrix: Water

Analysis Batch: 996037

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 995877

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	3.93		ug/L		98	42 - 120	4	30
Aroclor 1016	0.40	U	4.00	3.49		ug/L		87	42 - 120	0	30
Aroclor 1260	0.40	U	4.00	3.96		ug/L		99	42 - 126	3	30
Aroclor 1260	0.40	U	4.00	3.59		ug/L		90	42 - 126	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	105		18 - 145
DCB Decachlorobiphenyl	89		18 - 145
Tetrachloro-m-xylene	89		21 - 124
Tetrachloro-m-xylene	87		21 - 124

Eurofins Edison

QC Sample Results

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

Job ID: 460-311253-1

Method: 6020B - Metals (ICP/MS)

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
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
Chromium	4.0	U	4.0	1.7	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
Lead	1.2	U	1.2	0.42	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
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
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
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
Chromium	50.0	52.71		ug/L		105	80 - 120
Copper	50.0	54.41		ug/L		109	80 - 120
Lead	25.0	25.63		ug/L		103	80 - 120
Manganese	250	253.7		ug/L		101	80 - 120
Nickel	50.0	53.17		ug/L		106	80 - 120
Selenium	50.0	51.27		ug/L		103	80 - 120
Silver	25.0	25.63		ug/L		103	80 - 120
Zinc	250	259.1		ug/L		104	80 - 120

Lab Sample ID: 460-311253-1 MS

Matrix: Water

Analysis Batch: 996107

Client Sample ID: RXTW-3

Prep Type: Total Recoverable

Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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
Chromium	4.0	U	50.0	49.62		ug/L		99	75 - 125
Copper	4.0	U	50.0	50.57		ug/L		101	75 - 125
Lead	0.95	J	25.0	26.35		ug/L		102	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
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
Zinc	27.3		250	266.7		ug/L		96	75 - 125

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: 460-311253-1 DU

Matrix: Water

Analysis Batch: 996107

Client Sample ID: RXTW-3

Prep Type: Total Recoverable

Prep Batch: 995809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
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
Chromium	4.0	U	4.0	U	ug/L		NC	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Lead	0.95	J	0.951	J	ug/L		0.6	20
Manganese	60.3		59.54		ug/L		1	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Zinc	27.3		26.89		ug/L		1	20

Lab Sample ID: MB 460-996212/7-A

Matrix: Water

Analysis Batch: 996107

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 996212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.0	U	2.0	0.48	ug/L		09/16/24 23:41	09/17/24 00:37	1
Arsenic	2.0	U	2.0	1.2	ug/L		09/16/24 23:41	09/17/24 00:37	1
Barium	4.0	U	4.0	0.93	ug/L		09/16/24 23:41	09/17/24 00:37	1
Beryllium	0.80	U	0.80	0.12	ug/L		09/16/24 23:41	09/17/24 00:37	1
Cadmium	2.0	U	2.0	0.38	ug/L		09/16/24 23:41	09/17/24 00:37	1
Calcium	500	U	500	31.7	ug/L		09/16/24 23:41	09/17/24 00:37	1
Chromium	4.0	U	4.0	1.7	ug/L		09/16/24 23:41	09/17/24 00:37	1
Cobalt	4.0	U	4.0	0.41	ug/L		09/16/24 23:41	09/17/24 00:37	1
Copper	4.0	U	4.0	2.0	ug/L		09/16/24 23:41	09/17/24 00:37	1
Iron	120	U	120	33.7	ug/L		09/16/24 23:41	09/17/24 00:37	1
Lead	1.2	U	1.2	0.42	ug/L		09/16/24 23:41	09/17/24 00:37	1
Magnesium	200	U	200	21.8	ug/L		09/16/24 23:41	09/17/24 00:37	1
Manganese	8.0	U	8.0	0.84	ug/L		09/16/24 23:41	09/17/24 00:37	1
Nickel	4.0	U	4.0	1.4	ug/L		09/16/24 23:41	09/17/24 00:37	1
Potassium	200	U	200	83.3	ug/L		09/16/24 23:41	09/17/24 00:37	1
Selenium	2.5	U	2.5	0.43	ug/L		09/16/24 23:41	09/17/24 00:37	1
Silver	2.0	U	2.0	1.3	ug/L		09/16/24 23:41	09/17/24 00:37	1
Sodium	500	U	500	180	ug/L		09/16/24 23:41	09/17/24 00:37	1
Thallium	0.80	U	0.80	0.19	ug/L		09/16/24 23:41	09/17/24 00:37	1
Vanadium	4.0	U	4.0	1.0	ug/L		09/16/24 23:41	09/17/24 00:37	1
Zinc	16.0	U	16.0	4.2	ug/L		09/16/24 23:41	09/17/24 00:37	1

