

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

2828 W 28th Street

JOB NUMBER

460-311117-1

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Job Notes

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Authorization



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Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Detection Summary	9
Client Sample Results	17
Surrogate Summary	48
QC Sample Results	51
QC Association Summary	75
Lab Chronicle	82
Certification Summary	89
Method Summary	90
Sample Summary	91
Chain of Custody	92
Receipt Checklists	94



Definitions/Glossary

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

Job ID: 460-311117-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

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

General Chemistry

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
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

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Definitions/Glossary

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

Job ID: 460-311117-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 460-311117-1

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Job Narrative 460-311117-1

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

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

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

Receipt

The samples were received on 9/10/2024 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Method 8260D - Volatile Organic Compounds by GC/MS

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD), RXSB-1_4-6 (460-311117-10) and TB_09102024 (460-311117-11) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/11/2024 and analyzed on 9/13/2024.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-995611 recovered outside control limits for the following analytes: Bromoform, Carbon tetrachloride and Dibromochloromethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-995611 recovered above the upper control limit for 1,1,1-Trichloroethane, Bromoform, 1,1,2-Trichloro-1,2,2-trifluoroethane and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-995597 was outside the method criteria for the following analyte: tert-Butylbenzene. 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 is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-995597 recovered outside control limits for the following analyte: tert-Butylbenzene. This analyte was biased low in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/11/2024 and analyzed on 9/12/2024.

The continuing calibration verification (CCV) analyzed in batch 460-995383 was outside the method criteria for the following analyte(s): Benzaldehyde and Hexachlorocyclopentadiene. 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 460-995383 and analytical batch 460-995383 recovered outside control limits for the following analytes: 2,4-Dimethylphenol, 2,6-Dinitrotoluene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene and Hexachlorocyclopentadiene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been flagged and reported.

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Case Narrative

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

Job ID: 460-311117-1

Job ID: 460-311117-1 (Continued)

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

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 9/12/2024 and analyzed on 9/13/2024 and 9/16/2024.

Sample RXSB-2_0-2 (460-311117-1)[10x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The surrogate recovery for the blank associated with preparation batch 460-995504 and analytical batch 460-995697 was outside the upper control limits on the primary column.

Method 8081B - Organochlorine Pesticides (GC)

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 9/12/2024 and analyzed on 9/13/2024.

The continuing calibration verification (CCV) associated with batch 460-995588 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the secondary column.

The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data is reported. Methoxychlor and 4,4'-DDT was within control limits on the primary column (CCVIS 460-995588/3).

Method 6020B - Metals (ICP/MS)

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 9/13/2024.

Samples RXSB-2_0-2 (460-311117-1)[10x] and RXSB-7_0-2 (460-311117-3)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 7471B - Mercury (CVAA)

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 9/16/2024.

Samples RXSB-2_0-2 (460-311117-1)[20x] and RXSB-4_0-2 (460-311117-5)[3x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 7196A - Chromium, Hexavalent

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9DU), RXSB-1_0-2 (460-311117-9MSS) and RXSB-1_4-6 (460-311117-10) were analyzed for Chromium, Hexavalent. The samples were prepared and analyzed on 9/18/2024.

Method 7196A - Chromium, Trivalent (Colorimetric)

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9) and RXSB-1_4-6 (460-311117-10) were analyzed for Chromium, Trivalent (Colorimetric). The samples were analyzed on 9/16/2024.

Method 9012B - Cyanide, Total and/or Amenable

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9), RXSB-1_0-2 (460-311117-9MS), RXSB-1_0-2 (460-311117-9MSD) and RXSB-1_4-6 (460-311117-10) were analyzed for Cyanide, Total and/or Amenable. The samples were prepared on 9/14/2024 and analyzed on 9/15/2024.

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Case Narrative

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

Job ID: 460-311117-1

Job ID: 460-311117-1 (Continued)

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Method Moisture - Percent Moisture

Samples RXSB-2_0-2 (460-311117-1), RXSB-2_4-6 (460-311117-2), RXSB-7_0-2 (460-311117-3), RXSB-7_4-6 (460-311117-4), RXSB-4_0-2 (460-311117-5), RXSB-4_4-6 (460-311117-6), RXSB-6_0-2 (460-311117-7), RXSB-6_4-6 (460-311117-8), RXSB-1_0-2 (460-311117-9) and RXSB-1_4-6 (460-311117-10) were analyzed for Percent Moisture. The samples were analyzed on 9/11/2024 and 9/15/2024.

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Detection Summary

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2

Lab Sample ID: 460-311117-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.014	J	0.35	0.010	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.11	J	0.35	0.010	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.080	J	0.35	0.011	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	0.41		0.035	0.027	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	0.99		0.035	0.0094	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	1.0		0.035	0.0092	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	2.2		0.35	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.60		0.035	0.0070	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.47		0.35	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	1.6		0.035	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.013	J	0.35	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	0.64		0.35	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.012	J	0.35	0.010	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.9		0.035	0.014	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.037	J	0.35	0.0061	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.22	J	0.35	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	0.76		0.35	0.0088	mg/Kg	1	✱	8270E	Total/NA
Aroclor-1262	3.9		0.72	0.19	mg/Kg	10	✱	8082A	Total/NA
Polychlorinated biphenyls, Total	3.9		0.72	0.19	mg/Kg	10	✱	8082A	Total/NA
Cadmium	17.7		1.0	0.11	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.44		0.40	0.057	mg/Kg	1	✱	6020B	Total/NA
Barium	2450		20.1	1.5	mg/Kg	10	✱	6020B	Total/NA
Nickel	391		2.0	0.47	mg/Kg	1	✱	6020B	Total/NA
Silver	1.4		0.40	0.090	mg/Kg	1	✱	6020B	Total/NA
Arsenic	17.5		1.0	0.10	mg/Kg	1	✱	6020B	Total/NA
Copper	813		2.0	0.37	mg/Kg	1	✱	6020B	Total/NA
Lead	9060		6.0	2.0	mg/Kg	10	✱	6020B	Total/NA
Zinc	11500		80.5	30.7	mg/Kg	10	✱	6020B	Total/NA
Selenium	1.5		1.3	0.13	mg/Kg	1	✱	6020B	Total/NA
Manganese	383		4.0	0.41	mg/Kg	1	✱	6020B	Total/NA
Chromium	383		2.0	0.91	mg/Kg	1	✱	6020B	Total/NA
Mercury	8.6		0.34	0.16	mg/Kg	20	✱	7471B	Total/NA
Cr (III)	382		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cr (VI)	1.5	J	2.2	0.91	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	1.3		0.23	0.13	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.012	J	0.33	0.0094	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.47		0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.31	J	0.33	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	2.2		0.033	0.025	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	1.8		0.033	0.0088	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	2.9		0.033	0.0086	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.85		0.33	0.0098	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	1.2		0.033	0.0065	mg/Kg	1	✱	8270E	Total/NA
Chrysene	2.2		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.012	J	0.33	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	3.9		0.33	0.012	mg/Kg	1	✱	8270E	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-2_4-6 (Continued)

Lab Sample ID: 460-311117-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.037	J	0.33	0.0097	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.99		0.033	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.027	J	0.33	0.0057	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.61		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	3.5		0.33	0.0082	mg/Kg	1	✱	8270E	Total/NA
Cadmium	0.16	J	0.92	0.10	mg/Kg	1	✱	6020B	Total/NA
Barium	15.7		1.8	0.13	mg/Kg	1	✱	6020B	Total/NA
Nickel	3.9		1.8	0.43	mg/Kg	1	✱	6020B	Total/NA
Arsenic	1.1		0.92	0.094	mg/Kg	1	✱	6020B	Total/NA
Copper	4.6		1.8	0.34	mg/Kg	1	✱	6020B	Total/NA
Lead	36.4		0.55	0.18	mg/Kg	1	✱	6020B	Total/NA
Zinc	146		7.3	2.8	mg/Kg	1	✱	6020B	Total/NA
Manganese	26.9		3.7	0.37	mg/Kg	1	✱	6020B	Total/NA
Chromium	3.0		1.8	0.83	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.046		0.017	0.0078	mg/Kg	1	✱	7471B	Total/NA
Cr (III)	3.0		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.11	J	0.21	0.11	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-7_0-2

Lab Sample ID: 460-311117-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.062	J	0.35	0.0099	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.093	J	0.35	0.0099	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.20	J	0.35	0.011	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	1.0		0.035	0.026	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	1.0		0.035	0.0093	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	1.5		0.035	0.0090	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.43		0.35	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.54		0.035	0.0068	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.97		0.35	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.13		0.035	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.022	J	0.35	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	1.9		0.35	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.048	J	0.35	0.010	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.53		0.035	0.014	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.026	J	0.35	0.0060	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.84		0.35	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	1.6		0.35	0.0086	mg/Kg	1	✱	8270E	Total/NA
Cadmium	1.5		0.94	0.11	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.27	J	0.38	0.054	mg/Kg	1	✱	6020B	Total/NA
Barium	2290		9.4	0.68	mg/Kg	5	✱	6020B	Total/NA
Nickel	25.2		1.9	0.44	mg/Kg	1	✱	6020B	Total/NA
Silver	0.11	J	0.38	0.084	mg/Kg	1	✱	6020B	Total/NA
Arsenic	2.8		0.94	0.097	mg/Kg	1	✱	6020B	Total/NA
Copper	30.6		1.9	0.35	mg/Kg	1	✱	6020B	Total/NA
Lead	579		0.57	0.19	mg/Kg	1	✱	6020B	Total/NA
Zinc	966		7.5	2.9	mg/Kg	1	✱	6020B	Total/NA
Selenium	0.13	J	1.2	0.12	mg/Kg	1	✱	6020B	Total/NA
Manganese	146		3.8	0.38	mg/Kg	1	✱	6020B	Total/NA
Chromium	11.5		1.9	0.86	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.43		0.018	0.0084	mg/Kg	1	✱	7471B	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-7_0-2 (Continued)

Lab Sample ID: 460-311117-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cr (III)	11.5		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.16	J	0.19	0.10	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-7_4-6

Lab Sample ID: 460-311117-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.10	J	0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.37		0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.75		0.33	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	3.5		0.033	0.025	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	3.5		0.033	0.0089	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	4.6		0.033	0.0086	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	1.2		0.33	0.0098	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	2.4		0.033	0.0065	mg/Kg	1	✱	8270E	Total/NA
Chrysene	3.5		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.37		0.033	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.050	J	0.33	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	6.7		0.33	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.16	J	0.33	0.0097	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.5		0.033	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.067	J	0.33	0.0058	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	2.9		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	5.6		0.33	0.0083	mg/Kg	1	✱	8270E	Total/NA
4,4'-DDT	0.011		0.0067	0.0012	mg/Kg	1	✱	8081B	Total/NA
Cadmium	0.24	J	0.93	0.10	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.079	J	0.37	0.053	mg/Kg	1	✱	6020B	Total/NA
Barium	224		1.9	0.13	mg/Kg	1	✱	6020B	Total/NA
Nickel	5.8		1.9	0.43	mg/Kg	1	✱	6020B	Total/NA
Arsenic	1.1		0.93	0.095	mg/Kg	1	✱	6020B	Total/NA
Copper	8.7		1.9	0.34	mg/Kg	1	✱	6020B	Total/NA
Lead	207		0.56	0.19	mg/Kg	1	✱	6020B	Total/NA
Zinc	243		7.4	2.8	mg/Kg	1	✱	6020B	Total/NA
Manganese	35.4		3.7	0.37	mg/Kg	1	✱	6020B	Total/NA
Chromium	10.4		1.9	0.84	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.053		0.016	0.0077	mg/Kg	1	✱	7471B	Total/NA
Cr (III)	10.4		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.12	J	0.21	0.11	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00075	J	0.0012	0.00029	mg/Kg	1	✱	8260D	Total/NA
Acenaphthene	0.10	J	0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.29	J	0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.46		0.33	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	2.6		0.033	0.025	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	2.9		0.033	0.0089	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	4.2		0.033	0.0086	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	1.0		0.33	0.0098	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	1.7		0.033	0.0065	mg/Kg	1	✱	8270E	Total/NA
Chrysene	2.6		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.18		0.033	0.014	mg/Kg	1	✱	8270E	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-4_0-2 (Continued)

Lab Sample ID: 460-311117-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	0.048	J	0.33	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	4.7		0.33	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.098	J	0.33	0.0097	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.1		0.033	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.046	J	0.33	0.0057	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	1.8		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	4.1		0.33	0.0083	mg/Kg	1	✱	8270E	Total/NA
4,4'-DDE	0.014		0.0067	0.00079	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.027		0.0067	0.0012	mg/Kg	1	✱	8081B	Total/NA
Aroclor 1254	0.18		0.067	0.018	mg/Kg	1	✱	8082A	Total/NA
Polychlorinated biphenyls, Total	0.18		0.067	0.018	mg/Kg	1	✱	8082A	Total/NA
Cadmium	2.7		0.98	0.11	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.23	J	0.39	0.056	mg/Kg	1	✱	6020B	Total/NA
Barium	583		2.0	0.14	mg/Kg	1	✱	6020B	Total/NA
Nickel	20.4		2.0	0.46	mg/Kg	1	✱	6020B	Total/NA
Silver	0.19	J	0.39	0.087	mg/Kg	1	✱	6020B	Total/NA
Arsenic	5.1		0.98	0.10	mg/Kg	1	✱	6020B	Total/NA
Copper	61.2		2.0	0.36	mg/Kg	1	✱	6020B	Total/NA
Lead	643		0.59	0.20	mg/Kg	1	✱	6020B	Total/NA
Zinc	544		7.8	3.0	mg/Kg	1	✱	6020B	Total/NA
Selenium	0.37	J	1.2	0.13	mg/Kg	1	✱	6020B	Total/NA
Manganese	242		3.9	0.39	mg/Kg	1	✱	6020B	Total/NA
Chromium	15.9		2.0	0.89	mg/Kg	1	✱	6020B	Total/NA
Mercury	1.1		0.048	0.023	mg/Kg	3	✱	7471B	Total/NA
Cr (III)	15.9		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.45		0.22	0.12	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.029	J	0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.047	J	0.33	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	0.16		0.033	0.025	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	0.16		0.033	0.0089	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	0.20		0.033	0.0086	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.16	J	0.33	0.0098	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.084		0.033	0.0065	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.16	J	0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.023	J	0.033	0.014	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	0.32	J	0.33	0.012	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.15		0.033	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.014	J	0.33	0.0058	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.12	J	0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	0.26	J	0.33	0.0083	mg/Kg	1	✱	8270E	Total/NA
Cadmium	0.41	J	0.90	0.10	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.13	J	0.36	0.051	mg/Kg	1	✱	6020B	Total/NA
Barium	307		1.8	0.13	mg/Kg	1	✱	6020B	Total/NA
Nickel	12.2		1.8	0.42	mg/Kg	1	✱	6020B	Total/NA
Arsenic	1.4		0.90	0.093	mg/Kg	1	✱	6020B	Total/NA
Copper	8.9		1.8	0.33	mg/Kg	1	✱	6020B	Total/NA
Lead	255		0.54	0.18	mg/Kg	1	✱	6020B	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-4_4-6 (Continued)

Lab Sample ID: 460-311117-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	397		7.2	2.8	mg/Kg	1	✱	6020B	Total/NA
Selenium	0.12	J	1.1	0.12	mg/Kg	1	✱	6020B	Total/NA
Manganese	56.3		3.6	0.36	mg/Kg	1	✱	6020B	Total/NA
Chromium	6.3		1.8	0.82	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.17		0.017	0.0079	mg/Kg	1	✱	7471B	Total/NA
Cr (III)	5.3		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cr (VI)	0.99	J	2.0	0.86	mg/Kg	1	✱	7196A	Total/NA

Client Sample ID: RXSB-6_0-2

Lab Sample ID: 460-311117-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.033	J	0.34	0.0097	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.12	J	0.34	0.0097	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.14	J	0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	0.86		0.034	0.026	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	1.0		0.034	0.0091	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	1.3		0.034	0.0088	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.48		0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.66		0.034	0.0067	mg/Kg	1	✱	8270E	Total/NA
Chrysene	1.0		0.34	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.12		0.034	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.015	J	0.34	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	1.7		0.34	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.032	J	0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.57		0.034	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.017	J	0.34	0.0059	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.68		0.34	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	1.6		0.34	0.0085	mg/Kg	1	✱	8270E	Total/NA
4,4'-DDE	0.0064	J	0.0069	0.00082	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.0076		0.0069	0.0013	mg/Kg	1	✱	8081B	Total/NA
Cadmium	1.9		0.97	0.11	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.22	J	0.39	0.056	mg/Kg	1	✱	6020B	Total/NA
Barium	387		1.9	0.14	mg/Kg	1	✱	6020B	Total/NA
Nickel	15.1		1.9	0.46	mg/Kg	1	✱	6020B	Total/NA
Silver	0.21	J	0.39	0.087	mg/Kg	1	✱	6020B	Total/NA
Arsenic	4.1		0.97	0.10	mg/Kg	1	✱	6020B	Total/NA
Copper	90.3		1.9	0.36	mg/Kg	1	✱	6020B	Total/NA
Lead	475		0.58	0.19	mg/Kg	1	✱	6020B	Total/NA
Zinc	553		7.8	3.0	mg/Kg	1	✱	6020B	Total/NA
Selenium	0.31	J	1.2	0.12	mg/Kg	1	✱	6020B	Total/NA
Manganese	139		3.9	0.39	mg/Kg	1	✱	6020B	Total/NA
Chromium	13.7		1.9	0.89	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.73		0.017	0.0080	mg/Kg	1	✱	7471B	Total/NA
Cr (III)	13.7		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.83		0.22	0.12	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.045	J	0.33	0.0095	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.14	J	0.33	0.0096	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.26	J	0.33	0.010	mg/Kg	1	✱	8270E	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-6_4-6 (Continued)

Lab Sample ID: 460-311117-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1.4		0.033	0.025	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	1.2		0.033	0.0089	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	1.6		0.033	0.0087	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.52		0.33	0.0099	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.79		0.033	0.0066	mg/Kg	1	✱	8270E	Total/NA
Chrysene	1.2		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.019	J	0.33	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	2.5		0.33	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.055	J	0.33	0.0098	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.61		0.033	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.020	J	0.33	0.0058	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.98		0.33	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	2.0		0.33	0.0083	mg/Kg	1	✱	8270E	Total/NA
Cadmium	0.15	J	0.89	0.10	mg/Kg	1	✱	6020B	Total/NA
Barium	69.7		1.8	0.13	mg/Kg	1	✱	6020B	Total/NA
Nickel	3.2		1.8	0.42	mg/Kg	1	✱	6020B	Total/NA
Arsenic	1.6		0.89	0.092	mg/Kg	1	✱	6020B	Total/NA
Copper	13.7		1.8	0.33	mg/Kg	1	✱	6020B	Total/NA
Lead	122		0.53	0.18	mg/Kg	1	✱	6020B	Total/NA
Zinc	92.3		7.1	2.7	mg/Kg	1	✱	6020B	Total/NA
Manganese	24.1		3.6	0.36	mg/Kg	1	✱	6020B	Total/NA
Chromium	3.8		1.8	0.81	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.022		0.016	0.0077	mg/Kg	1	✱	7471B	Total/NA
Cr (III)	3.8		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.38		0.23	0.12	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-1_0-2