Lab Sample ID: MB 460-996212/7-A

Matrix: Water

Analysis Batch: 996348

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 996212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		09/16/24 23:41	09/17/24 19:17	1

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: LCS 460-996212/8-A
Matrix: Water
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	25.0	24.80		ug/L		99	80 - 120
Arsenic	50.0	50.12		ug/L		100	80 - 120
Barium	50.0	51.05		ug/L		102	80 - 120
Beryllium	25.0	25.70		ug/L		103	80 - 120
Cadmium	25.0	24.94		ug/L		100	80 - 120
Calcium	2500	2526		ug/L		101	80 - 120
Chromium	50.0	50.36		ug/L		101	80 - 120
Cobalt	25.0	25.46		ug/L		102	80 - 120
Copper	50.0	51.90		ug/L		104	80 - 120
Iron	2500	2489		ug/L		100	80 - 120
Lead	25.0	25.04		ug/L		100	80 - 120
Magnesium	2500	2506		ug/L		100	80 - 120
Manganese	250	241.3		ug/L		97	80 - 120
Nickel	50.0	51.32		ug/L		103	80 - 120
Potassium	2500	2532		ug/L		101	80 - 120
Selenium	50.0	47.61		ug/L		95	80 - 120
Silver	25.0	24.24		ug/L		97	80 - 120
Sodium	2500	2522		ug/L		101	80 - 120
Thallium	20.0	20.32		ug/L		102	80 - 120
Vanadium	50.0	49.61		ug/L		99	80 - 120
Zinc	250	241.9		ug/L		97	80 - 120

Lab Sample ID: LCS 460-996212/8-A
Matrix: Water
Analysis Batch: 996348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 996212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2424		ug/L		97	80 - 120

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

Client Sample ID: RXTW-3
Prep Type: Dissolved
Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.88	J	25.0	18.50	N	ug/L		71	75 - 125
Arsenic	4.4		50.0	55.63		ug/L		103	75 - 125
Barium	36.1		50.0	86.99		ug/L		102	75 - 125
Beryllium	0.80	U	25.0	24.92		ug/L		100	75 - 125
Cadmium	2.0	U	25.0	25.83		ug/L		103	75 - 125
Calcium	78700		2500	82670	4	ug/L		157	75 - 125
Chromium	4.0	U	50.0	51.49		ug/L		103	75 - 125
Cobalt	4.0	U	25.0	26.28		ug/L		105	75 - 125
Copper	4.0	U	50.0	52.29		ug/L		105	75 - 125
Iron	1550		2500	4121		ug/L		103	75 - 125
Lead	1.2	U	25.0	25.78		ug/L		103	75 - 125
Magnesium	9260		2500	11640		ug/L		95	75 - 125
Manganese	63.2		250	307.8		ug/L		98	75 - 125
Nickel	4.0	U	50.0	52.54		ug/L		105	75 - 125
Potassium	6460		2500	8955		ug/L		100	75 - 125

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QC Sample Results

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

Job ID: 460-311253-1

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

Lab Sample ID: 460-311253-1 MS

Matrix: Water

Analysis Batch: 996107

Client Sample ID: RXTW-3

Prep Type: Dissolved

Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	2.5	U	50.0	51.32		ug/L		103	75 - 125
Silver	2.0	U	25.0	21.07		ug/L		84	75 - 125
Sodium	32100		2500	33660	4	ug/L		62	75 - 125
Thallium	0.80	U	20.0	20.99		ug/L		105	75 - 125
Vanadium	4.0	U	50.0	51.57		ug/L		103	75 - 125
Zinc	20.8		250	272.1		ug/L		101	75 - 125

Lab Sample ID: 460-311253-1 MS

Matrix: Water

Analysis Batch: 996348

Client Sample ID: RXTW-3

Prep Type: Dissolved

Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2451		ug/L		98	75 - 125

Lab Sample ID: 460-311253-1 DU

Matrix: Water

Analysis Batch: 996107

Client Sample ID: RXTW-3

Prep Type: Dissolved

Prep Batch: 996212

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.88	J	0.976	J	ug/L		11	20
Arsenic	4.4		4.41		ug/L		0.8	20
Barium	36.1		35.19		ug/L		3	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	78700		81830		ug/L		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	1550		1570		ug/L		2	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Magnesium	9260		9386		ug/L		1	20
Manganese	63.2		62.40		ug/L		1	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	6460		6577		ug/L		2	20
Selenium	2.5	U	0.638	J	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	32100		32530		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	20.8		20.68		ug/L		0.7	20

Lab Sample ID: 460-311253-1 DU

Matrix: Water

Analysis Batch: 996348

Client Sample ID: RXTW-3

Prep Type: Dissolved

Prep Batch: 996212

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

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QC Sample Results

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

Job ID: 460-311253-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-995681/1-A

Matrix: Water

Analysis Batch: 995745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995681

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 11:44	09/13/24 14:14	1

Lab Sample ID: LCS 460-995681/2-A

Matrix: Water

Analysis Batch: 995745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995681

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: 460-311121-L-6-C MS

Matrix: Water

Analysis Batch: 995745

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 995681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.06		ug/L		106	75 - 125

Lab Sample ID: 460-311121-L-6-D MSD

Matrix: Water

Analysis Batch: 995745

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 995681

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	0.996		ug/L		100	75 - 125	7	20

Lab Sample ID: 460-311121-L-6-B DU

Matrix: Water

Analysis Batch: 995745

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 995681

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: 460-311172-F-1-D MS

Matrix: Water

Analysis Batch: 995745

Client Sample ID: Matrix Spike

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

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QC Sample Results

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

Job ID: 460-311253-1

Method: 7470A - Mercury (CVAA)

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

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 995708

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

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-995664/10
Matrix: Water
Analysis Batch: 995664

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			09/13/24 08:40	1

Lab Sample ID: LCSSRM 460-995664/11
Matrix: Water
Analysis Batch: 995664

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	77.43		ug/L		99.8	84.1 - 114.4

Lab Sample ID: MRL 460-995664/9
Matrix: Water
Analysis Batch: 995664

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	11.37		ug/L		114	50 - 150

Lab Sample ID: 460-311260-D-5 MS
Matrix: Water
Analysis Batch: 995664

Client Sample ID: Matrix Spike
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	U	30.0	30.08		ug/L		100	85 - 115

Lab Sample ID: 460-311260-D-5 DU
Matrix: Water
Analysis Batch: 995664

Client Sample ID: Duplicate
Prep Type: Dissolved

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

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 460-996283/12-A
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 996283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		09/17/24 08:38	09/17/24 11:01	1

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QC Sample Results

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

Job ID: 460-311253-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 460-996283/13-A
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.103		mg/L		103	85 - 115

Lab Sample ID: MRL 460-996283/11-A
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0110		mg/L		110	50 - 150

Lab Sample ID: 460-311263-H-1-B MS
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.010	U	0.200	0.210		mg/L		105	90 - 110

Lab Sample ID: 460-311263-H-1-C MSD
Matrix: Water
Analysis Batch: 996331

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 996283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.212		mg/L		106	90 - 110	1	35