Lab Sample ID: 460-311117-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.00063	J	0.0014	0.00027	mg/Kg	1	✱	8260D	Total/NA
m-Xylene & p-Xylene	0.0012	J	0.0014	0.00024	mg/Kg	1	✱	8260D	Total/NA
Xylenes, Total	0.0019	J	0.0028	0.00024	mg/Kg	1	✱	8260D	Total/NA
Acenaphthene	0.035	J	0.34	0.0098	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.074	J	0.34	0.0098	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.15	J	0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	0.45		0.034	0.026	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	0.72		0.034	0.0091	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	0.76		0.034	0.0089	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	1.0	*	0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.38	*	0.034	0.0067	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.50		0.34	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.24		0.034	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.031	J	0.34	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	1.0		0.34	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.042	J	0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.0		0.034	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.024	J	0.34	0.0059	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	0.63		0.34	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	0.85		0.34	0.0085	mg/Kg	1	✱	8270E	Total/NA
4,4'-DDE	0.0051	J	0.0069	0.00082	mg/Kg	1	✱	8081B	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-1_0-2 (Continued)

Lab Sample ID: 460-311117-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.0072		0.0069	0.0013	mg/Kg	1	✱	8081B	Total/NA
Cadmium	0.69	J	1.0	0.12	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.18	J	0.41	0.059	mg/Kg	1	✱	6020B	Total/NA
Barium	325		2.1	0.15	mg/Kg	1	✱	6020B	Total/NA
Nickel	11.2		2.1	0.49	mg/Kg	1	✱	6020B	Total/NA
Silver	0.17	J	0.41	0.092	mg/Kg	1	✱	6020B	Total/NA
Arsenic	5.3		1.0	0.11	mg/Kg	1	✱	6020B	Total/NA
Copper	22.2		2.1	0.38	mg/Kg	1	✱	6020B	Total/NA
Lead	441		0.62	0.21	mg/Kg	1	✱	6020B	Total/NA
Zinc	342		8.3	3.2	mg/Kg	1	✱	6020B	Total/NA
Selenium	0.24	J	1.3	0.13	mg/Kg	1	✱	6020B	Total/NA
Manganese	99.2		4.1	0.42	mg/Kg	1	✱	6020B	Total/NA
Chromium	12.7		2.1	0.94	mg/Kg	1	✱	6020B	Total/NA
Mercury	0.43		0.017	0.0080	mg/Kg	1	✱	7471B	Total/NA
Cr (III)	11.8		2.0	2.0	mg/Kg	1	✱	7196A	Total/NA
Cr (VI)	0.97	J	2.1	0.88	mg/Kg	1	✱	7196A	Total/NA
Cyanide, Total	0.51		0.25	0.14	mg/Kg	1	✱	9012B	Total/NA

Client Sample ID: RXSB-1_4-6

Lab Sample ID: 460-311117-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.00051	J	0.0013	0.00024	mg/Kg	1	✱	8260D	Total/NA
m-Xylene & p-Xylene	0.0010	J	0.0013	0.00022	mg/Kg	1	✱	8260D	Total/NA
Xylenes, Total	0.0015	J	0.0025	0.00022	mg/Kg	1	✱	8260D	Total/NA
Acenaphthene	0.10	J	0.34	0.0097	mg/Kg	1	✱	8270E	Total/NA
Acenaphthylene	0.22	J	0.34	0.0098	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.34		0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	1.5		0.034	0.026	mg/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	1.6		0.034	0.0091	mg/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	2.2		0.034	0.0088	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.75		0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.96		0.034	0.0067	mg/Kg	1	✱	8270E	Total/NA
Chrysene	1.5		0.34	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	0.13		0.034	0.015	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.052	J	0.34	0.011	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	2.8		0.34	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.093	J	0.34	0.010	mg/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.82		0.034	0.013	mg/Kg	1	✱	8270E	Total/NA
Naphthalene	0.045	J	0.34	0.0059	mg/Kg	1	✱	8270E	Total/NA
Pentachlorophenol	0.16	J	0.27	0.070	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	1.4		0.34	0.014	mg/Kg	1	✱	8270E	Total/NA
Pyrene	2.5		0.34	0.0085	mg/Kg	1	✱	8270E	Total/NA
4,4'-DDE	0.0044	J	0.0069	0.00082	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.014		0.0069	0.0013	mg/Kg	1	✱	8081B	Total/NA
Cadmium	2.4		0.99	0.11	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.21	J	0.39	0.056	mg/Kg	1	✱	6020B	Total/NA
Barium	420		2.0	0.14	mg/Kg	1	✱	6020B	Total/NA
Nickel	12.9		2.0	0.46	mg/Kg	1	✱	6020B	Total/NA
Silver	0.15	J	0.39	0.088	mg/Kg	1	✱	6020B	Total/NA
Arsenic	4.5		0.99	0.10	mg/Kg	1	✱	6020B	Total/NA
Copper	22.6		2.0	0.36	mg/Kg	1	✱	6020B	Total/NA

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: 460-311117-1

Client Sample ID: RXSB-1_4-6 (Continued)

Lab Sample ID: 460-311117-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	589		0.59	0.20	mg/Kg	1		✱	6020B	Total/NA
Zinc	467		7.9	3.0	mg/Kg	1		✱	6020B	Total/NA
Selenium	0.23	J	1.2	0.13	mg/Kg	1		✱	6020B	Total/NA
Manganese	113		3.9	0.40	mg/Kg	1		✱	6020B	Total/NA
Chromium	12.2		2.0	0.90	mg/Kg	1		✱	6020B	Total/NA
Mercury	0.39		0.017	0.0080	mg/Kg	1		✱	7471B	Total/NA
Cr (III)	12.2		2.0	2.0	mg/Kg	1		✱	7196A	Total/NA
Cyanide, Total	0.33		0.22	0.12	mg/Kg	1		✱	9012B	Total/NA

Client Sample ID: TB_09102024

Lab Sample ID: 460-311117-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	0.51	J	1.0	0.32	ug/L	1			8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2

Lab Sample ID: 460-311117-1

Date Collected: 09/10/24 08:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☆	09/11/24 19:28	09/13/24 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		71 - 128	09/11/24 19:28	09/13/24 15:04	1
Dibromofluoromethane (Surr)	117		50 - 150	09/11/24 19:28	09/13/24 15:04	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 138	09/11/24 19:28	09/13/24 15:04	1
Toluene-d8 (Surr)	98		71 - 126	09/11/24 19:28	09/13/24 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Acenaphthene	0.014	J	0.35	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Acenaphthylene	0.11	J	0.35	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Anthracene	0.080	J	0.35	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Benzo[a]anthracene	0.41		0.035	0.027	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Benzo[a]pyrene	0.99		0.035	0.0094	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Benzo[b]fluoranthene	1.0		0.035	0.0092	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2

Lab Sample ID: 460-311117-1

Date Collected: 09/10/24 08:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	2.2		0.35	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Benzo[k]fluoranthene	0.60		0.035	0.0070	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Chrysene	0.47		0.35	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Dibenz(a,h)anthracene	1.6		0.035	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Dibenzofuran	0.013	J	0.35	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Fluoranthene	0.64		0.35	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Fluorene	0.012	J	0.35	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Indeno[1,2,3-cd]pyrene	1.9		0.035	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Naphthalene	0.037	J	0.35	0.0061	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Phenanthrene	0.22	J	0.35	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1
Pyrene	0.76		0.35	0.0088	mg/Kg	☆	09/11/24 20:46	09/12/24 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		24 - 137	09/11/24 20:46	09/12/24 13:20	1
2-Fluorobiphenyl	90		38 - 128	09/11/24 20:46	09/12/24 13:20	1
2-Fluorophenol (Surr)	85		31 - 133	09/11/24 20:46	09/12/24 13:20	1
Nitrobenzene-d5 (Surr)	91		31 - 120	09/11/24 20:46	09/12/24 13:20	1
Phenol-d5 (Surr)	87		35 - 132	09/11/24 20:46	09/12/24 13:20	1
Terphenyl-d14 (Surr)	89		44 - 147	09/11/24 20:46	09/12/24 13:20	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☆	09/12/24 17:07	09/13/24 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		17 - 150	09/12/24 17:07	09/13/24 05:17	1
DCB Decachlorobiphenyl	54		17 - 150	09/12/24 17:07	09/13/24 05:17	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2

Lab Sample ID: 460-311117-1

Date Collected: 09/10/24 08:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 92.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	34		21 - 150	09/12/24 17:07	09/13/24 05:17	1
Tetrachloro-m-xylene	35		21 - 150	09/12/24 17:07	09/13/24 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1221	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1232	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1242	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1248	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1254	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1260	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor-1262	3.9		0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Aroclor 1268	0.72	U	0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10
Polychlorinated biphenyls, Total	3.9		0.72	0.19	mg/Kg	☆	09/12/24 16:57	09/16/24 11:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		20 - 150	09/12/24 16:57	09/16/24 11:58	10
DCB Decachlorobiphenyl	100		20 - 150	09/12/24 16:57	09/16/24 11:58	10
Tetrachloro-m-xylene	45		20 - 150	09/12/24 16:57	09/16/24 11:58	10
Tetrachloro-m-xylene	54		20 - 150	09/12/24 16:57	09/16/24 11:58	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	17.7		1.0	0.11	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Beryllium	0.44		0.40	0.057	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Barium	2450		20.1	1.5	mg/Kg	☆	09/13/24 07:41	09/13/24 16:46	10
Nickel	391		2.0	0.47	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Silver	1.4		0.40	0.090	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Arsenic	17.5		1.0	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Copper	813		2.0	0.37	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Lead	9060		6.0	2.0	mg/Kg	☆	09/13/24 07:41	09/13/24 16:46	10
Zinc	11500		80.5	30.7	mg/Kg	☆	09/13/24 07:41	09/13/24 16:46	10
Selenium	1.5		1.3	0.13	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Manganese	383		4.0	0.41	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1
Chromium	383		2.0	0.91	mg/Kg	☆	09/13/24 07:41	09/13/24 15:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.6		0.34	0.16	mg/Kg	☆	09/16/24 00:42	09/16/24 07:56	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	382		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	1.5	J	2.2	0.91	mg/Kg	☆	09/18/24 09:46	09/18/24 11:40	1
Cyanide, Total (SW846 9012B)	1.3		0.23	0.13	mg/Kg	☆	09/14/24 21:29	09/15/24 17:49	1
Percent Moisture (EPA Moisture)	7.2		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	92.8		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Date Collected: 09/10/24 08:15

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,4-Dioxane	0.12	U	0.12	0.011	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1
tert-Butylbenzene	0.0012	U *	0.0012	0.00033	mg/Kg	☆	09/11/24 19:29	09/13/24 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		71 - 128	09/11/24 19:29	09/13/24 15:29	1
Dibromofluoromethane (Surr)	121		50 - 150	09/11/24 19:29	09/13/24 15:29	1
1,2-Dichloroethane-d4 (Surr)	108		65 - 138	09/11/24 19:29	09/13/24 15:29	1
Toluene-d8 (Surr)	102		71 - 126	09/11/24 19:29	09/13/24 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Acenaphthene	0.012	J	0.33	0.0094	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Acenaphthylene	0.47		0.33	0.0095	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Anthracene	0.31	J	0.33	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Benzo[a]anthracene	2.2		0.033	0.025	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Benzo[a]pyrene	1.8		0.033	0.0088	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Benzo[b]fluoranthene	2.9		0.033	0.0086	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Date Collected: 09/10/24 08:15

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.85		0.33	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Benzo[k]fluoranthene	1.2		0.033	0.0065	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Chrysene	2.2		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Dibenzofuran	0.012	J	0.33	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Fluoranthene	3.9		0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Fluorene	0.037	J	0.33	0.0097	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Indeno[1,2,3-cd]pyrene	0.99		0.033	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Naphthalene	0.027	J	0.33	0.0057	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Phenanthrene	0.61		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1
Pyrene	3.5		0.33	0.0082	mg/Kg	☆	09/11/24 20:46	09/12/24 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		24 - 137	09/11/24 20:46	09/12/24 11:53	1
2-Fluorobiphenyl	99		38 - 128	09/11/24 20:46	09/12/24 11:53	1
2-Fluorophenol (Surr)	98		31 - 133	09/11/24 20:46	09/12/24 11:53	1
Nitrobenzene-d5 (Surr)	100		31 - 120	09/11/24 20:46	09/12/24 11:53	1
Phenol-d5 (Surr)	102		35 - 132	09/11/24 20:46	09/12/24 11:53	1
Terphenyl-d14 (Surr)	101		44 - 147	09/11/24 20:46	09/12/24 11:53	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
4,4'-DDE	0.0068	U	0.0068	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
4,4'-DDT	0.0068	U	0.0068	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Endrin	0.0068	U	0.0068	0.00097	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Methoxychlor	0.0068	U	0.0068	0.0015	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1
Toxaphene	0.068	U	0.068	0.024	mg/Kg	☆	09/12/24 17:07	09/13/24 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		17 - 150	09/12/24 17:07	09/13/24 05:30	1
DCB Decachlorobiphenyl	85		17 - 150	09/12/24 17:07	09/13/24 05:30	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Date Collected: 09/10/24 08:15

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		21 - 150	09/12/24 17:07	09/13/24 05:30	1
Tetrachloro-m-xylene	70		21 - 150	09/12/24 17:07	09/13/24 05:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		20 - 150	09/12/24 16:57	09/13/24 18:00	1
DCB Decachlorobiphenyl	98		20 - 150	09/12/24 16:57	09/13/24 18:00	1
Tetrachloro-m-xylene	89		20 - 150	09/12/24 16:57	09/13/24 18:00	1
Tetrachloro-m-xylene	98		20 - 150	09/12/24 16:57	09/13/24 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.16	J	0.92	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Beryllium	0.37	U	0.37	0.052	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Barium	15.7		1.8	0.13	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Nickel	3.9		1.8	0.43	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Silver	0.37	U	0.37	0.082	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Arsenic	1.1		0.92	0.094	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Copper	4.6		1.8	0.34	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Lead	36.4		0.55	0.18	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Zinc	146		7.3	2.8	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Selenium	1.1	U	1.1	0.12	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Manganese	26.9		3.7	0.37	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1
Chromium	3.0		1.8	0.83	mg/Kg	☆	09/13/24 07:41	09/13/24 15:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.017	0.0078	mg/Kg	☆	09/16/24 00:42	09/16/24 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	3.0		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☆	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.11	J	0.21	0.11	mg/Kg	☆	09/14/24 21:29	09/15/24 17:50	1
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	99.1		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_0-2

Lab Sample ID: 460-311117-3

Date Collected: 09/10/24 09:40

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Acetone	0.0085	U	0.0085	0.0081	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,4-Dioxane	0.14	U	0.14	0.013	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00052	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
Xylenes, Total	0.0028	U	0.0028	0.00025	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00039	mg/Kg	☆	09/11/24 19:30	09/13/24 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		71 - 128	09/11/24 19:30	09/13/24 15:54	1
Dibromofluoromethane (Surr)	117		50 - 150	09/11/24 19:30	09/13/24 15:54	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 138	09/11/24 19:30	09/13/24 15:54	1
Toluene-d8 (Surr)	96		71 - 126	09/11/24 19:30	09/13/24 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Acenaphthene	0.062	J	0.35	0.0099	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Acenaphthylene	0.093	J	0.35	0.0099	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Anthracene	0.20	J	0.35	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Benzo[a]anthracene	1.0		0.035	0.026	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Benzo[a]pyrene	1.0		0.035	0.0093	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Benzo[b]fluoranthene	1.5		0.035	0.0090	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_0-2

Lab Sample ID: 460-311117-3

Date Collected: 09/10/24 09:40

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.43		0.35	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Benzo[k]fluoranthene	0.54		0.035	0.0068	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Chrysene	0.97		0.35	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Dibenz(a,h)anthracene	0.13		0.035	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Dibenzofuran	0.022	J	0.35	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Fluoranthene	1.9		0.35	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Fluorene	0.048	J	0.35	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Hexachlorobenzene	0.035	U	0.035	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Indeno[1,2,3-cd]pyrene	0.53		0.035	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Naphthalene	0.026	J	0.35	0.0060	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Phenanthrene	0.84		0.35	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1
Pyrene	1.6		0.35	0.0086	mg/Kg	☆	09/11/24 20:46	09/12/24 10:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		24 - 137	09/11/24 20:46	09/12/24 10:09	1
2-Fluorobiphenyl	97		38 - 128	09/11/24 20:46	09/12/24 10:09	1
2-Fluorophenol (Surr)	97		31 - 133	09/11/24 20:46	09/12/24 10:09	1
Nitrobenzene-d5 (Surr)	98		31 - 120	09/11/24 20:46	09/12/24 10:09	1
Phenol-d5 (Surr)	101		35 - 132	09/11/24 20:46	09/12/24 10:09	1
Terphenyl-d14 (Surr)	96		44 - 147	09/11/24 20:46	09/12/24 10:09	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Endosulfan sulfate	0.0071	U	0.0071	0.00088	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1
Toxaphene	0.071	U	0.071	0.025	mg/Kg	☆	09/12/24 17:07	09/13/24 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		17 - 150	09/12/24 17:07	09/13/24 05:43	1
DCB Decachlorobiphenyl	55		17 - 150	09/12/24 17:07	09/13/24 05:43	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_0-2

Lab Sample ID: 460-311117-3

Date Collected: 09/10/24 09:40

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 94.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	41		21 - 150	09/12/24 17:07	09/13/24 05:43	1
Tetrachloro-m-xylene	43		21 - 150	09/12/24 17:07	09/13/24 05:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	✱	09/12/24 16:57	09/13/24 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		20 - 150	09/12/24 16:57	09/13/24 18:18	1
DCB Decachlorobiphenyl	61		20 - 150	09/12/24 16:57	09/13/24 18:18	1
Tetrachloro-m-xylene	57		20 - 150	09/12/24 16:57	09/13/24 18:18	1
Tetrachloro-m-xylene	47		20 - 150	09/12/24 16:57	09/13/24 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.5		0.94	0.11	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Beryllium	0.27	J	0.38	0.054	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Barium	2290		9.4	0.68	mg/Kg	✱	09/13/24 07:41	09/13/24 16:48	5
Nickel	25.2		1.9	0.44	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Silver	0.11	J	0.38	0.084	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Arsenic	2.8		0.94	0.097	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Copper	30.6		1.9	0.35	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Lead	579		0.57	0.19	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Zinc	966		7.5	2.9	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Selenium	0.13	J	1.2	0.12	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Manganese	146		3.8	0.38	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1
Chromium	11.5		1.9	0.86	mg/Kg	✱	09/13/24 07:41	09/13/24 16:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43		0.018	0.0084	mg/Kg	✱	09/16/24 00:42	09/16/24 04:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	11.5		2.0	2.0	mg/Kg	✱		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.89	mg/Kg	✱	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.16	J	0.19	0.10	mg/Kg	✱	09/14/24 21:29	09/15/24 17:50	1
Percent Moisture (EPA Moisture)	5.2		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	94.8		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_4-6

Lab Sample ID: 460-311117-4

Date Collected: 09/10/24 09:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Acetone	0.0086	U	0.0086	0.0082	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Methylene Chloride	0.0029	U	0.0029	0.0016	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
o-Xylene	0.0014	U	0.0014	0.00028	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,4-Dioxane	0.14	U	0.14	0.013	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00053	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Vinyl chloride	0.0014	U	0.0014	0.00078	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00039	mg/Kg	☆	09/11/24 19:31	09/13/24 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		71 - 128	09/11/24 19:31	09/13/24 16:18	1
Dibromofluoromethane (Surr)	116		50 - 150	09/11/24 19:31	09/13/24 16:18	1
1,2-Dichloroethane-d4 (Surr)	103		65 - 138	09/11/24 19:31	09/13/24 16:18	1
Toluene-d8 (Surr)	97		71 - 126	09/11/24 19:31	09/13/24 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Acenaphthene	0.10	J	0.33	0.0095	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Acenaphthylene	0.37		0.33	0.0095	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Anthracene	0.75		0.33	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Benzo[a]anthracene	3.5		0.033	0.025	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Benzo[a]pyrene	3.5		0.033	0.0089	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Benzo[b]fluoranthene	4.6		0.033	0.0086	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_4-6

Lab Sample ID: 460-311117-4

Date Collected: 09/10/24 09:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	1.2		0.33	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Benzo[k]fluoranthene	2.4		0.033	0.0065	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Chrysene	3.5		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Dibenz(a,h)anthracene	0.37		0.033	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Dibenzofuran	0.050	J	0.33	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Fluoranthene	6.7		0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Fluorene	0.16	J	0.33	0.0097	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Indeno[1,2,3-cd]pyrene	1.5		0.033	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Naphthalene	0.067	J	0.33	0.0058	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Phenanthrene	2.9		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1
Pyrene	5.6		0.33	0.0083	mg/Kg	☆	09/11/24 20:46	09/12/24 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		24 - 137	09/11/24 20:46	09/12/24 12:10	1
2-Fluorobiphenyl	95		38 - 128	09/11/24 20:46	09/12/24 12:10	1
2-Fluorophenol (Surr)	93		31 - 133	09/11/24 20:46	09/12/24 12:10	1
Nitrobenzene-d5 (Surr)	95		31 - 120	09/11/24 20:46	09/12/24 12:10	1
Phenol-d5 (Surr)	96		35 - 132	09/11/24 20:46	09/12/24 12:10	1
Terphenyl-d14 (Surr)	97		44 - 147	09/11/24 20:46	09/12/24 12:10	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
4,4'-DDT	0.011		0.0067	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg	☆	09/12/24 17:07	09/13/24 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		17 - 150	09/12/24 17:07	09/13/24 05:56	1
DCB Decachlorobiphenyl	99		17 - 150	09/12/24 17:07	09/13/24 05:56	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_4-6

Lab Sample ID: 460-311117-4

Date Collected: 09/10/24 09:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		21 - 150	09/12/24 17:07	09/13/24 05:56	1
Tetrachloro-m-xylene	81		21 - 150	09/12/24 17:07	09/13/24 05:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	116		20 - 150	09/12/24 16:57	09/13/24 18:36	1
DCB Decachlorobiphenyl	102		20 - 150	09/12/24 16:57	09/13/24 18:36	1
Tetrachloro-m-xylene	101		20 - 150	09/12/24 16:57	09/13/24 18:36	1
Tetrachloro-m-xylene	100		20 - 150	09/12/24 16:57	09/13/24 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.24	J	0.93	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Beryllium	0.079	J	0.37	0.053	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Barium	224		1.9	0.13	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Nickel	5.8		1.9	0.43	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Silver	0.37	U	0.37	0.082	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Arsenic	1.1		0.93	0.095	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Copper	8.7		1.9	0.34	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Lead	207		0.56	0.19	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Zinc	243		7.4	2.8	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Selenium	1.2	U	1.2	0.12	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Manganese	35.4		3.7	0.37	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1
Chromium	10.4		1.9	0.84	mg/Kg	☆	09/13/24 07:41	09/13/24 16:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.016	0.0077	mg/Kg	☆	09/16/24 00:42	09/16/24 04:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.4		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☆	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.12	J	0.21	0.11	mg/Kg	☆	09/14/24 21:29	09/15/24 17:51	1
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	99.2		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Benzene	0.0012	U	0.0012	0.00032	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00026	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00037	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Acetone	0.0075	U	0.0075	0.0071	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Toluene	0.00075	J	0.0012	0.00029	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00046	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00064	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00031	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,4-Dioxane	0.12	U	0.12	0.011	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00046	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Ethylbenzene	0.0012	U	0.0012	0.00025	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00045	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00022	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Vinyl chloride	0.0012	U	0.0012	0.00068	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00028	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
n-Butylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00031	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
sec-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
N-Propylbenzene	0.0012	U	0.0012	0.00022	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1
tert-Butylbenzene	0.0012	U *	0.0012	0.00034	mg/Kg	✱	09/11/24 19:31	09/13/24 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		71 - 128	09/11/24 19:31	09/13/24 16:43	1
Dibromofluoromethane (Surr)	115		50 - 150	09/11/24 19:31	09/13/24 16:43	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 138	09/11/24 19:31	09/13/24 16:43	1
Toluene-d8 (Surr)	98		71 - 126	09/11/24 19:31	09/13/24 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
Acenaphthene	0.10	J	0.33	0.0095	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
Acenaphthylene	0.29	J	0.33	0.0095	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
Anthracene	0.46		0.33	0.010	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
Benzo[a]anthracene	2.6		0.033	0.025	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
Benzo[a]pyrene	2.9		0.033	0.0089	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1
Benzo[b]fluoranthene	4.2		0.033	0.0086	mg/Kg	✱	09/11/24 20:46	09/12/24 11:18	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	1.0		0.33	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Benzo[k]fluoranthene	1.7		0.033	0.0065	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Chrysene	2.6		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Dibenz(a,h)anthracene	0.18		0.033	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Dibenzofuran	0.048	J	0.33	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Fluoranthene	4.7		0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Fluorene	0.098	J	0.33	0.0097	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Indeno[1,2,3-cd]pyrene	1.1		0.033	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Naphthalene	0.046	J	0.33	0.0057	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Phenanthrene	1.8		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1
Pyrene	4.1		0.33	0.0083	mg/Kg	☆	09/11/24 20:46	09/12/24 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		24 - 137	09/11/24 20:46	09/12/24 11:18	1
2-Fluorobiphenyl	90		38 - 128	09/11/24 20:46	09/12/24 11:18	1
2-Fluorophenol (Surr)	88		31 - 133	09/11/24 20:46	09/12/24 11:18	1
Nitrobenzene-d5 (Surr)	90		31 - 120	09/11/24 20:46	09/12/24 11:18	1
Phenol-d5 (Surr)	92		35 - 132	09/11/24 20:46	09/12/24 11:18	1
Terphenyl-d14 (Surr)	91		44 - 147	09/11/24 20:46	09/12/24 11:18	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
4,4'-DDE	0.014		0.0067	0.00079	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
4,4'-DDT	0.027		0.0067	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg	☆	09/12/24 17:07	09/13/24 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	110		17 - 150	09/12/24 17:07	09/13/24 06:09	1
DCB Decachlorobiphenyl	102		17 - 150	09/12/24 17:07	09/13/24 06:09	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		21 - 150	09/12/24 17:07	09/13/24 06:09	1
Tetrachloro-m-xylene	86		21 - 150	09/12/24 17:07	09/13/24 06:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1254	0.18		0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1
Polychlorinated biphenyls, Total	0.18		0.067	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	149		20 - 150	09/12/24 16:57	09/13/24 18:54	1
DCB Decachlorobiphenyl	143		20 - 150	09/12/24 16:57	09/13/24 18:54	1
Tetrachloro-m-xylene	111		20 - 150	09/12/24 16:57	09/13/24 18:54	1
Tetrachloro-m-xylene	89		20 - 150	09/12/24 16:57	09/13/24 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.7		0.98	0.11	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Beryllium	0.23	J	0.39	0.056	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Barium	583		2.0	0.14	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Nickel	20.4		2.0	0.46	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Silver	0.19	J	0.39	0.087	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Arsenic	5.1		0.98	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Copper	61.2		2.0	0.36	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Lead	643		0.59	0.20	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Zinc	544		7.8	3.0	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Selenium	0.37	J	1.2	0.13	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Manganese	242		3.9	0.39	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1
Chromium	15.9		2.0	0.89	mg/Kg	☆	09/13/24 07:41	09/13/24 16:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.048	0.023	mg/Kg	☆	09/16/24 00:42	09/16/24 07:38	3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	15.9		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.85	mg/Kg	☆	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.45		0.22	0.12	mg/Kg	☆	09/14/24 21:29	09/15/24 17:52	1
Percent Moisture (EPA Moisture)	1.0	U	1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	99.3		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☆	09/11/24 19:32	09/13/24 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		71 - 128	09/11/24 19:32	09/13/24 17:08	1
Dibromofluoromethane (Surr)	118		50 - 150	09/11/24 19:32	09/13/24 17:08	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 138	09/11/24 19:32	09/13/24 17:08	1
Toluene-d8 (Surr)	98		71 - 126	09/11/24 19:32	09/13/24 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Acenaphthene	0.33	U	0.33	0.0095	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Acenaphthylene	0.029	J	0.33	0.0095	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Anthracene	0.047	J	0.33	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Benzo[a]anthracene	0.16		0.033	0.025	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Benzo[a]pyrene	0.16		0.033	0.0089	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Benzo[b]fluoranthene	0.20		0.033	0.0086	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.16	J	0.33	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Benzo[k]fluoranthene	0.084		0.033	0.0065	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Chrysene	0.16	J	0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Dibenz(a,h)anthracene	0.023	J	0.033	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Fluoranthene	0.32	J	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Fluorene	0.33	U	0.33	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Indeno[1,2,3-cd]pyrene	0.15		0.033	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Naphthalene	0.014	J	0.33	0.0058	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Phenanthrene	0.12	J	0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1
Pyrene	0.26	J	0.33	0.0083	mg/Kg	☆	09/11/24 20:46	09/12/24 09:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		24 - 137	09/11/24 20:46	09/12/24 09:52	1
2-Fluorobiphenyl	97		38 - 128	09/11/24 20:46	09/12/24 09:52	1
2-Fluorophenol (Surr)	97		31 - 133	09/11/24 20:46	09/12/24 09:52	1
Nitrobenzene-d5 (Surr)	99		31 - 120	09/11/24 20:46	09/12/24 09:52	1
Phenol-d5 (Surr)	101		35 - 132	09/11/24 20:46	09/12/24 09:52	1
Terphenyl-d14 (Surr)	98		44 - 147	09/11/24 20:46	09/12/24 09:52	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
4,4'-DDE	0.0067	U	0.0067	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Endosulfan sulfate	0.0067	U	0.0067	0.00085	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Endrin	0.0067	U	0.0067	0.00097	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Heptachlor	0.0067	U	0.0067	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg	☆	09/12/24 17:07	09/13/24 06:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		17 - 150	09/12/24 17:07	09/13/24 06:22	1
DCB Decachlorobiphenyl	91		17 - 150	09/12/24 17:07	09/13/24 06:22	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.0

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		21 - 150	09/12/24 17:07	09/13/24 06:22	1
Tetrachloro-m-xylene	75		21 - 150	09/12/24 17:07	09/13/24 06:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	114		20 - 150	09/12/24 16:57	09/13/24 19:12	1
DCB Decachlorobiphenyl	118		20 - 150	09/12/24 16:57	09/13/24 19:12	1
Tetrachloro-m-xylene	102		20 - 150	09/12/24 16:57	09/13/24 19:12	1
Tetrachloro-m-xylene	97		20 - 150	09/12/24 16:57	09/13/24 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.41	J	0.90	0.10	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Beryllium	0.13	J	0.36	0.051	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Barium	307		1.8	0.13	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Nickel	12.2		1.8	0.42	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Silver	0.36	U	0.36	0.080	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Arsenic	1.4		0.90	0.093	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Copper	8.9		1.8	0.33	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Lead	255		0.54	0.18	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Zinc	397		7.2	2.8	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Selenium	0.12	J	1.1	0.12	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Manganese	56.3		3.6	0.36	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1
Chromium	6.3		1.8	0.82	mg/Kg	✱	09/13/24 07:41	09/13/24 16:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.017	0.0079	mg/Kg	✱	09/16/24 00:42	09/16/24 07:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	5.3		2.0	2.0	mg/Kg	✱		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	0.99	J	2.0	0.86	mg/Kg	✱	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.20	U	0.20	0.11	mg/Kg	✱	09/14/24 21:29	09/15/24 17:53	1
Percent Moisture (EPA Moisture)	1.0		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	99.0		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_0-2

Lab Sample ID: 460-311117-7

Date Collected: 09/10/24 11:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00035	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Benzene	0.0015	U	0.0015	0.00039	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Tetrachloroethene	0.0015	U	0.0015	0.00046	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Acetone	0.0090	U	0.0090	0.0086	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Methylene Chloride	0.0030	U	0.0030	0.0017	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Toluene	0.0015	U	0.0015	0.00035	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00077	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00037	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,4-Dioxane	0.15	U	0.15	0.014	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Trichloroethene	0.0015	U	0.0015	0.00048	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
2-Butanone (MEK)	0.0075	U	0.0075	0.00055	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Ethylbenzene	0.0015	U	0.0015	0.00030	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00054	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Vinyl chloride	0.0015	U	0.0015	0.00082	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Carbon tetrachloride	0.0015	U	0.0015	0.00058	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
n-Butylbenzene	0.0015	U	0.0015	0.00044	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,2,4-Trimethylbenzene	0.0015	U	0.0015	0.00037	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
sec-Butylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
N-Propylbenzene	0.0015	U	0.0015	0.00026	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
Xylenes, Total	0.0030	U	0.0030	0.00026	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
1,3,5-Trimethylbenzene	0.0015	U	0.0015	0.00047	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1
tert-Butylbenzene	0.0015	U *	0.0015	0.00041	mg/Kg	☆	09/11/24 19:33	09/13/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		71 - 128	09/11/24 19:33	09/13/24 17:33	1
Dibromofluoromethane (Surr)	117		50 - 150	09/11/24 19:33	09/13/24 17:33	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 138	09/11/24 19:33	09/13/24 17:33	1
Toluene-d8 (Surr)	98		71 - 126	09/11/24 19:33	09/13/24 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Acenaphthene	0.033	J	0.34	0.0097	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Acenaphthylene	0.12	J	0.34	0.0097	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Anthracene	0.14	J	0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Benzo[a]anthracene	0.86		0.034	0.026	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Benzo[a]pyrene	1.0		0.034	0.0091	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Benzo[b]fluoranthene	1.3		0.034	0.0088	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_0-2

Lab Sample ID: 460-311117-7

Date Collected: 09/10/24 11:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.48		0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Benzo[k]fluoranthene	0.66		0.034	0.0067	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Chrysene	1.0		0.34	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Dibenz(a,h)anthracene	0.12		0.034	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Dibenzofuran	0.015	J	0.34	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Fluoranthene	1.7		0.34	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Fluorene	0.032	J	0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Indeno[1,2,3-cd]pyrene	0.57		0.034	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Naphthalene	0.017	J	0.34	0.0059	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Phenanthrene	0.68		0.34	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1
Pyrene	1.6		0.34	0.0085	mg/Kg	☆	09/11/24 20:46	09/12/24 10:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		24 - 137	09/11/24 20:46	09/12/24 10:26	1
2-Fluorobiphenyl	98		38 - 128	09/11/24 20:46	09/12/24 10:26	1
2-Fluorophenol (Surr)	97		31 - 133	09/11/24 20:46	09/12/24 10:26	1
Nitrobenzene-d5 (Surr)	100		31 - 120	09/11/24 20:46	09/12/24 10:26	1
Phenol-d5 (Surr)	100		35 - 132	09/11/24 20:46	09/12/24 10:26	1
Terphenyl-d14 (Surr)	100		44 - 147	09/11/24 20:46	09/12/24 10:26	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
4,4'-DDE	0.0064	J	0.0069	0.00082	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
4,4'-DDT	0.0076		0.0069	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☆	09/12/24 17:07	09/13/24 06:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		17 - 150	09/12/24 17:07	09/13/24 06:35	1
DCB Decachlorobiphenyl	103		17 - 150	09/12/24 17:07	09/13/24 06:35	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_0-2

Lab Sample ID: 460-311117-7

Date Collected: 09/10/24 11:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		21 - 150	09/12/24 17:07	09/13/24 06:35	1
Tetrachloro-m-xylene	87		21 - 150	09/12/24 17:07	09/13/24 06:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	139		20 - 150	09/12/24 16:57	09/13/24 19:30	1
DCB Decachlorobiphenyl	144		20 - 150	09/12/24 16:57	09/13/24 19:30	1
Tetrachloro-m-xylene	117		20 - 150	09/12/24 16:57	09/13/24 19:30	1
Tetrachloro-m-xylene	99		20 - 150	09/12/24 16:57	09/13/24 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.9		0.97	0.11	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Beryllium	0.22	J	0.39	0.056	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Barium	387		1.9	0.14	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Nickel	15.1		1.9	0.46	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Silver	0.21	J	0.39	0.087	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Arsenic	4.1		0.97	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Copper	90.3		1.9	0.36	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Lead	475		0.58	0.19	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Zinc	553		7.8	3.0	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Selenium	0.31	J	1.2	0.12	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Manganese	139		3.9	0.39	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1
Chromium	13.7		1.9	0.89	mg/Kg	☆	09/13/24 07:41	09/13/24 16:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.73		0.017	0.0080	mg/Kg	☆	09/16/24 00:42	09/16/24 04:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	13.7		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.88	mg/Kg	☆	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.83		0.22	0.12	mg/Kg	☆	09/14/24 21:29	09/15/24 17:54	1
Percent Moisture (EPA Moisture)	3.2		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	96.8		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Date Collected: 09/10/24 11:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 98.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☆	09/11/24 19:34	09/13/24 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		71 - 128	09/11/24 19:34	09/13/24 19:11	1
Dibromofluoromethane (Surr)	116		50 - 150	09/11/24 19:34	09/13/24 19:11	1
1,2-Dichloroethane-d4 (Surr)	105		65 - 138	09/11/24 19:34	09/13/24 19:11	1
Toluene-d8 (Surr)	97		71 - 126	09/11/24 19:34	09/13/24 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
2-Methylphenol	0.33	U	0.33	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Acenaphthene	0.045	J	0.33	0.0095	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Acenaphthylene	0.14	J	0.33	0.0096	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Anthracene	0.26	J	0.33	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Benzo[a]anthracene	1.4		0.033	0.025	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Benzo[a]pyrene	1.2		0.033	0.0089	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Benzo[b]fluoranthene	1.6		0.033	0.0087	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Date Collected: 09/10/24 11:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 98.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.52		0.33	0.0099	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Benzo[k]fluoranthene	0.79		0.033	0.0066	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Chrysene	1.2		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Dibenz(a,h)anthracene	0.14		0.033	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Dibenzofuran	0.019	J	0.33	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Fluoranthene	2.5		0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Fluorene	0.055	J	0.33	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Indeno[1,2,3-cd]pyrene	0.61		0.033	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Naphthalene	0.020	J	0.33	0.0058	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Phenanthrene	0.98		0.33	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Phenol	0.33	U	0.33	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1
Pyrene	2.0		0.33	0.0083	mg/Kg	☆	09/11/24 20:46	09/12/24 10:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		24 - 137	09/11/24 20:46	09/12/24 10:44	1
2-Fluorobiphenyl	98		38 - 128	09/11/24 20:46	09/12/24 10:44	1
2-Fluorophenol (Surr)	97		31 - 133	09/11/24 20:46	09/12/24 10:44	1
Nitrobenzene-d5 (Surr)	98		31 - 120	09/11/24 20:46	09/12/24 10:44	1
Phenol-d5 (Surr)	101		35 - 132	09/11/24 20:46	09/12/24 10:44	1
Terphenyl-d14 (Surr)	100		44 - 147	09/11/24 20:46	09/12/24 10:44	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
4,4'-DDE	0.0068	U	0.0068	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
4,4'-DDT	0.0068	U	0.0068	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Chlordane (technical)	0.068	U	0.068	0.016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
cis-Chlordane	0.0068	U	0.0068	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Dieldrin	0.0020	U	0.0020	0.00088	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Endosulfan II	0.0068	U	0.0068	0.0017	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Endosulfan sulfate	0.0068	U	0.0068	0.00085	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Endrin	0.0068	U	0.0068	0.00097	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☆	09/12/24 17:07	09/13/24 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		17 - 150	09/12/24 17:07	09/13/24 06:48	1
DCB Decachlorobiphenyl	72		17 - 150	09/12/24 17:07	09/13/24 06:48	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Date Collected: 09/10/24 11:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 98.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		21 - 150	09/12/24 17:07	09/13/24 06:48	1
Tetrachloro-m-xylene	55		21 - 150	09/12/24 17:07	09/13/24 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		20 - 150	09/12/24 16:57	09/13/24 19:47	1
DCB Decachlorobiphenyl	92		20 - 150	09/12/24 16:57	09/13/24 19:47	1
Tetrachloro-m-xylene	72		20 - 150	09/12/24 16:57	09/13/24 19:47	1
Tetrachloro-m-xylene	75		20 - 150	09/12/24 16:57	09/13/24 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.15	J	0.89	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Beryllium	0.36	U	0.36	0.051	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Barium	69.7		1.8	0.13	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Nickel	3.2		1.8	0.42	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Silver	0.36	U	0.36	0.079	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Arsenic	1.6		0.89	0.092	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Copper	13.7		1.8	0.33	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Lead	122		0.53	0.18	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Zinc	92.3		7.1	2.7	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Selenium	1.1	U	1.1	0.11	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Manganese	24.1		3.6	0.36	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1
Chromium	3.8		1.8	0.81	mg/Kg	☆	09/13/24 07:41	09/13/24 16:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.016	0.0077	mg/Kg	☆	09/16/24 00:42	09/16/24 04:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	3.8		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.0	U	2.0	0.86	mg/Kg	☆	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.38		0.23	0.12	mg/Kg	☆	09/14/24 21:29	09/15/24 17:55	1
Percent Moisture (EPA Moisture)	1.4		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	98.6		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_0-2