QC Association Summary

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

Job ID: 460-311253-1

GC/MS VOA

Analysis Batch: 996003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-2	RXTW-2	Total/NA	Water	8260D	
460-311253-3	RXTW-6	Total/NA	Water	8260D	
460-311253-4	TB_09122024	Total/NA	Water	8260D	
460-311253-5	Dup_09122024	Total/NA	Water	8260D	
MB 460-996003/10	Method Blank	Total/NA	Water	8260D	
LCS 460-996003/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-996003/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 996032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8260D	
MB 460-996032/11	Method Blank	Total/NA	Water	8260D	
LCS 460-996032/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-996032/21	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	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
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: 995677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995677/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995677/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995677/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311201-D-1-A MS	Matrix Spike	Total/NA	Water	3510C	
460-311201-D-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 995765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8270E	995677
460-311253-2	RXTW-2	Total/NA	Water	8270E	995677
460-311253-3	RXTW-6	Total/NA	Water	8270E	995677
460-311253-5	Dup_09122024	Total/NA	Water	8270E	995677

Eurofins Edison

QC Association Summary

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

Job ID: 460-311253-1

GC/MS Semi VOA (Continued)

Analysis Batch: 995765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995677/1-A	Method Blank	Total/NA	Water	8270E	995677
LCS 460-995677/2-A	Lab Control Sample	Total/NA	Water	8270E	995677
LCSD 460-995677/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	995677
460-311201-D-1-A MS	Matrix Spike	Total/NA	Water	8270E	995677
460-311201-D-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	995677

Analysis Batch: 995964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8270E SIM ID	995440
460-311253-2	RXTW-2	Total/NA	Water	8270E SIM ID	995440
460-311253-3	RXTW-6	Total/NA	Water	8270E SIM ID	995440
460-311253-5	Dup_09122024	Total/NA	Water	8270E SIM ID	995440

GC Semi VOA

Filtration Batch: 995872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-995872/1-B	Method Blank	Total/NA	Water	FILTRATION	

Prep Batch: 995875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995872/1-B	Method Blank	Total/NA	Water	3510C	995872
MB 460-995875/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995875/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995875/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 995877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	3510C	
460-311253-2	RXTW-2	Total/NA	Water	3510C	
460-311253-3	RXTW-6	Total/NA	Water	3510C	
460-311253-5	Dup_09122024	Total/NA	Water	3510C	
MB 460-995877/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-995877/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-995877/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-311357-I-2-B MS	Matrix Spike	Total/NA	Water	3510C	
460-311357-Q-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 996037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8082A	995877
460-311253-2	RXTW-2	Total/NA	Water	8082A	995877
460-311253-3	RXTW-6	Total/NA	Water	8082A	995877
460-311253-5	Dup_09122024	Total/NA	Water	8082A	995877
MB 460-995877/1-A	Method Blank	Total/NA	Water	8082A	995877
LCS 460-995877/2-A	Lab Control Sample	Total/NA	Water	8082A	995877
LCSD 460-995877/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	995877

Eurofins Edison

QC Association Summary

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

Job ID: 460-311253-1

GC Semi VOA (Continued)

Analysis Batch: 996037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311357-I-2-B MS	Matrix Spike	Total/NA	Water	8082A	995877
460-311357-Q-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	8082A	995877

Analysis Batch: 996147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	8081B	995875
460-311253-2	RXTW-2	Total/NA	Water	8081B	995875
460-311253-3	RXTW-6	Total/NA	Water	8081B	995875
460-311253-5	Dup_09122024	Total/NA	Water	8081B	995875
MB 460-995872/1-B	Method Blank	Total/NA	Water	8081B	995875
MB 460-995875/1-A	Method Blank	Total/NA	Water	8081B	995875
LCS 460-995875/2-A	Lab Control Sample	Total/NA	Water	8081B	995875
LCSD 460-995875/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	995875

Metals

Prep Batch: 995681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	7470A	
460-311253-2	RXTW-2	Total/NA	Water	7470A	
460-311253-3	RXTW-6	Total/NA	Water	7470A	
460-311253-5	Dup_09122024	Total/NA	Water	7470A	
MB 460-995681/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-995681/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-311121-L-6-C MS	Matrix Spike	Total/NA	Water	7470A	
460-311121-L-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-311121-L-6-B DU	Duplicate	Total/NA	Water	7470A	

Prep Batch: 995708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	7470A	
460-311253-2	RXTW-2	Dissolved	Water	7470A	
460-311253-3	RXTW-6	Dissolved	Water	7470A	
460-311253-5	Dup_09122024	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-F-1-D MS	Matrix Spike	Dissolved	Water	7470A	
460-311172-F-1-C DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 995745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	7470A	995708
460-311253-1	RXTW-3	Total/NA	Water	7470A	995681
460-311253-2	RXTW-2	Dissolved	Water	7470A	995708
460-311253-2	RXTW-2	Total/NA	Water	7470A	995681
460-311253-3	RXTW-6	Dissolved	Water	7470A	995708
460-311253-3	RXTW-6	Total/NA	Water	7470A	995681
460-311253-5	Dup_09122024	Dissolved	Water	7470A	995708
460-311253-5	Dup_09122024	Total/NA	Water	7470A	995681
MB 460-995681/1-A	Method Blank	Total/NA	Water	7470A	995681
MB 460-995708/1-A	Method Blank	Total/NA	Water	7470A	995708

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QC Association Summary

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

Job ID: 460-311253-1

Metals (Continued)

Analysis Batch: 995745 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-995681/2-A	Lab Control Sample	Total/NA	Water	7470A	995681
LCS 460-995708/3-A	Lab Control Sample	Total/NA	Water	7470A	995708
460-311121-L-6-C MS	Matrix Spike	Total/NA	Water	7470A	995681
460-311121-L-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	995681
460-311172-F-1-D MS	Matrix Spike	Dissolved	Water	7470A	995708
460-311121-L-6-B DU	Duplicate	Total/NA	Water	7470A	995681
460-311172-F-1-C DU	Duplicate	Dissolved	Water	7470A	995708

Prep Batch: 995809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total Recoverable	Water	3005A	
460-311253-2	RXTW-2	Total Recoverable	Water	3005A	
460-311253-3	RXTW-6	Total Recoverable	Water	3005A	
460-311253-5	Dup_09122024	Total Recoverable	Water	3005A	
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311253-1 MS	RXTW-3	Total Recoverable	Water	3005A	
460-311253-1 DU	RXTW-3	Total Recoverable	Water	3005A	

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1	RXTW-3	Total Recoverable	Water	6020B	995809
460-311253-2	RXTW-2	Dissolved	Water	6020B	996212
460-311253-2	RXTW-2	Total Recoverable	Water	6020B	995809
460-311253-3	RXTW-6	Total Recoverable	Water	6020B	995809
460-311253-5	Dup_09122024	Dissolved	Water	6020B	996212
460-311253-5	Dup_09122024	Total Recoverable	Water	6020B	995809
MB 460-995809/1-A	Method Blank	Total Recoverable	Water	6020B	995809
MB 460-996212/7-A	Method Blank	Total Recoverable	Water	6020B	996212
LCS 460-995809/2-A	Lab Control Sample	Total Recoverable	Water	6020B	995809
LCS 460-996212/8-A	Lab Control Sample	Total Recoverable	Water	6020B	996212
460-311253-1 MS	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1 MS	RXTW-3	Total Recoverable	Water	6020B	995809
460-311253-1 DU	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1 DU	RXTW-3	Total Recoverable	Water	6020B	995809

Prep Batch: 996212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	3005A	
460-311253-2	RXTW-2	Dissolved	Water	3005A	
460-311253-3	RXTW-6	Dissolved	Water	3005A	
460-311253-5	Dup_09122024	Dissolved	Water	3005A	
MB 460-996212/7-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-996212/8-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-311253-1 MS	RXTW-3	Dissolved	Water	3005A	
460-311253-1 DU	RXTW-3	Dissolved	Water	3005A	