Lab Sample ID: 460-311117-9

Date Collected: 09/10/24 13:00

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Acetone	0.0083	U	0.0083	0.0079	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
o-Xylene	0.00063	J	0.0014	0.00027	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,4-Dioxane	0.14	U	0.14	0.013	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Trichloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
2-Butanone (MEK)	0.0069	U	0.0069	0.00051	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00049	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
m-Xylene & p-Xylene	0.0012	J	0.0014	0.00024	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Vinyl chloride	0.0014	U	0.0014	0.00075	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Carbon tetrachloride	0.0014	U	0.0014	0.00053	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00034	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
N-Propylbenzene	0.0014	U	0.0014	0.00024	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
Xylenes, Total	0.0019	J	0.0028	0.00024	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00043	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00038	mg/Kg	☆	09/11/24 19:34	09/13/24 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		71 - 128	09/11/24 19:34	09/13/24 19:36	1
Dibromofluoromethane (Surr)	120		50 - 150	09/11/24 19:34	09/13/24 19:36	1
1,2-Dichloroethane-d4 (Surr)	107		65 - 138	09/11/24 19:34	09/13/24 19:36	1
Toluene-d8 (Surr)	97		71 - 126	09/11/24 19:34	09/13/24 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Acenaphthene	0.035	J	0.34	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Acenaphthylene	0.074	J	0.34	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Anthracene	0.15	J	0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Benzo[a]anthracene	0.45		0.034	0.026	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Benzo[a]pyrene	0.72		0.034	0.0091	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Benzo[b]fluoranthene	0.76		0.034	0.0089	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_0-2

Lab Sample ID: 460-311117-9

Date Collected: 09/10/24 13:00

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	1.0	*	0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Benzo[k]fluoranthene	0.38	*	0.034	0.0067	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Chrysene	0.50		0.34	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Dibenz(a,h)anthracene	0.24		0.034	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Dibenzofuran	0.031	J	0.34	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Fluoranthene	1.0		0.34	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Fluorene	0.042	J	0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Indeno[1,2,3-cd]pyrene	1.0		0.034	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Naphthalene	0.024	J	0.34	0.0059	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Pentachlorophenol	0.28	U	0.28	0.070	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Phenanthrene	0.63		0.34	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1
Pyrene	0.85		0.34	0.0085	mg/Kg	☆	09/11/24 20:46	09/12/24 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		24 - 137	09/11/24 20:46	09/12/24 11:36	1
2-Fluorobiphenyl	96		38 - 128	09/11/24 20:46	09/12/24 11:36	1
2-Fluorophenol (Surr)	95		31 - 133	09/11/24 20:46	09/12/24 11:36	1
Nitrobenzene-d5 (Surr)	96		31 - 120	09/11/24 20:46	09/12/24 11:36	1
Phenol-d5 (Surr)	99		35 - 132	09/11/24 20:46	09/12/24 11:36	1
Terphenyl-d14 (Surr)	96		44 - 147	09/11/24 20:46	09/12/24 11:36	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
4,4'-DDE	0.0051	J	0.0069	0.00082	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
4,4'-DDT	0.0072		0.0069	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☆	09/12/24 17:07	09/13/24 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	115		17 - 150	09/12/24 17:07	09/13/24 07:01	1
DCB Decachlorobiphenyl	107		17 - 150	09/12/24 17:07	09/13/24 07:01	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_0-2

Lab Sample ID: 460-311117-9

Date Collected: 09/10/24 13:00

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		21 - 150	09/12/24 17:07	09/13/24 07:01	1
Tetrachloro-m-xylene	91		21 - 150	09/12/24 17:07	09/13/24 07:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	✱	09/12/24 16:57	09/13/24 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	123		20 - 150	09/12/24 16:57	09/13/24 14:34	1
DCB Decachlorobiphenyl	88		20 - 150	09/12/24 16:57	09/13/24 14:34	1
Tetrachloro-m-xylene	96		20 - 150	09/12/24 16:57	09/13/24 14:34	1
Tetrachloro-m-xylene	65		20 - 150	09/12/24 16:57	09/13/24 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.69	J	1.0	0.12	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Beryllium	0.18	J	0.41	0.059	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Barium	325		2.1	0.15	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Nickel	11.2		2.1	0.49	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Silver	0.17	J	0.41	0.092	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Arsenic	5.3		1.0	0.11	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Copper	22.2		2.1	0.38	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Lead	441		0.62	0.21	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Zinc	342		8.3	3.2	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Selenium	0.24	J	1.3	0.13	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Manganese	99.2		4.1	0.42	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1
Chromium	12.7		2.1	0.94	mg/Kg	✱	09/13/24 07:41	09/13/24 15:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43		0.017	0.0080	mg/Kg	✱	09/16/24 00:42	09/16/24 04:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	11.8		2.0	2.0	mg/Kg	✱		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	0.97	J	2.1	0.88	mg/Kg	✱	09/18/24 09:46	09/18/24 11:40	1
Cyanide, Total (SW846 9012B)	0.51		0.25	0.14	mg/Kg	✱	09/14/24 21:29	09/15/24 17:42	1
Percent Moisture (EPA Moisture)	3.6		1.0	1.0	%			09/15/24 09:52	1
Percent Solids (EPA Moisture)	96.4		1.0	1.0	%			09/15/24 09:52	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_4-6

Lab Sample ID: 460-311117-10

Date Collected: 09/10/24 13:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Benzene	0.0013	U	0.0013	0.00032	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Acetone	0.0075	U	0.0075	0.0072	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
o-Xylene	0.00051	J	0.0013	0.00024	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,4-Dioxane	0.13	U	0.13	0.012	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
m-Xylene & p-Xylene	0.0010	J	0.0013	0.00022	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
Xylenes, Total	0.0015	J	0.0025	0.00022	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1
tert-Butylbenzene	0.0013	U *	0.0013	0.00035	mg/Kg	☆	09/11/24 19:37	09/13/24 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		71 - 128	09/11/24 19:37	09/13/24 20:00	1
Dibromofluoromethane (Surr)	116		50 - 150	09/11/24 19:37	09/13/24 20:00	1
1,2-Dichloroethane-d4 (Surr)	106		65 - 138	09/11/24 19:37	09/13/24 20:00	1
Toluene-d8 (Surr)	98		71 - 126	09/11/24 19:37	09/13/24 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Acenaphthene	0.10	J	0.34	0.0097	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Acenaphthylene	0.22	J	0.34	0.0098	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Anthracene	0.34		0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Benzo[a]anthracene	1.5		0.034	0.026	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Benzo[a]pyrene	1.6		0.034	0.0091	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Benzo[b]fluoranthene	2.2		0.034	0.0088	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_4-6

Lab Sample ID: 460-311117-10

Date Collected: 09/10/24 13:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.75		0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Benzo[k]fluoranthene	0.96		0.034	0.0067	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Chrysene	1.5		0.34	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Dibenz(a,h)anthracene	0.13		0.034	0.015	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Dibenzofuran	0.052	J	0.34	0.011	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Fluoranthene	2.8		0.34	0.012	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Fluorene	0.093	J	0.34	0.010	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Indeno[1,2,3-cd]pyrene	0.82		0.034	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Naphthalene	0.045	J	0.34	0.0059	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Pentachlorophenol	0.16	J	0.27	0.070	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Phenanthrene	1.4		0.34	0.014	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1
Pyrene	2.5		0.34	0.0085	mg/Kg	☆	09/11/24 20:46	09/12/24 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		24 - 137	09/11/24 20:46	09/12/24 11:01	1
2-Fluorobiphenyl	87		38 - 128	09/11/24 20:46	09/12/24 11:01	1
2-Fluorophenol (Surr)	84		31 - 133	09/11/24 20:46	09/12/24 11:01	1
Nitrobenzene-d5 (Surr)	85		31 - 120	09/11/24 20:46	09/12/24 11:01	1
Phenol-d5 (Surr)	89		35 - 132	09/11/24 20:46	09/12/24 11:01	1
Terphenyl-d14 (Surr)	90		44 - 147	09/11/24 20:46	09/12/24 11:01	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
4,4'-DDE	0.0044	J	0.0069	0.00082	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
4,4'-DDT	0.014		0.0069	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☆	09/12/24 17:07	09/13/24 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		17 - 150	09/12/24 17:07	09/13/24 07:40	1
DCB Decachlorobiphenyl	70		17 - 150	09/12/24 17:07	09/13/24 07:40	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_4-6

Lab Sample ID: 460-311117-10

Date Collected: 09/10/24 13:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56		21 - 150	09/12/24 17:07	09/13/24 07:40	1
Tetrachloro-m-xylene	57		21 - 150	09/12/24 17:07	09/13/24 07:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☆	09/12/24 16:57	09/13/24 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		20 - 150	09/12/24 16:57	09/13/24 20:05	1
DCB Decachlorobiphenyl	93		20 - 150	09/12/24 16:57	09/13/24 20:05	1
Tetrachloro-m-xylene	76		20 - 150	09/12/24 16:57	09/13/24 20:05	1
Tetrachloro-m-xylene	62		20 - 150	09/12/24 16:57	09/13/24 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.4		0.99	0.11	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Beryllium	0.21	J	0.39	0.056	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Barium	420		2.0	0.14	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Nickel	12.9		2.0	0.46	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Silver	0.15	J	0.39	0.088	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Arsenic	4.5		0.99	0.10	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Copper	22.6		2.0	0.36	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Lead	589		0.59	0.20	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Zinc	467		7.9	3.0	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Selenium	0.23	J	1.2	0.13	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Manganese	113		3.9	0.40	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1
Chromium	12.2		2.0	0.90	mg/Kg	☆	09/13/24 07:41	09/13/24 16:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.39		0.017	0.0080	mg/Kg	☆	09/16/24 00:42	09/16/24 04:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	12.2		2.0	2.0	mg/Kg	☆		09/16/24 09:13	1
Cr (VI) (SW846 7196A)	2.1	U	2.1	0.88	mg/Kg	☆	09/18/24 09:46	09/18/24 13:40	1
Cyanide, Total (SW846 9012B)	0.33		0.22	0.12	mg/Kg	☆	09/14/24 21:29	09/15/24 17:59	1
Percent Moisture (EPA Moisture)	3.5		1.0	1.0	%			09/11/24 16:14	1
Percent Solids (EPA Moisture)	96.5		1.0	1.0	%			09/11/24 16:14	1

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Client Sample Results

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

Job ID: 460-311117-1

Client Sample ID: TB_09102024

Lab Sample ID: 460-311117-11

Date Collected: 09/10/24 13:10

Matrix: Water

Date Received: 09/10/24 18:30

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			09/13/24 09:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 09:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 09:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 09:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 09:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 09:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 09:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 09:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 09:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 09:36	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 09:36	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 09:36	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			09/13/24 09:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 09:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 09:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 09:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 09:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			09/13/24 09:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 09:36	1
Methylene Chloride	0.51	J	1.0	0.32	ug/L			09/13/24 09:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 09:36	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 09:36	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 09:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 09:36	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 09:36	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 09:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 09:36	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 09:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 09:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 09:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 09:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 09:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 128		09/13/24 09:36	1
4-Bromofluorobenzene	100		76 - 120		09/13/24 09:36	1
Dibromofluoromethane (Surr)	106		77 - 132		09/13/24 09:36	1
Toluene-d8 (Surr)	100		80 - 120		09/13/24 09:36	1

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Surrogate Summary

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

Job ID: 460-311117-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (71-128)	DBFM (50-150)	DCA (65-138)	TOL (71-126)
460-311117-1	RXSB-2_0-2	97	117	105	98
460-311117-2	RXSB-2_4-6	97	121	108	102
460-311117-3	RXSB-7_0-2	97	117	105	96
460-311117-4	RXSB-7_4-6	94	116	103	97
460-311117-5	RXSB-4_0-2	97	115	102	98
460-311117-6	RXSB-4_4-6	94	118	105	98
460-311117-7	RXSB-6_0-2	93	117	105	98
460-311117-8	RXSB-6_4-6	93	116	105	97
460-311117-9	RXSB-1_0-2	96	120	107	97
460-311117-9 MS	RXSB-1_0-2	95	115	103	101
460-311117-9 MSD	RXSB-1_0-2	100	118	107	105
460-311117-10	RXSB-1_4-6	94	116	106	98
LB3 460-995324/1-A	Method Blank	98	118	104	103
LCS 460-995597/3	Lab Control Sample	101	112	104	104
LCSD 460-995597/4	Lab Control Sample Dup	100	116	102	105
MB 460-995597/7	Method Blank	94	118	102	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

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

TOL = Toluene-d8 (Surr)

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)
460-311117-11	TB_09102024	99	100	106	100
LCS 460-995611/4	Lab Control Sample	97	103	105	100
LCSD 460-995611/5	Lab Control Sample Dup	98	103	104	101
MB 460-995611/8	Method Blank	99	100	104	99

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: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (24-137)	FBP (38-128)	2FP (31-133)	NBZ (31-120)	PHL (35-132)	TPHL (44-147)
460-311117-1	RXSB-2_0-2	84	90	85	91	87	89
460-311117-2	RXSB-2_4-6	96	99	98	100	102	101
460-311117-3	RXSB-7_0-2	93	97	97	98	101	96
460-311117-4	RXSB-7_4-6	93	95	93	95	96	97
460-311117-5	RXSB-4_0-2	87	90	88	90	92	91

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Surrogate Summary

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

Job ID: 460-311117-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (24-137)	FBP (38-128)	2FP (31-133)	NBZ (31-120)	PHL (35-132)	TPHL (44-147)
460-311117-6	RXSB-4_4-6	94	97	97	99	101	98
460-311117-7	RXSB-6_0-2	94	98	97	100	100	100
460-311117-8	RXSB-6_4-6	93	98	97	98	101	100
460-311117-9	RXSB-1_0-2	92	96	95	96	99	96
460-311117-9 MS	RXSB-1_0-2	98	101	96	102	104	102
460-311117-9 MSD	RXSB-1_0-2	90	93	89	92	97	93
460-311117-10	RXSB-1_4-6	85	87	84	85	89	90
LCS 460-995338/2-A	Lab Control Sample	102	104	105	109	110	105
LCSD 460-995338/3-A	Lab Control Sample Dup	98	101	101	105	107	102
MB 460-995338/1-A	Method Blank	90	102	101	107	105	105

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: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-311117-1	RXSB-2_0-2	54	54	35	34
460-311117-2	RXSB-2_4-6	85	83	70	70
460-311117-3	RXSB-7_0-2	55	52	43	41
460-311117-4	RXSB-7_4-6	99	99	81	80
460-311117-5	RXSB-4_0-2	102	110	86	87
460-311117-6	RXSB-4_4-6	91	97	75	75
460-311117-7	RXSB-6_0-2	103	106	87	87
460-311117-8	RXSB-6_4-6	72	69	55	53
460-311117-9	RXSB-1_0-2	107	115	91	91
460-311117-9 MS	RXSB-1_0-2	88	90	74	72
460-311117-9 MSD	RXSB-1_0-2	84	93	71	68
460-311117-10	RXSB-1_4-6	70	73	57	56
LCS 460-995513/2-A	Lab Control Sample	97	101	86	83
LCSD 460-995513/3-A	Lab Control Sample Dup	99	106	89	86
MB 460-995513/1-A	Method Blank	128	134	112	113

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-311117-1	RXSB-2_0-2	100	80	54	45

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Surrogate Summary

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

Job ID: 460-311117-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-311117-2	RXSB-2_4-6	98	100	98	89
460-311117-3	RXSB-7_0-2	61	95	47	57
460-311117-4	RXSB-7_4-6	102	116	100	101
460-311117-5	RXSB-4_0-2	143	149	89	111
460-311117-6	RXSB-4_4-6	118	114	97	102
460-311117-7	RXSB-6_0-2	144	139	99	117
460-311117-8	RXSB-6_4-6	92	87	75	72
460-311117-9	RXSB-1_0-2	88	123	65	96
460-311117-9 MS	RXSB-1_0-2	136	122	103	100
460-311117-9 MSD	RXSB-1_0-2	64	53	48	42
460-311117-10	RXSB-1_4-6	93	105	62	76
LCS 460-995504/2-A	Lab Control Sample	134	131	99	120
LCSD 460-995504/3-A	Lab Control Sample Dup	141	131	94	116
MB 460-995504/1-A	Method Blank	179 *	148	131	147

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LB3 460-995324/1-A

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995324

Analyte	LB3 LB3		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,4-Dioxane	0.10	U	0.10	0.0092	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg		09/11/24 19:28	09/13/24 11:19	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg		09/11/24 19:28	09/13/24 11:19	1

Surrogate	LB3 LB3		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	98		71 - 128	09/11/24 19:28	09/13/24 11:19	1
Dibromofluoromethane (Surr)	118		50 - 150	09/11/24 19:28	09/13/24 11:19	1
1,2-Dichloroethane-d4 (Surr)	104		65 - 138	09/11/24 19:28	09/13/24 11:19	1
Toluene-d8 (Surr)	103		71 - 126	09/11/24 19:28	09/13/24 11:19	1

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995324

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
1,1,1-Trichloroethane	0.0014	U	0.0297	0.0248		mg/Kg	☼	83	78 - 120
1,1-Dichloroethane	0.0014	U	0.0297	0.0291		mg/Kg	☼	98	72 - 120
1,1-Dichloroethene	0.0014	U	0.0297	0.0256		mg/Kg	☼	86	76 - 120
1,2,4-Trimethylbenzene	0.0014	U	0.0297	0.0110	*	mg/Kg	☼	37	75 - 120