Analysis Batch: 996348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Dissolved	Water	6020B	996212

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QC Association Summary

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

Job ID: 460-311253-1

Metals (Continued)

Analysis Batch: 996348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-2	RXTW-2	Dissolved	Water	6020B	996212
460-311253-3	RXTW-6	Dissolved	Water	6020B	996212
460-311253-5	Dup_09122024	Dissolved	Water	6020B	996212
MB 460-996212/7-A	Method Blank	Total Recoverable	Water	6020B	996212
LCS 460-996212/8-A	Lab Control Sample	Total Recoverable	Water	6020B	996212
460-311253-1 MS	RXTW-3	Dissolved	Water	6020B	996212
460-311253-1 DU	RXTW-3	Dissolved	Water	6020B	996212

General Chemistry

Analysis Batch: 995664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	7196A	
460-311253-2	RXTW-2	Total/NA	Water	7196A	
460-311253-3	RXTW-6	Total/NA	Water	7196A	
460-311253-5	Dup_09122024	Total/NA	Water	7196A	
MB 460-995664/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-995664/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-995664/9	Lab Control Sample	Total/NA	Water	7196A	
460-311260-D-5 MS	Matrix Spike	Dissolved	Water	7196A	
460-311260-D-5 DU	Duplicate	Dissolved	Water	7196A	

Analysis Batch: 996255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	7196A	
460-311253-2	RXTW-2	Total/NA	Water	7196A	
460-311253-3	RXTW-6	Total/NA	Water	7196A	
460-311253-5	Dup_09122024	Total/NA	Water	7196A	

Prep Batch: 996283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	9012B	
460-311253-2	RXTW-2	Total/NA	Water	9012B	
460-311253-3	RXTW-6	Total/NA	Water	9012B	
460-311253-5	Dup_09122024	Total/NA	Water	9012B	
MB 460-996283/12-A	Method Blank	Total/NA	Water	9012B	
LCS 460-996283/13-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-996283/11-A	Lab Control Sample	Total/NA	Water	9012B	
460-311263-H-1-B MS	Matrix Spike	Total/NA	Water	9012B	
460-311263-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 996331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311253-1	RXTW-3	Total/NA	Water	9012B	996283
460-311253-2	RXTW-2	Total/NA	Water	9012B	996283
460-311253-3	RXTW-6	Total/NA	Water	9012B	996283
460-311253-5	Dup_09122024	Total/NA	Water	9012B	996283
MB 460-996283/12-A	Method Blank	Total/NA	Water	9012B	996283
LCS 460-996283/13-A	Lab Control Sample	Total/NA	Water	9012B	996283
MRL 460-996283/11-A	Lab Control Sample	Total/NA	Water	9012B	996283
460-311263-H-1-B MS	Matrix Spike	Total/NA	Water	9012B	996283

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QC Association Summary

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

Job ID: 460-311253-1

General Chemistry (Continued)

Analysis Batch: 996331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311263-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	996283

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Lab Chronicle

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

Job ID: 460-311253-1

Client Sample ID: RXTW-3

Date Collected: 09/12/24 09:35

Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996032	CJM	EET EDI	09/16/24 17:30
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 02:07
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 15:18
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:21
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 11:57
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996107	MDC	EET EDI	09/17/24 00:47
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:27
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 10:21
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:25
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 14:57
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:26

Client Sample ID: RXTW-2

Date Collected: 09/12/24 12:30

Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/16/24 01:25
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 02:28
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 15:34
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:33
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 12:19
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996107	MDC	EET EDI	09/17/24 00:52
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:32
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 12:32

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Lab Chronicle

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

Job ID: 460-311253-1

Client Sample ID: RXTW-2

Date Collected: 09/12/24 12:30

Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:26
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 14:59
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:27

Client Sample ID: RXTW-6

Date Collected: 09/12/24 13:45

Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/16/24 01:45
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 02:48
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 15:50
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:46
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 12:42
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:34
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 12:35
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:28
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:01
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:28

Client Sample ID: TB_09122024

Date Collected: 09/12/24 13:45

Date Received: 09/12/24 19:00

Lab Sample ID: 460-311253-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/15/24 23:45

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Lab Chronicle

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

Job ID: 460-311253-1

Client Sample ID: Dup_09122024

Lab Sample ID: 460-311253-5

Date Collected: 09/12/24 12:00

Matrix: Water

Date Received: 09/12/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	996003	KLB	EET EDI	09/16/24 02:05
Total/NA	Prep	3510C			995677	NMP	EET EDI	09/13/24 11:23
Total/NA	Analysis	8270E		1	995765	YAH	EET EDI	09/14/24 03:09
Total/NA	Prep	3510C			995440	SXS	EET EDI	09/13/24 09:09
Total/NA	Analysis	8270E SIM ID		1	995964	YAH	EET EDI	09/15/24 16:06
Total/NA	Prep	3510C			995875	ZEH	EET EDI	09/14/24 11:29
Total/NA	Analysis	8081B		1	996147	AAA	EET EDI	09/16/24 23:58
Total/NA	Prep	3510C			995877	ZEH	EET EDI	09/14/24 11:42
Total/NA	Analysis	8082A		1	996037	AAA	EET EDI	09/16/24 13:04
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996107	MDC	EET EDI	09/17/24 01:06
Dissolved	Prep	3005A			996212	VAD	EET EDI	09/16/24 23:41
Dissolved	Analysis	6020B		1	996348	JKF	EET EDI	09/17/24 19:37
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 12:37
Dissolved	Prep	7470A			995708	RBS	EET EDI	09/13/24 14:48
Dissolved	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:30
Total/NA	Prep	7470A			995681	RBS	EET EDI	09/13/24 11:44
Total/NA	Analysis	7470A		1	995745	RBS	EET EDI	09/13/24 15:02
Total/NA	Analysis	7196A		1	996255	TJW	EET EDI	09/17/24 06:48
Total/NA	Analysis	7196A		1	995664	AXP	EET EDI	09/13/24 08:40
Total/NA	Prep	9012B			996283	AXP	EET EDI	09/17/24 08:38
Total/NA	Analysis	9012B		1	996331	AXP	EET EDI	09/17/24 11:29

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
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

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
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

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 and/or 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

Protocol References:

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
Project/Site: 2828 W 28th Street

Job ID: 460-311253-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311253-1	RXTW-3	Water	09/12/24 09:35	09/12/24 19:00
460-311253-2	RXTW-2	Water	09/12/24 12:30	09/12/24 19:00
460-311253-3	RXTW-6	Water	09/12/24 13:45	09/12/24 19:00
460-311253-4	TB_09122024	Water	09/12/24 13:45	09/12/24 19:00
460-311253-5	Dup_09122024	Water	09/12/24 12:00	09/12/24 19:00



Number of Coolers:

IR Gun #

Cooler Temperatures

Cooler Cooler Cooler

RAW	2010	2010	2010
-----	------	------	------

ECTED

U U U

#4: _____

#5: _____

#6: _____

C	C	C
Corrected		

er #7:
er #8:
er #9:

CORRECTED			
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TALS Sample Number

monia
H<2)

DD
(<2)

★
Metals
(pH<2)

ness
1<2)

PH or
QAM
(H<2)

Sulfide
(pH>9)

TKN
pH<2)

**Total
Cyanide
[pH>12]**

Other

ther

TALS Sample Number
1
2
3
4

PH<2)				
-------	--	--	--	--

(2)				

(pH<2)	CL
	CL
	CL
	CL

1<2)				
------	--	--	--	--

0H<2)				
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(pH>9)

0H<2)

pH > 12

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10/16/2024 (Rev. 1)

Sample No(s). adjusted:

Preservative Name/Conc.:

Lot # of Preservative(s):

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

Initials:EDS-WI-038, Rev 4.1
10/22/2019

11

Date: 9-12-24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311253-1

Login Number: 311253

List Number: 1

Creator: Rivera, Kenneth

List Source: Eurofins Edison

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