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	0.0014	U	0.0297	0.0113	*	mg/Kg	☼	38	80 - 120
1,2-Dichloroethane	0.0014	U	0.0297	0.0232		mg/Kg	☼	78	70 - 123
1,3,5-Trimethylbenzene	0.0014	U	0.0297	0.0118	*	mg/Kg	☼	40	70 - 120
1,3-Dichlorobenzene	0.0014	U	0.0297	0.0102	*	mg/Kg	☼	34	80 - 120
1,4-Dichlorobenzene	0.0014	U	0.0297	0.0106	*	mg/Kg	☼	36	80 - 120
1,4-Dioxane	0.14	U	0.595	0.542		mg/Kg	☼	91	77 - 129
2-Butanone (MEK)	0.0069	U	0.149	0.0936	*	mg/Kg	☼	63	64 - 128
Acetone	0.0083	U	0.149	0.218	*	mg/Kg	☼	147	58 - 122
Benzene	0.0014	U	0.0297	0.0254		mg/Kg	☼	85	75 - 120
Carbon tetrachloride	0.0014	U	0.0297	0.0243		mg/Kg	☼	82	66 - 127
Chlorobenzene	0.0014	U	0.0297	0.0170	*	mg/Kg	☼	57	80 - 120
Chloroform	0.0014	U	0.0297	0.0269		mg/Kg	☼	90	79 - 126
cis-1,2-Dichloroethene	0.0014	U	0.0297	0.0258		mg/Kg	☼	87	80 - 123
Ethylbenzene	0.0014	U	0.0297	0.0171	*	mg/Kg	☼	58	80 - 120
Methyl tert-butyl ether	0.0014	U	0.0297	0.0264		mg/Kg	☼	89	74 - 125
Methylene Chloride	0.0028	U	0.0297	0.0273		mg/Kg	☼	92	78 - 120
m-Xylene & p-Xylene	0.0012	J	0.0297	0.0179	*	mg/Kg	☼	56	80 - 120
n-Butylbenzene	0.0014	U	0.0297	0.00852	*	mg/Kg	☼	29	72 - 120
N-Propylbenzene	0.0014	U	0.0297	0.0118	*	mg/Kg	☼	40	68 - 120
o-Xylene	0.00063	J	0.0297	0.0171	*	mg/Kg	☼	56	80 - 120
sec-Butylbenzene	0.0014	U	0.0297	0.00956	*	mg/Kg	☼	32	78 - 120
tert-Butylbenzene	0.0014	U *	0.0297	0.0102	*	mg/Kg	☼	34	80 - 120
Tetrachloroethene	0.0014	U	0.0297	0.0167	*	mg/Kg	☼	56	73 - 120
Toluene	0.0014	U	0.0297	0.0195	*	mg/Kg	☼	66	80 - 120
trans-1,2-Dichloroethene	0.0014	U	0.0297	0.0246		mg/Kg	☼	83	78 - 120
Trichloroethene	0.0014	U	0.0297	0.0200	*	mg/Kg	☼	67	80 - 120
Vinyl chloride	0.0014	U	0.0297	0.0274		mg/Kg	☼	92	54 - 122
Xylenes, Total	0.0019	J	0.0595	0.0351	*	mg/Kg	☼	56	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		65 - 138
4-Bromofluorobenzene	95		71 - 128
Dibromofluoromethane (Surr)	115		50 - 150
Toluene-d8 (Surr)	101		71 - 126

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,1,1-Trichloroethane	0.0014	U	0.0283	0.0245		mg/Kg	☼	87	78 - 120	1	30
1,1-Dichloroethane	0.0014	U	0.0283	0.0282		mg/Kg	☼	100	72 - 120	3	30
1,1-Dichloroethene	0.0014	U	0.0283	0.0244		mg/Kg	☼	86	76 - 120	5	30
1,2,4-Trimethylbenzene	0.0014	U	0.0283	0.0106	*	mg/Kg	☼	38	75 - 120	4	30
1,2-Dichlorobenzene	0.0014	U	0.0283	0.0111	*	mg/Kg	☼	39	80 - 120	2	30
1,2-Dichloroethane	0.0014	U	0.0283	0.0220		mg/Kg	☼	78	70 - 123	5	30
1,3,5-Trimethylbenzene	0.0014	U	0.0283	0.0112	*	mg/Kg	☼	40	70 - 120	6	30
1,3-Dichlorobenzene	0.0014	U	0.0283	0.0103	*	mg/Kg	☼	37	80 - 120	1	30

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0014	U	0.0283	0.0104	*	mg/Kg	☼	37	80 - 120	2	30
1,4-Dioxane	0.14	U	0.565	0.549		mg/Kg	☼	97	77 - 129	1	30
2-Butanone (MEK)	0.0069	U	0.141	0.0917		mg/Kg	☼	65	64 - 128	2	30
Acetone	0.0083	U	0.141	0.201	*	mg/Kg	☼	142	58 - 122	8	30
Benzene	0.0014	U	0.0283	0.0249		mg/Kg	☼	88	75 - 120	2	30
Carbon tetrachloride	0.0014	U	0.0283	0.0238		mg/Kg	☼	84	66 - 127	2	30
Chlorobenzene	0.0014	U	0.0283	0.0166	*	mg/Kg	☼	59	80 - 120	3	30
Chloroform	0.0014	U	0.0283	0.0258		mg/Kg	☼	91	79 - 126	4	30
cis-1,2-Dichloroethene	0.0014	U	0.0283	0.0244		mg/Kg	☼	86	80 - 123	6	30
Ethylbenzene	0.0014	U	0.0283	0.0165	*	mg/Kg	☼	58	80 - 120	4	30
Methyl tert-butyl ether	0.0014	U	0.0283	0.0252		mg/Kg	☼	89	74 - 125	5	30
Methylene Chloride	0.0028	U	0.0283	0.0263		mg/Kg	☼	93	78 - 120	4	30
m-Xylene & p-Xylene	0.0012	J	0.0283	0.0174	*	mg/Kg	☼	57	80 - 120	3	30
n-Butylbenzene	0.0014	U	0.0283	0.00822	*	mg/Kg	☼	29	72 - 120	4	30
N-Propylbenzene	0.0014	U	0.0283	0.0115	*	mg/Kg	☼	41	68 - 120	2	30
o-Xylene	0.00063	J	0.0283	0.0165	*	mg/Kg	☼	56	80 - 120	4	30
sec-Butylbenzene	0.0014	U	0.0283	0.00940	*	mg/Kg	☼	33	78 - 120	2	30
tert-Butylbenzene	0.0014	U *	0.0283	0.00996	*	mg/Kg	☼	35	80 - 120	3	30
Tetrachloroethene	0.0014	U	0.0283	0.0172	*	mg/Kg	☼	61	73 - 120	3	30
Toluene	0.0014	U	0.0283	0.0192	*	mg/Kg	☼	68	80 - 120	2	30
trans-1,2-Dichloroethene	0.0014	U	0.0283	0.0235		mg/Kg	☼	83	78 - 120	5	30
Trichloroethene	0.0014	U	0.0283	0.0194	*	mg/Kg	☼	69	80 - 120	3	30
Vinyl chloride	0.0014	U	0.0283	0.0257		mg/Kg	☼	91	54 - 122	7	30
Xylenes, Total	0.0019	J	0.0565	0.0339	*	mg/Kg	☼	57	80 - 120	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		65 - 138
4-Bromofluorobenzene	100		71 - 128
Dibromofluoromethane (Surr)	118		50 - 150
Toluene-d8 (Surr)	105		71 - 126

Lab Sample ID: MB 460-995597/7

Matrix: Solid

Analysis Batch: 995597

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	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			09/13/24 10:55	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			09/13/24 10:55	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			09/13/24 10:55	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			09/13/24 10:55	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			09/13/24 10:55	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			09/13/24 10:55	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			09/13/24 10:55	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/13/24 10:55	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			09/13/24 10:55	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/13/24 10:55	1

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: MB 460-995597/7

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			09/13/24 10:55	1
1,4-Dioxane	0.10	U	0.10	0.0092	mg/Kg			09/13/24 10:55	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			09/13/24 10:55	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			09/13/24 10:55	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			09/13/24 10:55	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			09/13/24 10:55	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			09/13/24 10:55	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			09/13/24 10:55	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			09/13/24 10:55	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			09/13/24 10:55	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			09/13/24 10:55	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			09/13/24 10:55	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/13/24 10:55	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			09/13/24 10:55	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			09/13/24 10:55	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			09/13/24 10:55	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			09/13/24 10:55	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			09/13/24 10:55	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			09/13/24 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		71 - 128		09/13/24 10:55	1
Dibromofluoromethane (Surr)	118		50 - 150		09/13/24 10:55	1
1,2-Dichloroethane-d4 (Surr)	102		65 - 138		09/13/24 10:55	1
Toluene-d8 (Surr)	102		71 - 126		09/13/24 10:55	1

Lab Sample ID: LCS 460-995597/3

Matrix: Solid

Analysis Batch: 995597

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	0.0200	0.0185		mg/Kg		92	78 - 120
Benzene	0.0200	0.0200		mg/Kg		100	75 - 120
Tetrachloroethene	0.0200	0.0184		mg/Kg		92	73 - 120
1,1-Dichloroethane	0.0200	0.0210		mg/Kg		105	72 - 120
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 123
Acetone	0.100	0.0763		mg/Kg		76	58 - 122
Methylene Chloride	0.0200	0.0193		mg/Kg		97	78 - 120
Toluene	0.0200	0.0179		mg/Kg		90	80 - 120
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,3-Dichlorobenzene	0.0200	0.0174		mg/Kg		87	80 - 120
Methyl tert-butyl ether	0.0200	0.0190		mg/Kg		95	74 - 125
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 120
1,4-Dioxane	0.400	0.371		mg/Kg		93	77 - 129
1,1-Dichloroethene	0.0200	0.0199		mg/Kg		99	76 - 120
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCS 460-995597/3

Matrix: Solid

Analysis Batch: 995597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	0.0200	0.0185		mg/Kg		92	80 - 120
2-Butanone (MEK)	0.100	0.0769		mg/Kg		77	64 - 128
Ethylbenzene	0.0200	0.0183		mg/Kg		91	80 - 120
cis-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	80 - 123
Chloroform	0.0200	0.0191		mg/Kg		96	79 - 126
m-Xylene & p-Xylene	0.0200	0.0179		mg/Kg		90	80 - 120
Vinyl chloride	0.0200	0.0180		mg/Kg		90	54 - 122
Carbon tetrachloride	0.0200	0.0200		mg/Kg		100	66 - 127
1,4-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120
n-Butylbenzene	0.0200	0.0177		mg/Kg		88	72 - 120
1,2,4-Trimethylbenzene	0.0200	0.0162		mg/Kg		81	75 - 120
sec-Butylbenzene	0.0200	0.0164		mg/Kg		82	78 - 120
N-Propylbenzene	0.0200	0.0172		mg/Kg		86	68 - 120
Xylenes, Total	0.0400	0.0361		mg/Kg		90	80 - 120
1,3,5-Trimethylbenzene	0.0200	0.0164		mg/Kg		82	70 - 120
tert-Butylbenzene	0.0200	0.0153 *		mg/Kg		77	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		71 - 128
Dibromofluoromethane (Surr)	112		50 - 150
1,2-Dichloroethane-d4 (Surr)	104		65 - 138
Toluene-d8 (Surr)	104		71 - 126

Lab Sample ID: LCSD 460-995597/4

Matrix: Solid

Analysis Batch: 995597

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	0.0200	0.0201		mg/Kg		100	78 - 120	8	30
Benzene	0.0200	0.0217		mg/Kg		109	75 - 120	8	30
Tetrachloroethene	0.0200	0.0196		mg/Kg		98	73 - 120	6	30
1,1-Dichloroethane	0.0200	0.0225		mg/Kg		112	72 - 120	7	30
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		93	70 - 123	4	30
Acetone	0.100	0.0856		mg/Kg		86	58 - 122	11	30
Methylene Chloride	0.0200	0.0208		mg/Kg		104	78 - 120	8	30
Toluene	0.0200	0.0191		mg/Kg		96	80 - 120	6	30
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	6	30
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	5	30
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	6	30
Methyl tert-butyl ether	0.0200	0.0199		mg/Kg		100	74 - 125	5	30
trans-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	78 - 120	7	30
1,4-Dioxane	0.400	0.397		mg/Kg		99	77 - 129	7	30
1,1-Dichloroethene	0.0200	0.0207		mg/Kg		104	76 - 120	4	30
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120	4	30
Trichloroethene	0.0200	0.0190		mg/Kg		95	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0838		mg/Kg		84	64 - 128	9	30
Ethylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120	5	30
cis-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	80 - 123	7	30

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCSD 460-995597/4

Matrix: Solid

Analysis Batch: 995597

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
Chloroform	0.0200	0.0209		mg/Kg		105	79 - 126	9	30
m-Xylene & p-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	7	30
Vinyl chloride	0.0200	0.0190		mg/Kg		95	54 - 122	6	30
Carbon tetrachloride	0.0200	0.0215		mg/Kg		107	66 - 127	7	30
1,4-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	5	30
n-Butylbenzene	0.0200	0.0186		mg/Kg		93	72 - 120	5	30
1,2,4-Trimethylbenzene	0.0200	0.0176		mg/Kg		88	75 - 120	8	30
sec-Butylbenzene	0.0200	0.0178		mg/Kg		89	78 - 120	8	30
N-Propylbenzene	0.0200	0.0181		mg/Kg		91	68 - 120	5	30
Xylenes, Total	0.0400	0.0384		mg/Kg		96	80 - 120	6	30
1,3,5-Trimethylbenzene	0.0200	0.0179		mg/Kg		89	70 - 120	9	30
tert-Butylbenzene	0.0200	0.0167		mg/Kg		83	80 - 120	8	30

Surrogate	%Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	100		71 - 128
Dibromofluoromethane (Surr)	116		50 - 150
1,2-Dichloroethane-d4 (Surr)	102		65 - 138
Toluene-d8 (Surr)	105		71 - 126

Lab Sample ID: MB 460-995611/8

Matrix: Water

Analysis Batch: 995611

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			09/13/24 08:17	1
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			09/13/24 08:17	1
Benzene	1.0	U	1.0	0.20	ug/L			09/13/24 08:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			09/13/24 08:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			09/13/24 08:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			09/13/24 08:17	1
Acetone	5.0	U	5.0	4.4	ug/L			09/13/24 08:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
Toluene	1.0	U	1.0	0.38	ug/L			09/13/24 08:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			09/13/24 08:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/13/24 08:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/13/24 08:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/13/24 08:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			09/13/24 08:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			09/13/24 08:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			09/13/24 08:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			09/13/24 08:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/13/24 08:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			09/13/24 08:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			09/13/24 08:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			09/13/24 08:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			09/13/24 08:17	1

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: MB 460-995611/8

Matrix: Water

Analysis Batch: 995611

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:17	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			09/13/24 08:17	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			09/13/24 08:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/13/24 08:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			09/13/24 08:17	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			09/13/24 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		76 - 120		09/13/24 08:17	1
Dibromofluoromethane (Surr)	104		77 - 132		09/13/24 08:17	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 128		09/13/24 08:17	1
Toluene-d8 (Surr)	99		80 - 120		09/13/24 08:17	1

Lab Sample ID: LCS 460-995611/4

Matrix: Water

Analysis Batch: 995611

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	20.0	19.0		ug/L		95	79 - 126
1,1,1-Trichloroethane	20.0	24.6		ug/L		123	72 - 128
Benzene	20.0	20.3		ug/L		101	71 - 126
Tetrachloroethene	20.0	22.3		ug/L		112	70 - 127
1,1-Dichloroethane	20.0	21.3		ug/L		107	73 - 130
1,2-Dichloroethane	20.0	20.3		ug/L		101	66 - 129
Acetone	100	99.2		ug/L		99	60 - 133
Methylene Chloride	20.0	20.6		ug/L		103	74 - 127
Toluene	20.0	18.9		ug/L		95	78 - 120
o-Xylene	20.0	21.8		ug/L		109	78 - 120
Chlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,3-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120
Methyl tert-butyl ether	20.0	19.4		ug/L		97	72 - 131
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	70 - 126
1,1-Dichloroethene	20.0	20.8		ug/L		104	68 - 133
1,2-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
Trichloroethene	20.0	22.0		ug/L		110	73 - 121
2-Butanone (MEK)	100	106		ug/L		106	65 - 142
Ethylbenzene	20.0	21.5		ug/L		107	78 - 120
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	78 - 121
Chloroform	20.0	21.9		ug/L		109	78 - 125
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120
Vinyl chloride	20.0	21.0		ug/L		105	55 - 144
Carbon tetrachloride	20.0	31.2	*	ug/L		156	65 - 131
1,4-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 120
n-Butylbenzene	20.0	23.2		ug/L		116	69 - 135
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	75 - 125
sec-Butylbenzene	20.0	22.8		ug/L		114	77 - 129

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCS 460-995611/4

Matrix: Water

Analysis Batch: 995611

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	20.0	21.8		ug/L		109	68 - 129
Xylenes, Total	40.0	43.8		ug/L		110	80 - 120
1,3,5-Trimethylbenzene	20.0	22.2		ug/L		111	75 - 125
tert-Butylbenzene	20.0	22.1		ug/L		110	78 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	105		77 - 132
1,2-Dichloroethane-d4 (Surr)	97		70 - 128
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 460-995611/5

Matrix: Water

Analysis Batch: 995611

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
Ethylene Dibromide	20.0	19.3		ug/L		96	79 - 126	1	30
1,1,1-Trichloroethane	20.0	23.6		ug/L		118	72 - 128	4	30
Benzene	20.0	19.5		ug/L		98	71 - 126	4	30
Tetrachloroethene	20.0	21.3		ug/L		107	70 - 127	5	30
1,1-Dichloroethane	20.0	20.6		ug/L		103	73 - 130	3	30
1,2-Dichloroethane	20.0	19.2		ug/L		96	66 - 129	5	30
Acetone	100	91.3		ug/L		91	60 - 133	8	30
Methylene Chloride	20.0	18.9		ug/L		95	74 - 127	9	30
Toluene	20.0	18.4		ug/L		92	78 - 120	3	30
o-Xylene	20.0	20.5		ug/L		103	78 - 120	6	30
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120	5	30
1,3-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120	7	30
Methyl tert-butyl ether	20.0	18.4		ug/L		92	72 - 131	5	30
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	70 - 126	1	30
1,1-Dichloroethene	20.0	19.8		ug/L		99	68 - 133	5	30
1,2-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120	7	30
Trichloroethene	20.0	20.7		ug/L		103	73 - 121	6	30
2-Butanone (MEK)	100	102		ug/L		102	65 - 142	4	30
Ethylbenzene	20.0	21.2		ug/L		106	78 - 120	1	30
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	78 - 121	6	30
Chloroform	20.0	21.1		ug/L		105	78 - 125	4	30
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	78 - 120	5	30
Vinyl chloride	20.0	18.8		ug/L		94	55 - 144	11	30
Carbon tetrachloride	20.0	28.8	*	ug/L		144	65 - 131	8	30
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120	5	30
n-Butylbenzene	20.0	21.6		ug/L		108	69 - 135	7	30
1,2,4-Trimethylbenzene	20.0	20.8		ug/L		104	75 - 125	7	30
sec-Butylbenzene	20.0	20.9		ug/L		105	77 - 129	9	30
N-Propylbenzene	20.0	20.4		ug/L		102	68 - 129	6	30
Xylenes, Total	40.0	41.4		ug/L		103	80 - 120	6	30
1,3,5-Trimethylbenzene	20.0	20.7		ug/L		103	75 - 125	7	30
tert-Butylbenzene	20.0	20.2		ug/L		101	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: 460-311117-1

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

Lab Sample ID: LCSD 460-995611/5

Matrix: Water

Analysis Batch: 995611

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	103		76 - 120
Dibromofluoromethane (Surr)	104		77 - 132
1,2-Dichloroethane-d4 (Surr)	98		70 - 128
Toluene-d8 (Surr)	101		80 - 120

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

Lab Sample ID: MB 460-995338/1-A

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Phenol	0.33	U	0.33	0.012	mg/Kg		09/11/24 20:46	09/12/24 06:23	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		09/11/24 20:46	09/12/24 06:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		24 - 137	09/11/24 20:46	09/12/24 06:23	1
2-Fluorobiphenyl	102		38 - 128	09/11/24 20:46	09/12/24 06:23	1
2-Fluorophenol (Surr)	101		31 - 133	09/11/24 20:46	09/12/24 06:23	1
Nitrobenzene-d5 (Surr)	107		31 - 120	09/11/24 20:46	09/12/24 06:23	1
Phenol-d5 (Surr)	105		35 - 132	09/11/24 20:46	09/12/24 06:23	1
Terphenyl-d14 (Surr)	105		44 - 147	09/11/24 20:46	09/12/24 06:23	1

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCS 460-995338/2-A

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	3.33	2.82		mg/Kg		85	27 - 120
2-Methylphenol	3.33	3.67		mg/Kg		110	63 - 120
3 & 4 Methylphenol	3.33	3.61		mg/Kg		108	61 - 120
Acenaphthene	3.33	3.65		mg/Kg		109	65 - 120
Acenaphthylene	3.33	3.98		mg/Kg		119	64 - 120
Anthracene	3.33	3.71		mg/Kg		111	67 - 120
Benzo[a]anthracene	3.33	3.71		mg/Kg		111	66 - 120
Benzo[a]pyrene	3.33	4.07		mg/Kg		122	73 - 123
Benzo[b]fluoranthene	3.33	3.83		mg/Kg		115	70 - 125
Benzo[g,h,i]perylene	3.33	4.11	*	mg/Kg		123	66 - 120
Benzo[k]fluoranthene	3.33	4.21	*	mg/Kg		126	67 - 122
Chrysene	3.33	3.80		mg/Kg		114	67 - 120
Dibenz(a,h)anthracene	3.33	3.82		mg/Kg		115	66 - 128
Dibenzofuran	3.33	3.52		mg/Kg		106	61 - 120
Fluoranthene	3.33	3.74		mg/Kg		112	61 - 120
Fluorene	3.33	3.67		mg/Kg		110	64 - 120
Hexachlorobenzene	3.33	3.61		mg/Kg		108	66 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.58		mg/Kg		107	71 - 137
Naphthalene	3.33	3.60		mg/Kg		108	63 - 120
Pentachlorophenol	6.67	7.21		mg/Kg		108	61 - 126
Phenanthrene	3.33	3.74		mg/Kg		112	66 - 120
Phenol	3.33	3.65		mg/Kg		109	63 - 120
Pyrene	3.33	3.90		mg/Kg		117	61 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	102		24 - 137
2-Fluorobiphenyl	104		38 - 128
2-Fluorophenol (Surr)	105		31 - 133
Nitrobenzene-d5 (Surr)	109		31 - 120
Phenol-d5 (Surr)	110		35 - 132
Terphenyl-d14 (Surr)	105		44 - 147

Lab Sample ID: LCSD 460-995338/3-A

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995338

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	3.33	2.62		mg/Kg		79	27 - 120	7	30
2-Methylphenol	3.33	3.53		mg/Kg		106	63 - 120	4	30
3 & 4 Methylphenol	3.33	3.43		mg/Kg		103	61 - 120	5	30
Acenaphthene	3.33	3.50		mg/Kg		105	65 - 120	4	30
Acenaphthylene	3.33	3.85		mg/Kg		115	64 - 120	3	30
Anthracene	3.33	3.60		mg/Kg		108	67 - 120	3	30
Benzo[a]anthracene	3.33	3.61		mg/Kg		108	66 - 120	3	30
Benzo[a]pyrene	3.33	3.92		mg/Kg		118	73 - 123	4	30
Benzo[b]fluoranthene	3.33	4.03		mg/Kg		121	70 - 125	5	30
Benzo[g,h,i]perylene	3.33	3.95		mg/Kg		118	66 - 120	4	30
Benzo[k]fluoranthene	3.33	3.80		mg/Kg		114	67 - 122	10	30

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCSD 460-995338/3-A

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995338

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene	3.33	3.52		mg/Kg		106	67 - 120	8	30
Dibenz(a,h)anthracene	3.33	3.76		mg/Kg		113	66 - 128	2	30
Dibenzofuran	3.33	3.40		mg/Kg		102	61 - 120	4	30
Fluoranthene	3.33	3.64		mg/Kg		109	61 - 120	3	30
Fluorene	3.33	3.48		mg/Kg		104	64 - 120	5	30
Hexachlorobenzene	3.33	3.47		mg/Kg		104	66 - 120	4	30
Indeno[1,2,3-cd]pyrene	3.33	3.44		mg/Kg		103	71 - 137	4	30
Naphthalene	3.33	3.45		mg/Kg		104	63 - 120	4	30
Pentachlorophenol	6.67	6.93		mg/Kg		104	61 - 126	4	30
Phenanthrene	3.33	3.57		mg/Kg		107	66 - 120	5	30
Phenol	3.33	3.50		mg/Kg		105	63 - 120	4	30
Pyrene	3.33	3.67		mg/Kg		110	61 - 121	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	98		24 - 137
2-Fluorobiphenyl	101		38 - 128
2-Fluorophenol (Surr)	101		31 - 133
Nitrobenzene-d5 (Surr)	105		31 - 120
Phenol-d5 (Surr)	107		35 - 132
Terphenyl-d14 (Surr)	102		44 - 147

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.034	U	3.45	2.39		mg/Kg	✱	69	27 - 120
2-Methylphenol	0.34	U	3.45	3.58		mg/Kg	✱	104	63 - 120
3 & 4 Methylphenol	0.34	U	3.45	3.49		mg/Kg	✱	101	61 - 120
Acenaphthene	0.035	J	3.45	3.64		mg/Kg	✱	105	65 - 120
Acenaphthylene	0.074	J	3.45	4.04		mg/Kg	✱	115	64 - 120
Anthracene	0.15	J	3.45	3.86		mg/Kg	✱	107	67 - 120
Benzo[a]anthracene	0.45		3.45	4.42		mg/Kg	✱	115	66 - 120
Benzo[a]pyrene	0.72		3.45	4.14		mg/Kg	✱	99	73 - 123
Benzo[b]fluoranthene	0.76		3.45	4.80		mg/Kg	✱	117	70 - 125
Benzo[g,h,i]perylene	1.0	*	3.45	1.83	*	mg/Kg	✱	24	66 - 120
Benzo[k]fluoranthene	0.38	*	3.45	4.32		mg/Kg	✱	114	67 - 122
Chrysene	0.50		3.45	4.18		mg/Kg	✱	107	67 - 120
Dibenz(a,h)anthracene	0.24		3.45	1.68	*	mg/Kg	✱	42	66 - 128
Dibenzofuran	0.031	J	3.45	3.54		mg/Kg	✱	102	61 - 120
Fluoranthene	1.0		3.45	4.96		mg/Kg	✱	114	61 - 120
Fluorene	0.042	J	3.45	3.63		mg/Kg	✱	104	64 - 120
Hexachlorobenzene	0.034	U	3.45	3.52		mg/Kg	✱	102	66 - 120
Indeno[1,2,3-cd]pyrene	1.0		3.45	1.85	*	mg/Kg	✱	24	71 - 137
Naphthalene	0.024	J	3.45	3.48		mg/Kg	✱	100	63 - 120
Pentachlorophenol	0.28	U	6.90	7.34		mg/Kg	✱	106	61 - 126
Phenanthrene	0.63		3.45	4.32		mg/Kg	✱	107	66 - 120
Phenol	0.34	U	3.45	3.52		mg/Kg	✱	102	63 - 120

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.85		3.45	4.75		mg/Kg	✱	113	61 - 121
Surrogate	%Recovery	MS Qualifier	MS Limits						
2,4,6-Tribromophenol (Surr)	98		24 - 137						
2-Fluorobiphenyl	101		38 - 128						
2-Fluorophenol (Surr)	96		31 - 133						
Nitrobenzene-d5 (Surr)	102		31 - 120						
Phenol-d5 (Surr)	104		35 - 132						
Terphenyl-d14 (Surr)	102		44 - 147						

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 995383

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995338

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.034	U	3.45	2.20		mg/Kg	✱	64	27 - 120	8	30
2-Methylphenol	0.34	U	3.45	3.38		mg/Kg	✱	98	63 - 120	6	30
3 & 4 Methylphenol	0.34	U	3.45	3.32		mg/Kg	✱	96	61 - 120	5	30
Acenaphthene	0.035	J	3.45	3.43		mg/Kg	✱	99	65 - 120	6	30
Acenaphthylene	0.074	J	3.45	3.82		mg/Kg	✱	109	64 - 120	6	30
Anthracene	0.15	J	3.45	3.63		mg/Kg	✱	101	67 - 120	6	30
Benzo[a]anthracene	0.45		3.45	4.08		mg/Kg	✱	105	66 - 120	8	30
Benzo[a]pyrene	0.72		3.45	4.39		mg/Kg	✱	107	73 - 123	6	30
Benzo[b]fluoranthene	0.76		3.45	4.77		mg/Kg	✱	116	70 - 125	1	30
Benzo[g,h,i]perylene	1.0	*	3.45	2.73	*	mg/Kg	✱	50	66 - 120	40	30
Benzo[k]fluoranthene	0.38	*	3.45	4.37		mg/Kg	✱	116	67 - 122	1	30
Chrysene	0.50		3.45	3.84		mg/Kg	✱	97	67 - 120	8	30
Dibenz(a,h)anthracene	0.24		3.45	2.60	*	mg/Kg	✱	68	66 - 128	43	30
Dibenzofuran	0.031	J	3.45	3.34		mg/Kg	✱	96	61 - 120	6	30
Fluoranthene	1.0		3.45	4.54		mg/Kg	✱	102	61 - 120	9	30
Fluorene	0.042	J	3.45	3.44		mg/Kg	✱	99	64 - 120	5	30
Hexachlorobenzene	0.034	U	3.45	3.30		mg/Kg	✱	96	66 - 120	7	30
Indeno[1,2,3-cd]pyrene	1.0		3.45	2.61	*	mg/Kg	✱	46	71 - 137	34	30
Naphthalene	0.024	J	3.45	3.21		mg/Kg	✱	92	63 - 120	8	30
Pentachlorophenol	0.28	U	6.90	6.96		mg/Kg	✱	101	61 - 126	5	30
Phenanthrene	0.63		3.45	3.95		mg/Kg	✱	96	66 - 120	9	30
Phenol	0.34	U	3.45	3.37		mg/Kg	✱	98	63 - 120	5	30
Pyrene	0.85		3.45	4.32		mg/Kg	✱	101	61 - 121	9	30
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
2,4,6-Tribromophenol (Surr)	90		24 - 137								
2-Fluorobiphenyl	93		38 - 128								
2-Fluorophenol (Surr)	89		31 - 133								
Nitrobenzene-d5 (Surr)	92		31 - 120								
Phenol-d5 (Surr)	97		35 - 132								
Terphenyl-d14 (Surr)	93		44 - 147								

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QC Sample Results

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

Job ID: 460-311117-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-995513/1-A

Matrix: Solid

Analysis Batch: 995588

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		09/12/24 17:07	09/13/24 03:59	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		09/12/24 17:07	09/13/24 03:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	134		17 - 150	09/12/24 17:07	09/13/24 03:59	1
DCB Decachlorobiphenyl	128		17 - 150	09/12/24 17:07	09/13/24 03:59	1
Tetrachloro-m-xylene	113		21 - 150	09/12/24 17:07	09/13/24 03:59	1
Tetrachloro-m-xylene	112		21 - 150	09/12/24 17:07	09/13/24 03:59	1

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QC Sample Results

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

Job ID: 460-311117-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 460-995513/2-A

Matrix: Solid

Analysis Batch: 995588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.132		mg/Kg		99	70 - 138
4,4'-DDD	0.133	0.130		mg/Kg		97	70 - 138
4,4'-DDE	0.133	0.143		mg/Kg		107	68 - 136
4,4'-DDE	0.133	0.138		mg/Kg		103	68 - 136
4,4'-DDT	0.133	0.113		mg/Kg		85	66 - 149
4,4'-DDT	0.133	0.117		mg/Kg		88	66 - 149
Aldrin	0.133	0.143		mg/Kg		107	69 - 136
Aldrin	0.133	0.133		mg/Kg		100	69 - 136
alpha-BHC	0.133	0.146		mg/Kg		110	72 - 134
alpha-BHC	0.133	0.136		mg/Kg		102	72 - 134
beta-BHC	0.133	0.135		mg/Kg		101	71 - 130
beta-BHC	0.133	0.127		mg/Kg		95	71 - 130
cis-Chlordane	0.133	0.143		mg/Kg		108	69 - 135
cis-Chlordane	0.133	0.133		mg/Kg		100	69 - 135
delta-BHC	0.133	0.137		mg/Kg		103	69 - 140
delta-BHC	0.133	0.129		mg/Kg		97	69 - 140
Dieldrin	0.133	0.141		mg/Kg		106	69 - 134
Dieldrin	0.133	0.132		mg/Kg		99	69 - 134
Endosulfan I	0.133	0.143		mg/Kg		107	69 - 133
Endosulfan I	0.133	0.138		mg/Kg		104	69 - 133
Endosulfan II	0.133	0.151		mg/Kg		113	71 - 137
Endosulfan II	0.133	0.138		mg/Kg		103	71 - 137
Endosulfan sulfate	0.133	0.137		mg/Kg		103	61 - 140
Endosulfan sulfate	0.133	0.124		mg/Kg		93	61 - 140
Endrin	0.133	0.134		mg/Kg		100	67 - 141
Endrin	0.133	0.150		mg/Kg		112	67 - 141
Endrin aldehyde	0.133	0.134		mg/Kg		100	71 - 136
Endrin aldehyde	0.133	0.119		mg/Kg		89	71 - 136
Endrin ketone	0.133	0.133		mg/Kg		100	60 - 146
Endrin ketone	0.133	0.121		mg/Kg		90	60 - 146
gamma-BHC (Lindane)	0.133	0.142		mg/Kg		106	72 - 139
gamma-BHC (Lindane)	0.133	0.136		mg/Kg		102	72 - 139
Heptachlor	0.133	0.145		mg/Kg		109	74 - 138
Heptachlor	0.133	0.134		mg/Kg		101	74 - 138
Heptachlor epoxide	0.133	0.143		mg/Kg		107	72 - 134
Heptachlor epoxide	0.133	0.133		mg/Kg		100	72 - 134
Methoxychlor	0.133	0.0979		mg/Kg		73	60 - 150
Methoxychlor	0.133	0.112		mg/Kg		84	60 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	101		17 - 150
DCB Decachlorobiphenyl	97		17 - 150
Tetrachloro-m-xylene	83		21 - 150
Tetrachloro-m-xylene	86		21 - 150

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCSD 460-995513/3-A

Matrix: Solid

Analysis Batch: 995588

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995513

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.133	0.137		mg/Kg		103	70 - 138	4	30
4,4'-DDD	0.133	0.133		mg/Kg		99	70 - 138	2	30
4,4'-DDE	0.133	0.149		mg/Kg		112	68 - 136	4	30
4,4'-DDE	0.133	0.140		mg/Kg		105	68 - 136	1	30
4,4'-DDT	0.133	0.119		mg/Kg		89	66 - 149	4	30
4,4'-DDT	0.133	0.119		mg/Kg		89	66 - 149	2	30
Aldrin	0.133	0.148		mg/Kg		111	69 - 136	3	30
Aldrin	0.133	0.136		mg/Kg		102	69 - 136	2	30
alpha-BHC	0.133	0.152		mg/Kg		114	72 - 134	4	30
alpha-BHC	0.133	0.139		mg/Kg		104	72 - 134	2	30
beta-BHC	0.133	0.141		mg/Kg		106	71 - 130	4	30
beta-BHC	0.133	0.130		mg/Kg		97	71 - 130	2	30
cis-Chlordane	0.133	0.150		mg/Kg		113	69 - 135	5	30
cis-Chlordane	0.133	0.136		mg/Kg		102	69 - 135	2	30
delta-BHC	0.133	0.141		mg/Kg		106	69 - 140	3	30
delta-BHC	0.133	0.132		mg/Kg		99	69 - 140	2	30
Dieldrin	0.133	0.147		mg/Kg		110	69 - 134	4	30
Dieldrin	0.133	0.135		mg/Kg		101	69 - 134	2	30
Endosulfan I	0.133	0.150		mg/Kg		112	69 - 133	5	30
Endosulfan I	0.133	0.142		mg/Kg		106	69 - 133	2	30
Endosulfan II	0.133	0.158		mg/Kg		119	71 - 137	5	30
Endosulfan II	0.133	0.140		mg/Kg		105	71 - 137	2	30
Endosulfan sulfate	0.133	0.144		mg/Kg		108	61 - 140	5	30
Endosulfan sulfate	0.133	0.127		mg/Kg		95	61 - 140	2	30
Endrin	0.133	0.141		mg/Kg		105	67 - 141	5	30
Endrin	0.133	0.153		mg/Kg		115	67 - 141	2	30
Endrin aldehyde	0.133	0.140		mg/Kg		105	71 - 136	5	30
Endrin aldehyde	0.133	0.122		mg/Kg		91	71 - 136	2	30
Endrin ketone	0.133	0.139		mg/Kg		104	60 - 146	4	30
Endrin ketone	0.133	0.123		mg/Kg		92	60 - 146	2	30
gamma-BHC (Lindane)	0.133	0.147		mg/Kg		110	72 - 139	4	30
gamma-BHC (Lindane)	0.133	0.139		mg/Kg		104	72 - 139	2	30
Heptachlor	0.133	0.150		mg/Kg		113	74 - 138	4	30
Heptachlor	0.133	0.137		mg/Kg		103	74 - 138	2	30
Heptachlor epoxide	0.133	0.149		mg/Kg		112	72 - 134	4	30
Heptachlor epoxide	0.133	0.136		mg/Kg		102	72 - 134	2	30
Methoxychlor	0.133	0.101		mg/Kg		76	60 - 150	3	30
Methoxychlor	0.133	0.111		mg/Kg		83	60 - 150	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
DCB Decachlorobiphenyl	106		17 - 150
DCB Decachlorobiphenyl	99		17 - 150
Tetrachloro-m-xylene	86		21 - 150
Tetrachloro-m-xylene	89		21 - 150

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995588

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995513

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0069	U	0.138	0.136		mg/Kg	✱	98	70 - 138
4,4'-DDD	0.0069	U	0.138	0.132		mg/Kg	✱	96	70 - 138
4,4'-DDE	0.0051	J	0.138	0.143		mg/Kg	✱	100	68 - 136
4,4'-DDE	0.0051	J	0.138	0.135		mg/Kg	✱	94	68 - 136
4,4'-DDT	0.0072		0.138	0.120		mg/Kg	✱	82	66 - 149
4,4'-DDT	0.0072		0.138	0.127		mg/Kg	✱	87	66 - 149
Aldrin	0.0069	U	0.138	0.140		mg/Kg	✱	101	69 - 136
Aldrin	0.0069	U	0.138	0.131		mg/Kg	✱	95	69 - 136
alpha-BHC	0.0021	U	0.138	0.145		mg/Kg	✱	105	72 - 134
alpha-BHC	0.0021	U	0.138	0.136		mg/Kg	✱	99	72 - 134
beta-BHC	0.0021	U	0.138	0.135		mg/Kg	✱	98	71 - 130
beta-BHC	0.0021	U	0.138	0.124		mg/Kg	✱	90	71 - 130
delta-BHC	0.0021	U	0.138	0.140		mg/Kg	✱	101	69 - 140
delta-BHC	0.0021	U	0.138	0.131		mg/Kg	✱	95	69 - 140
Dieldrin	0.0021	U	0.138	0.139		mg/Kg	✱	101	69 - 134
Dieldrin	0.0021	U	0.138	0.130		mg/Kg	✱	94	69 - 134
Endosulfan I	0.0069	U	0.138	0.141		mg/Kg	✱	102	69 - 133
Endosulfan I	0.0069	U	0.138	0.136		mg/Kg	✱	99	69 - 133
Endosulfan II	0.0069	U	0.138	0.148		mg/Kg	✱	108	71 - 137
Endosulfan II	0.0069	U	0.138	0.137		mg/Kg	✱	99	71 - 137
Endosulfan sulfate	0.0069	U	0.138	0.140		mg/Kg	✱	101	61 - 140
Endosulfan sulfate	0.0069	U	0.138	0.123		mg/Kg	✱	89	61 - 140
Endrin	0.0069	U	0.138	0.132		mg/Kg	✱	95	67 - 141
Endrin	0.0069	U	0.138	0.149		mg/Kg	✱	108	67 - 141
Endrin aldehyde	0.0069	U	0.138	0.148		mg/Kg	✱	107	71 - 136
Endrin aldehyde	0.0069	U	0.138	0.132		mg/Kg	✱	95	71 - 136
Endrin ketone	0.0069	U	0.138	0.144		mg/Kg	✱	105	60 - 146
Endrin ketone	0.0069	U	0.138	0.127		mg/Kg	✱	92	60 - 146
gamma-BHC (Lindane)	0.0021	U	0.138	0.142		mg/Kg	✱	103	72 - 139
gamma-BHC (Lindane)	0.0021	U	0.138	0.135		mg/Kg	✱	98	72 - 139
Heptachlor	0.0069	U	0.138	0.141		mg/Kg	✱	102	74 - 138
Heptachlor	0.0069	U	0.138	0.135		mg/Kg	✱	98	74 - 138
Heptachlor epoxide	0.0069	U	0.138	0.142		mg/Kg	✱	103	72 - 134
Heptachlor epoxide	0.0069	U	0.138	0.132		mg/Kg	✱	96	72 - 134
Methoxychlor	0.0069	U	0.138	0.103		mg/Kg	✱	75	60 - 150
Methoxychlor	0.0069	U	0.138	0.118		mg/Kg	✱	86	60 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl	90		17 - 150						
DCB Decachlorobiphenyl	88		17 - 150						
Tetrachloro-m-xylene	72		21 - 150						
Tetrachloro-m-xylene	74		21 - 150						

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 995588

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995513

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0069	U	0.137	0.136		mg/Kg	✱	99	70 - 138	0	30
4,4'-DDD	0.0069	U	0.137	0.132		mg/Kg	✱	96	70 - 138	0	30
4,4'-DDE	0.0051	J	0.137	0.143		mg/Kg	✱	100	68 - 136	0	30
4,4'-DDE	0.0051	J	0.137	0.136		mg/Kg	✱	95	68 - 136	1	30
4,4'-DDT	0.0072		0.137	0.121		mg/Kg	✱	83	66 - 149	1	30
4,4'-DDT	0.0072		0.137	0.127		mg/Kg	✱	87	66 - 149	0	30
Aldrin	0.0069	U	0.137	0.140		mg/Kg	✱	102	69 - 136	0	30
Aldrin	0.0069	U	0.137	0.132		mg/Kg	✱	96	69 - 136	0	30
alpha-BHC	0.0021	U	0.137	0.145		mg/Kg	✱	106	72 - 134	0	30
alpha-BHC	0.0021	U	0.137	0.137		mg/Kg	✱	99	72 - 134	0	30
beta-BHC	0.0021	U	0.137	0.136		mg/Kg	✱	99	71 - 130	0	30
beta-BHC	0.0021	U	0.137	0.126		mg/Kg	✱	91	71 - 130	1	30
delta-BHC	0.0021	U	0.137	0.140		mg/Kg	✱	102	69 - 140	0	30
delta-BHC	0.0021	U	0.137	0.131		mg/Kg	✱	96	69 - 140	0	30
Dieldrin	0.0021	U	0.137	0.139		mg/Kg	✱	101	69 - 134	0	30
Dieldrin	0.0021	U	0.137	0.130		mg/Kg	✱	95	69 - 134	0	30
Endosulfan I	0.0069	U	0.137	0.141		mg/Kg	✱	102	69 - 133	0	30
Endosulfan I	0.0069	U	0.137	0.136		mg/Kg	✱	99	69 - 133	0	30
Endosulfan II	0.0069	U	0.137	0.149		mg/Kg	✱	108	71 - 137	0	30
Endosulfan II	0.0069	U	0.137	0.137		mg/Kg	✱	100	71 - 137	0	30
Endosulfan sulfate	0.0069	U	0.137	0.140		mg/Kg	✱	102	61 - 140	0	30
Endosulfan sulfate	0.0069	U	0.137	0.124		mg/Kg	✱	90	61 - 140	1	30
Endrin	0.0069	U	0.137	0.133		mg/Kg	✱	96	67 - 141	1	30
Endrin	0.0069	U	0.137	0.149		mg/Kg	✱	108	67 - 141	0	30
Endrin aldehyde	0.0069	U	0.137	0.149		mg/Kg	✱	108	71 - 136	1	30
Endrin aldehyde	0.0069	U	0.137	0.132		mg/Kg	✱	96	71 - 136	0	30
Endrin ketone	0.0069	U	0.137	0.145		mg/Kg	✱	105	60 - 146	0	30
Endrin ketone	0.0069	U	0.137	0.127		mg/Kg	✱	93	60 - 146	0	30
gamma-BHC (Lindane)	0.0021	U	0.137	0.141		mg/Kg	✱	103	72 - 139	0	30
gamma-BHC (Lindane)	0.0021	U	0.137	0.135		mg/Kg	✱	98	72 - 139	0	30
Heptachlor	0.0069	U	0.137	0.142		mg/Kg	✱	103	74 - 138	0	30
Heptachlor	0.0069	U	0.137	0.135		mg/Kg	✱	98	74 - 138	0	30
Heptachlor epoxide	0.0069	U	0.137	0.141		mg/Kg	✱	103	72 - 134	0	30
Heptachlor epoxide	0.0069	U	0.137	0.132		mg/Kg	✱	96	72 - 134	0	30
Methoxychlor	0.0069	U	0.137	0.102		mg/Kg	✱	74	60 - 150	1	30
Methoxychlor	0.0069	U	0.137	0.118		mg/Kg	✱	86	60 - 150	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	93		17 - 150
DCB Decachlorobiphenyl	84		17 - 150
Tetrachloro-m-xylene	68		21 - 150
Tetrachloro-m-xylene	71		21 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: MB 460-995504/1-A

Matrix: Solid

Analysis Batch: 995697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 995504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		09/12/24 16:57	09/13/24 13:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	148		20 - 150	09/12/24 16:57	09/13/24 13:41	1
DCB Decachlorobiphenyl	179	*	20 - 150	09/12/24 16:57	09/13/24 13:41	1
Tetrachloro-m-xylene	147		20 - 150	09/12/24 16:57	09/13/24 13:41	1
Tetrachloro-m-xylene	131		20 - 150	09/12/24 16:57	09/13/24 13:41	1

Lab Sample ID: LCS 460-995504/2-A

Matrix: Solid

Analysis Batch: 995697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.400		mg/Kg		120	54 - 136
Aroclor 1016	0.333	0.403		mg/Kg		121	54 - 136
Aroclor 1260	0.333	0.385		mg/Kg		115	53 - 145
Aroclor 1260	0.333	0.383		mg/Kg		115	53 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	131		20 - 150
DCB Decachlorobiphenyl	134		20 - 150
Tetrachloro-m-xylene	120		20 - 150
Tetrachloro-m-xylene	99		20 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: LCSD 460-995504/3-A

Matrix: Solid

Analysis Batch: 995697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 995504

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.333	0.334		mg/Kg		100	54 - 136	18	30
Aroclor 1016	0.333	0.316		mg/Kg		95	54 - 136	24	30
Aroclor 1260	0.333	0.312		mg/Kg		94	53 - 145	21	30
Aroclor 1260	0.333	0.345		mg/Kg		104	53 - 145	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	131		20 - 150
DCB Decachlorobiphenyl	141		20 - 150
Tetrachloro-m-xylene	116		20 - 150
Tetrachloro-m-xylene	94		20 - 150

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995697

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.069	U	0.345	0.401		mg/Kg	⊛	116	54 - 136
Aroclor 1016	0.069	U	0.345	0.390		mg/Kg	⊛	113	54 - 136
Aroclor 1260	0.069	U	0.345	0.386		mg/Kg	⊛	112	53 - 145
Aroclor 1260	0.069	U	0.345	0.408		mg/Kg	⊛	118	53 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	122		20 - 150
DCB Decachlorobiphenyl	136		20 - 150
Tetrachloro-m-xylene	100		20 - 150
Tetrachloro-m-xylene	103		20 - 150

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 995697

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.069	U	0.346	0.360		mg/Kg	⊛	104	54 - 136	11	30
Aroclor 1016	0.069	U	0.346	0.333		mg/Kg	⊛	96	54 - 136	16	30
Aroclor 1260	0.069	U	0.346	0.336		mg/Kg	⊛	97	53 - 145	14	30
Aroclor 1260	0.069	U	0.346	0.353		mg/Kg	⊛	102	53 - 145	14	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	53		20 - 150
DCB Decachlorobiphenyl	64		20 - 150
Tetrachloro-m-xylene	42		20 - 150
Tetrachloro-m-xylene	48		20 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-311117-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-995635/1-A
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.0	U	1.0	0.11	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Barium	2.0	U	2.0	0.15	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Nickel	2.0	U	2.0	0.47	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Silver	0.40	U	0.40	0.089	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Copper	2.0	U	2.0	0.37	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Lead	0.60	U	0.60	0.20	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Zinc	8.0	U	8.0	3.1	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Selenium	1.3	U	1.3	0.13	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Manganese	4.0	U	4.0	0.40	mg/Kg		09/13/24 07:41	09/13/24 15:31	1
Chromium	2.0	U	2.0	0.91	mg/Kg		09/13/24 07:41	09/13/24 15:31	1

Lab Sample ID: LCSSRM 460-995635/2-A ^3
Matrix: Solid
Analysis Batch: 995722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	84.3	87.20		mg/Kg		103.4	82.2 - 117.8
Beryllium	160	160.1		mg/Kg		100.1	82.5 - 117.5
Barium	295	341.4		mg/Kg		115.7	81.7 - 118.3
Nickel	298	297.6		mg/Kg		99.9	82.2 - 117.8
Silver	76.7	76.30		mg/Kg		99.5	79.5 - 120.5
Arsenic	242	249.0		mg/Kg		102.9	81.8 - 118.6
Copper	195	196.0		mg/Kg		100.5	83.1 - 116.9
Lead	194	206.2		mg/Kg		106.3	82.0 - 118.6
Zinc	236	232.7		mg/Kg		98.6	80.1 - 120.3
Selenium	272	271.1		mg/Kg		99.7	80.1 - 119.5
Chromium	213	214.6		mg/Kg		100.8	81.2 - 119.2

Lab Sample ID: LCSSRM 460-995635/2-A ^3
Matrix: Solid
Analysis Batch: 996107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	264	238.4		mg/Kg		90.3	80.7 - 118.9

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 995722

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.3		10.4	14.78		mg/Kg	✱	91	75 - 125
Barium	325		10.4	327.3	4	mg/Kg	✱	26	75 - 125
Beryllium	0.18	J	5.19	4.72		mg/Kg	✱	88	75 - 125
Cadmium	0.69	J	5.19	5.43		mg/Kg	✱	91	75 - 125
Chromium	12.7		10.4	21.56		mg/Kg	✱	85	75 - 125
Copper	22.2		10.4	31.45		mg/Kg	✱	89	75 - 125
Lead	441		5.19	440.7	4	mg/Kg	✱	-12	75 - 125
Manganese	99.2		51.9	145.7		mg/Kg	✱	90	75 - 125
Nickel	11.2		10.4	21.84		mg/Kg	✱	102	75 - 125
Selenium	0.24	J	10.4	9.44		mg/Kg	✱	89	75 - 125
Silver	0.17	J	5.19	4.87		mg/Kg	✱	91	75 - 125
Zinc	342		51.9	387.6	4	mg/Kg	✱	88	75 - 125

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 995722

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.3		10.4	14.25		mg/Kg	✱	86	75 - 125	4	20
Barium	325		10.4	371.6	4	mg/Kg	✱	453	75 - 125	13	20
Beryllium	0.18	J	5.19	4.77		mg/Kg	✱	89	75 - 125	1	20
Cadmium	0.69	J	5.19	5.39		mg/Kg	✱	91	75 - 125	1	20
Chromium	12.7		10.4	21.44		mg/Kg	✱	84	75 - 125	1	20
Copper	22.2		10.4	32.86		mg/Kg	✱	103	75 - 125	4	20
Lead	441		5.19	593.3	4 N	mg/Kg	✱	2928	75 - 125	30	20
Manganese	99.2		51.9	145.2		mg/Kg	✱	89	75 - 125	0	20
Nickel	11.2		10.4	20.33		mg/Kg	✱	88	75 - 125	7	20
Selenium	0.24	J	10.4	8.95		mg/Kg	✱	84	75 - 125	5	20
Silver	0.17	J	5.19	4.73		mg/Kg	✱	88	75 - 125	3	20
Zinc	342		51.9	433.3	4	mg/Kg	✱	176	75 - 125	11	20

Lab Sample ID: 460-311117-9 DU

Matrix: Solid

Analysis Batch: 995722

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995635

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.69	J	0.695	J	mg/Kg	✱	0.1	20
Beryllium	0.18	J	0.215	J	mg/Kg	✱	19	20
Barium	325		418.8	*	mg/Kg	✱	25	20
Nickel	11.2		10.77		mg/Kg	✱	4	20
Silver	0.17	J	0.189	J	mg/Kg	✱	14	20
Arsenic	5.3		5.98		mg/Kg	✱	12	20
Copper	22.2		22.03		mg/Kg	✱	0.6	20
Lead	441		827.2	*	mg/Kg	✱	61	20
Zinc	342		365.9		mg/Kg	✱	7	20
Selenium	0.24	J	0.224	J	mg/Kg	✱	7	20
Manganese	99.2		169.7	*	mg/Kg	✱	52	20
Chromium	12.7		11.93		mg/Kg	✱	7	20

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QC Sample Results

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

Job ID: 460-311117-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-996005/10-A

Matrix: Solid

Analysis Batch: 996065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 996005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		09/16/24 00:42	09/16/24 04:09	1

Lab Sample ID: LCSSRM 460-996005/11-A ^40

Matrix: Solid

Analysis Batch: 996065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 996005

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	24.50		mg/Kg		107.5	70.6 - 129.4

Lab Sample ID: 460-311117-9 MS

Matrix: Solid

Analysis Batch: 996065

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.43		0.0837	0.510	4	mg/Kg	⚠	96	80 - 120

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 996065

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.43		0.0837	0.523	4	mg/Kg	⚠	111	80 - 120	2	20

Lab Sample ID: 460-311117-9 DU

Matrix: Solid

Analysis Batch: 996065

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 996005

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.43		0.445		mg/Kg	⚠	3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-996553/1-A

Matrix: Solid

Analysis Batch: 996563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 996553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.0	U	2.0	0.85	mg/Kg		09/18/24 09:46	09/18/24 11:40	1

Lab Sample ID: LCSi 460-996553/3-A

Matrix: Solid

Analysis Batch: 996563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 996553

Analyte	Spike Added	LCSi Result	LCSi Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	708	694.0		mg/Kg		98	80 - 120

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QC Sample Results

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

Job ID: 460-311117-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSSRM 460-996553/2-A
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	14.9	13.60		mg/Kg		91.0	84.2 - 114.5

Lab Sample ID: 460-311117-9 MSI
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.97	J	734	739.3		mg/Kg	✱	101	75 - 125

Lab Sample ID: 460-311117-9 MSS
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.97	J	41.5	32.56		mg/Kg	✱	76	75 - 125

Lab Sample ID: 460-311117-9 DU
Matrix: Solid
Analysis Batch: 996563

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 996553

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cr (VI)	0.97	J	2.1	U	mg/Kg	✱	NC	20

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

Lab Sample ID: MB 460-995975/1-A
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 995975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0055	mg/Kg		09/14/24 21:29	09/15/24 17:41	1

Lab Sample ID: LCSSRM 460-995975/2-A ^20
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 995975

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	183	74.40		mg/Kg		40.7	21.9 - 121.9

Lab Sample ID: 460-311117-9 MS
Matrix: Solid
Analysis Batch: 996001

Client Sample ID: RXSB-1_0-2
Prep Type: Total/NA
Prep Batch: 995975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.51		4.98	5.23		mg/Kg	✱	95	29 - 100

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QC Sample Results

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

Job ID: 460-311117-1

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

Lab Sample ID: 460-311117-9 MSD

Matrix: Solid

Analysis Batch: 996001

Client Sample ID: RXSB-1_0-2

Prep Type: Total/NA

Prep Batch: 995975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.51		4.61	4.54		mg/Kg	☆	88	29 - 100	14	40

Lab Sample ID: MRL 460-995993/11-A

Matrix: Solid

Analysis Batch: 996001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 995993

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

Method: Moisture - Percent Moisture

Lab Sample ID: 460-308882-A-12 DU

Matrix: Solid

Analysis Batch: 995288

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	40.6		38.7		%		5	20
Percent Solids	59.4		61.3		%		3	20

Lab Sample ID: 460-311282-B-2 DU

Matrix: Solid

Analysis Batch: 995936

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.0		4.9		%		3	20
Percent Solids	95.0		95.1		%		0.1	20

QC Association Summary

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

Job ID: 460-311117-1

GC/MS VOA

Prep Batch: 995324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	5035	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	5035	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	5035	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	5035	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	5035	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	5035	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	5035	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	5035	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	5035	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	5035	
LB3 460-995324/1-A	Method Blank	Total/NA	Solid	5035	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	5035	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	5035	

Analysis Batch: 995597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8260D	995324
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8260D	995324
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8260D	995324
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8260D	995324
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8260D	995324
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8260D	995324
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8260D	995324
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8260D	995324
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8260D	995324
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8260D	995324
LB3 460-995324/1-A	Method Blank	Total/NA	Solid	8260D	995324
MB 460-995597/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-995597/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-995597/4	Lab Control Sample Dup	Total/NA	Solid	8260D	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8260D	995324
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8260D	995324

Analysis Batch: 995611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-11	TB_09102024	Total/NA	Water	8260D	
MB 460-995611/8	Method Blank	Total/NA	Water	8260D	
LCS 460-995611/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-995611/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 995338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3546	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3546	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3546	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3546	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3546	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3546	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3546	

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QC Association Summary

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

Job ID: 460-311117-1

GC/MS Semi VOA (Continued)

Prep Batch: 995338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3546	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3546	
MB 460-995338/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995338/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995338/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3546	

Analysis Batch: 995383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8270E	995338
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8270E	995338
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8270E	995338
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8270E	995338
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8270E	995338
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8270E	995338
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8270E	995338
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8270E	995338
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8270E	995338
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8270E	995338
MB 460-995338/1-A	Method Blank	Total/NA	Solid	8270E	995338
LCS 460-995338/2-A	Lab Control Sample	Total/NA	Solid	8270E	995338
LCSD 460-995338/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	995338
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8270E	995338
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8270E	995338

GC Semi VOA

Prep Batch: 995504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3546	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3546	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3546	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3546	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3546	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3546	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3546	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3546	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3546	
MB 460-995504/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995504/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995504/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3546	

Prep Batch: 995513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3546	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3546	

Eurofins Edison

QC Association Summary

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

Job ID: 460-311117-1

GC Semi VOA (Continued)

Prep Batch: 995513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3546	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3546	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3546	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3546	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3546	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3546	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3546	
MB 460-995513/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-995513/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-995513/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3546	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3546	

Analysis Batch: 995588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8081B	995513
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8081B	995513
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8081B	995513
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8081B	995513
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8081B	995513
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8081B	995513
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8081B	995513
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8081B	995513
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8081B	995513
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8081B	995513
MB 460-995513/1-A	Method Blank	Total/NA	Solid	8081B	995513
LCS 460-995513/2-A	Lab Control Sample	Total/NA	Solid	8081B	995513
LCSD 460-995513/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	995513
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8081B	995513
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8081B	995513

Analysis Batch: 995697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-2	RXSB-2_4-6	Total/NA	Solid	8082A	995504
460-311117-3	RXSB-7_0-2	Total/NA	Solid	8082A	995504
460-311117-4	RXSB-7_4-6	Total/NA	Solid	8082A	995504
460-311117-5	RXSB-4_0-2	Total/NA	Solid	8082A	995504
460-311117-6	RXSB-4_4-6	Total/NA	Solid	8082A	995504
460-311117-7	RXSB-6_0-2	Total/NA	Solid	8082A	995504
460-311117-8	RXSB-6_4-6	Total/NA	Solid	8082A	995504
460-311117-9	RXSB-1_0-2	Total/NA	Solid	8082A	995504
460-311117-10	RXSB-1_4-6	Total/NA	Solid	8082A	995504
MB 460-995504/1-A	Method Blank	Total/NA	Solid	8082A	995504
LCS 460-995504/2-A	Lab Control Sample	Total/NA	Solid	8082A	995504
LCSD 460-995504/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	995504
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	8082A	995504
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	8082A	995504

Eurofins Edison

QC Association Summary

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

Job ID: 460-311117-1

GC Semi VOA

Analysis Batch: 996040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	8082A	995504

Metals

Prep Batch: 995635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3050B	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3050B	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3050B	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3050B	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3050B	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3050B	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3050B	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3050B	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3050B	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3050B	
MB 460-995635/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-995635/2-A ^3	Lab Control Sample	Total/NA	Solid	3050B	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	3050B	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	3050B	
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	3050B	

Analysis Batch: 995722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	6020B	995635
460-311117-1	RXSB-2_0-2	Total/NA	Solid	6020B	995635
460-311117-2	RXSB-2_4-6	Total/NA	Solid	6020B	995635
460-311117-3	RXSB-7_0-2	Total/NA	Solid	6020B	995635
460-311117-3	RXSB-7_0-2	Total/NA	Solid	6020B	995635
460-311117-4	RXSB-7_4-6	Total/NA	Solid	6020B	995635
460-311117-5	RXSB-4_0-2	Total/NA	Solid	6020B	995635
460-311117-6	RXSB-4_4-6	Total/NA	Solid	6020B	995635
460-311117-7	RXSB-6_0-2	Total/NA	Solid	6020B	995635
460-311117-8	RXSB-6_4-6	Total/NA	Solid	6020B	995635
460-311117-9	RXSB-1_0-2	Total/NA	Solid	6020B	995635
460-311117-10	RXSB-1_4-6	Total/NA	Solid	6020B	995635
MB 460-995635/1-A	Method Blank	Total/NA	Solid	6020B	995635
LCSSRM 460-995635/2-A ^3	Lab Control Sample	Total/NA	Solid	6020B	995635
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	6020B	995635
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	6020B	995635
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	6020B	995635

Prep Batch: 996005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7471B	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7471B	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7471B	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7471B	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7471B	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7471B	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7471B	

Eurofins Edison

QC Association Summary

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

Job ID: 460-311117-1

Metals (Continued)

Prep Batch: 996005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7471B	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7471B	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7471B	
MB 460-996005/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-996005/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	7471B	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	7471B	
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	7471B	

Analysis Batch: 996065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7471B	996005
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7471B	996005
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7471B	996005
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7471B	996005
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7471B	996005
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7471B	996005
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7471B	996005
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7471B	996005
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7471B	996005
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7471B	996005
MB 460-996005/10-A	Method Blank	Total/NA	Solid	7471B	996005
LCSSRM 460-996005/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	996005
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	7471B	996005
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	7471B	996005
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	7471B	996005

Analysis Batch: 996107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-995635/2-A ^3	Lab Control Sample	Total/NA	Solid	6020B	995635

General Chemistry

Analysis Batch: 995288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	Moisture	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	Moisture	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	Moisture	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	Moisture	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	Moisture	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	Moisture	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	Moisture	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	Moisture	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	Moisture	
460-308882-A-12 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 995936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-9	RXSB-1_0-2	Total/NA	Solid	Moisture	
460-311282-B-2 DU	Duplicate	Total/NA	Solid	Moisture	

Eurofins Edison

QC Association Summary

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

Job ID: 460-311117-1

General Chemistry

Prep Batch: 995975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	9012B	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	9012B	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	9012B	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	9012B	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	9012B	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	9012B	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	9012B	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	9012B	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	9012B	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	9012B	
MB 460-995975/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 460-995975/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	9012B	
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	9012B	

Prep Batch: 995993

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

Analysis Batch: 996001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	9012B	995975
460-311117-2	RXSB-2_4-6	Total/NA	Solid	9012B	995975
460-311117-3	RXSB-7_0-2	Total/NA	Solid	9012B	995975
460-311117-4	RXSB-7_4-6	Total/NA	Solid	9012B	995975
460-311117-5	RXSB-4_0-2	Total/NA	Solid	9012B	995975
460-311117-6	RXSB-4_4-6	Total/NA	Solid	9012B	995975
460-311117-7	RXSB-6_0-2	Total/NA	Solid	9012B	995975
460-311117-8	RXSB-6_4-6	Total/NA	Solid	9012B	995975
460-311117-9	RXSB-1_0-2	Total/NA	Solid	9012B	995975
460-311117-10	RXSB-1_4-6	Total/NA	Solid	9012B	995975
MB 460-995975/1-A	Method Blank	Total/NA	Solid	9012B	995975
LCSSRM 460-995975/2-A ^2	Lab Control Sample	Total/NA	Solid	9012B	995975
MRL 460-995993/11-A	Lab Control Sample	Total/NA	Solid	9012B	995993
460-311117-9 MS	RXSB-1_0-2	Total/NA	Solid	9012B	995975
460-311117-9 MSD	RXSB-1_0-2	Total/NA	Solid	9012B	995975

Analysis Batch: 996077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7196A	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7196A	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7196A	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7196A	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7196A	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7196A	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7196A	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7196A	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7196A	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7196A	

Eurofins Edison

QC Association Summary

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

Job ID: 460-311117-1

General Chemistry

Prep Batch: 996553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	3060A	
460-311117-2	RXSB-2_4-6	Total/NA	Solid	3060A	
460-311117-3	RXSB-7_0-2	Total/NA	Solid	3060A	
460-311117-4	RXSB-7_4-6	Total/NA	Solid	3060A	
460-311117-5	RXSB-4_0-2	Total/NA	Solid	3060A	
460-311117-6	RXSB-4_4-6	Total/NA	Solid	3060A	
460-311117-7	RXSB-6_0-2	Total/NA	Solid	3060A	
460-311117-8	RXSB-6_4-6	Total/NA	Solid	3060A	
460-311117-9	RXSB-1_0-2	Total/NA	Solid	3060A	
460-311117-10	RXSB-1_4-6	Total/NA	Solid	3060A	
MB 460-996553/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-996553/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-996553/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-311117-9 MSI	RXSB-1_0-2	Total/NA	Solid	3060A	
460-311117-9 MSS	RXSB-1_0-2	Total/NA	Solid	3060A	
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	3060A	

Analysis Batch: 996563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-311117-1	RXSB-2_0-2	Total/NA	Solid	7196A	996553
460-311117-2	RXSB-2_4-6	Total/NA	Solid	7196A	996553
460-311117-3	RXSB-7_0-2	Total/NA	Solid	7196A	996553
460-311117-4	RXSB-7_4-6	Total/NA	Solid	7196A	996553
460-311117-5	RXSB-4_0-2	Total/NA	Solid	7196A	996553
460-311117-6	RXSB-4_4-6	Total/NA	Solid	7196A	996553
460-311117-7	RXSB-6_0-2	Total/NA	Solid	7196A	996553
460-311117-8	RXSB-6_4-6	Total/NA	Solid	7196A	996553
460-311117-9	RXSB-1_0-2	Total/NA	Solid	7196A	996553
460-311117-10	RXSB-1_4-6	Total/NA	Solid	7196A	996553
MB 460-996553/1-A	Method Blank	Total/NA	Solid	7196A	996553
LCSI 460-996553/3-A	Lab Control Sample	Total/NA	Solid	7196A	996553
LCSSRM 460-996553/2-A	Lab Control Sample	Total/NA	Solid	7196A	996553
460-311117-9 MSI	RXSB-1_0-2	Total/NA	Solid	7196A	996553
460-311117-9 MSS	RXSB-1_0-2	Total/NA	Solid	7196A	996553
460-311117-9 DU	RXSB-1_0-2	Total/NA	Solid	7196A	996553

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_0-2

Lab Sample ID: 460-311117-1

Date Collected: 09/10/24 08:10

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-2_0-2

Lab Sample ID: 460-311117-1

Date Collected: 09/10/24 08:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:28
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 15:04
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 13:20
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:17
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		10	996040	AAA	EET EDI	09/16/24 11:58
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 15:50
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		10	995722	CDC	EET EDI	09/13/24 16:46
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		20	996065	TJS	EET EDI	09/16/24 07:56
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 11:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:49

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Date Collected: 09/10/24 08:15

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Date Collected: 09/10/24 08:15

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:29
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 15:29
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:53

Eurofins Edison

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-2_4-6

Lab Sample ID: 460-311117-2

Date Collected: 09/10/24 08:15

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:30
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:00
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 15:53
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 07:36
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:50

Client Sample ID: RXSB-7_0-2

Lab Sample ID: 460-311117-3

Date Collected: 09/10/24 09:40

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-7_0-2

Lab Sample ID: 460-311117-3

Date Collected: 09/10/24 09:40

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:30
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 15:54
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 10:09
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:43
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:18
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:00
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		5	995722	CDC	EET EDI	09/13/24 16:48
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:43
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:50

Eurofins Edison

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-7_4-6

Lab Sample ID: 460-311117-4

Date Collected: 09/10/24 09:50

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-7_4-6

Lab Sample ID: 460-311117-4

Date Collected: 09/10/24 09:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:31
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 16:18
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 12:10
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 05:56
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:36
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:02
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:44
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:51

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:31
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 16:43
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:18
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:09

Eurofins Edison

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-4_0-2

Lab Sample ID: 460-311117-5

Date Collected: 09/10/24 10:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 18:54
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:05
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		3	996065	TJS	EET EDI	09/16/24 07:38
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:52

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-4_4-6

Lab Sample ID: 460-311117-6

Date Collected: 09/10/24 10:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:32
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 17:08
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 09:52
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:22
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 19:12
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:07
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 07:40
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:53

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_0-2

Lab Sample ID: 460-311117-7

Date Collected: 09/10/24 11:45

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-6_0-2

Lab Sample ID: 460-311117-7

Date Collected: 09/10/24 11:45

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:33
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 17:33
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 10:26
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:35
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 19:30
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:09
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:54
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:54

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Date Collected: 09/10/24 11:50

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Date Collected: 09/10/24 11:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:34
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 19:11
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 10:44
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 06:48

Eurofins Edison

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-6_4-6

Lab Sample ID: 460-311117-8

Date Collected: 09/10/24 11:50

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 19:47
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:12
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:55
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:55

Client Sample ID: RXSB-1_0-2

Lab Sample ID: 460-311117-9

Date Collected: 09/10/24 13:00

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995936	CJC	EET EDI	09/15/24 09:52

Client Sample ID: RXSB-1_0-2

Lab Sample ID: 460-311117-9

Date Collected: 09/10/24 13:00

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:34
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 19:36
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:36
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 07:01
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 14:34
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 15:45
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:12
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 11:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:42

Lab Chronicle

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

Job ID: 460-311117-1

Client Sample ID: RXSB-1_4-6

Lab Sample ID: 460-311117-10

Date Collected: 09/10/24 13:10

Matrix: Solid

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	7196A		1	996077	LBD	EET EDI	09/16/24 09:13
Total/NA	Analysis	Moisture		1	995288	CJC	EET EDI	09/11/24 16:14

Client Sample ID: RXSB-1_4-6

Lab Sample ID: 460-311117-10

Date Collected: 09/10/24 13:10

Matrix: Solid

Date Received: 09/10/24 18:30

Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			995324	ERP	EET EDI	09/11/24 19:37
Total/NA	Analysis	8260D		1	995597	AAT	EET EDI	09/13/24 20:00
Total/NA	Prep	3546			995338	GXY	EET EDI	09/11/24 20:46
Total/NA	Analysis	8270E		1	995383	MDJ	EET EDI	09/12/24 11:01
Total/NA	Prep	3546			995513	ARA	EET EDI	09/12/24 17:07
Total/NA	Analysis	8081B		1	995588	FAM	EET EDI	09/13/24 07:40
Total/NA	Prep	3546			995504	ARA	EET EDI	09/12/24 16:57
Total/NA	Analysis	8082A		1	995697	AAA	EET EDI	09/13/24 20:05
Total/NA	Prep	3050B			995635	FBT	EET EDI	09/13/24 07:41
Total/NA	Analysis	6020B		1	995722	CDC	EET EDI	09/13/24 16:14
Total/NA	Prep	7471B			996005	TJS	EET EDI	09/16/24 00:42
Total/NA	Analysis	7471B		1	996065	TJS	EET EDI	09/16/24 04:57
Total/NA	Prep	3060A			996553	MNP	EET EDI	09/18/24 09:46 - 09/18/24 10:46 ¹
Total/NA	Analysis	7196A		1	996563	MNP	EET EDI	09/18/24 13:40
Total/NA	Prep	9012B			995975	VBG	EET EDI	09/14/24 21:29
Total/NA	Analysis	9012B		1	996001	VBG	EET EDI	09/15/24 17:59

Client Sample ID: TB_09102024

Lab Sample ID: 460-311117-11

Date Collected: 09/10/24 13:10

Matrix: Water

Date Received: 09/10/24 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	995611	SZD	EET EDI	09/13/24 09:36

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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: 460-311117-1

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		Solid	Cr (III)
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

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

Job ID: 460-311117-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	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
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

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

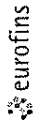
Sample Summary

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

Job ID: 460-311117-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-311117-1	RXSB-2_0-2	Solid	09/10/24 08:10	09/10/24 18:30
460-311117-2	RXSB-2_4-6	Solid	09/10/24 08:15	09/10/24 18:30
460-311117-3	RXSB-7_0-2	Solid	09/10/24 09:40	09/10/24 18:30
460-311117-4	RXSB-7_4-6	Solid	09/10/24 09:50	09/10/24 18:30
460-311117-5	RXSB-4_0-2	Solid	09/10/24 10:45	09/10/24 18:30
460-311117-6	RXSB-4_4-6	Solid	09/10/24 10:50	09/10/24 18:30
460-311117-7	RXSB-6_0-2	Solid	09/10/24 11:45	09/10/24 18:30
460-311117-8	RXSB-6_4-6	Solid	09/10/24 11:50	09/10/24 18:30
460-311117-9	RXSB-1_0-2	Solid	09/10/24 13:00	09/10/24 18:30
460-311117-10	RXSB-1_4-6	Solid	09/10/24 13:10	09/10/24 18:30
460-311117-11	TB_09102024	Water	09/10/24 13:10	09/10/24 18:30

Chain of Custody Record



Eaton Test

Client Information		Lab PVI:		Carrier Tracking No(s):		COC No:							
777 New Durham Road		Flannery Elizabeth J		460-185740-121602 1		460-185740-121602 1							
Phone: (732) 549-3900		E-Mail: Elizabeth.Flannery@eurofins.com		State of Origin:		Page: 1 of 1							
Company: Roux Environmental Eng & Geology DPC		PVSID: 704-770-6813		Analysis Requested		Job #: 3/1117							
Address: 209 Shafter St		Due Date Requested: 5/20/24		Barcode: 460-311117 Chain of Custody		on Codes:							
City: Islandia		TAT Requested (days): Standard											
State, Zip: NY 11749		Compliance Project: Δ Yes Δ No											
Phone: 631-232-2600		Purchase Order Requested											
Email: idolinko@rouxinc.com		WO #: 2828 W 28th Street											
Project Name: 2828 W 28th Street		Project #: 46044510											
Site: 2828 W 28th St		SSOW#: 2828 W 28th St											
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=organic, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9260D Part 375 VOCs	6020B Part 375 Metals, 7196A-Hex Chrome, 7196A-CR3-Ti	8270E Part 375 BNAS	8081B Pesticides, 8082A-PCBs	9012B Cyanide, Total	Total Number of Containers	Special Instructions/Note
PXSB-2-0-2	4/10/24	0810	G	S	N	N	X	X	X	X	X	5	-1
PXSB-2-4-6		0815	G	S	N	N	X	X	X	X	X	5	-2
PXSB-2-0-2		0942	G	S	N	N	X	X	X	X	X	5	-3
PXSB-2-4-6		0950	G	S	N	N	X	X	X	X	X	5	-4
PXSB-4-0-2		1045	G	S	N	N	X	X	X	X	X	5	-5
PXSB-4-4-6		1050	G	S	N	N	X	X	X	X	X	5	-6
PXSB-6-0-2		1145	G	S	N	N	X	X	X	X	X	5	-7
PXSB-6-4-6		1150	G	S	N	N	X	X	X	X	X	5	-8
PXSB-1-0-2		1300	G	S	N	N	X	X	X	X	X	5	-9
PXSB-1-4-6		1310	G	S	N	N	X	X	X	X	X	5	-10
TS, 04102024	5/24/24			W	N	N	X	X	X	X	X	2	-11

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

Deliverable Requested: I II III IV Other (specify)

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

Special Instructions/QC Requirements:

Time:	Date:	Received by:	Company:	Received by:	Company:	Received by:	Company:
	4/10/24 1345		parc		parc		parc
	4/10/24 1415		parc		parc		parc
	4/10/24 1530		parc		parc		parc
	4/10/24 1530		parc		parc		parc

Custody Seals Intact: Δ Yes Δ No

Custody Seal No

10/23 Dr & 9/10/12 °C

Ver: 05/06/2024

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted

Preservative Name/Conc.

Lot # of Preservative(s)

Expiration Date:

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

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

EDS-WI-038 Rev 4.1
10/22/2019

Initials:

Date _____

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-311117-1

Login Number: 311117

List Number: 1

Creator: Thundathorn, Sukanan 1

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	