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ANALYTICAL REPORT

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Laboratory Job ID: 580-111294-1
Client Project/Site: Red Hill NOI GW

For:
AECOM
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Authorized for release by:
3/23/2022 8:17:39 PM

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Job ID: 580-111294-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE
Client: AECOM
Project: Red Hill NOI GW
Report Number: 580-111294-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Five samples were received on 3/11/2022 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3º C and 1.9º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ERH2692 (OWDFMW01) (580-111294-1), ERH2772 (Equipment Blank) (580-111294-2), ERH2743 (RHMW13-5) (580-111294-3), ERH2744 (RHMW13-5) (580-111294-4) and ERH2745 (RHMW13-5) (580-111294-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270E. The samples were prepared on 03/17/2022 and analyzed on 03/22/2022.

Surrogate recovery for the following samples were outside control limits: ERH2772 (Equipment Blank) (580-111294-2) and ERH2745 (RHMW13-5) (580-111294-5). The associated samples were ND for all analytes.

The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-384725 was outside criteria for the following analyte: N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) associated with batch 580-384725 recovered above the upper control limit for bis (2-chloroisopropyl) ether (%D 26.6), Di-n-octyl phthalate (%D 30.8). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: ERH2692 (OWDFMW01) (580-111294-1), ERH2772 (Equipment Blank) (580-111294-2), ERH2743 (RHMW13-5) (580-111294-3), ERH2744 (RHMW13-5) (580-111294-4), ERH2745 (RHMW13-5) (580-111294-5) and (CCVIS 580-384725/3).

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-383995 and

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Laboratory: Eurofins Seattle (Continued)

580-384177 and analytical batch 580-384146 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene, 1,3-Dichlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Phenol, Pyridine and 3 & 4 Methylphenol. The associated LCS and LCSD recoveries were in control.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS - SIM)

Samples ERH2692 (OWDFMW01) (580-111294-1), ERH2772 (Equipment Blank) (580-111294-2), ERH2743 (RHMW13-5) (580-111294-3), ERH2744 (RHMW13-5) (580-111294-4) and ERH2745 (RHMW13-5) (580-111294-5) were analyzed for semivolatile organic compounds (GC-MS - SIM) in accordance with 8270E SIM. The samples were prepared on 03/17/2022 and analyzed on 03/18/2022.

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

Definitions/Glossary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Glossary

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

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2692 (OWDFMW01)

Date Collected: 03/10/22 10:05
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-1

Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.033	U M	0.10	0.020	ug/L		03/17/22 11:35	03/18/22 13:59	1
2-Methylnaphthalene	0.082	U M	0.21	0.040	ug/L		03/17/22 11:35	03/18/22 13:59	1
Acenaphthene	0.033	U M	0.10	0.014	ug/L		03/17/22 11:35	03/18/22 13:59	1
Acenaphthylene	0.033	U M	0.052	0.0093	ug/L		03/17/22 11:35	03/18/22 13:59	1
Anthracene	0.082	U M	0.10	0.023	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[a]anthracene	0.033	U M	0.052	0.014	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[a]pyrene	0.033	U M	0.10	0.011	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[b]fluoranthene	0.033	U	0.052	0.011	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[g,h,i]perylene	0.033	U	0.052	0.012	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[k]fluoranthene	0.033	U	0.052	0.012	ug/L		03/17/22 11:35	03/18/22 13:59	1
Chrysene	0.033	U M	0.10	0.016	ug/L		03/17/22 11:35	03/18/22 13:59	1
Dibenz(a,h)anthracene	0.033	U	0.10	0.027	ug/L		03/17/22 11:35	03/18/22 13:59	1
Fluoranthene	0.033	U M	0.21	0.019	ug/L		03/17/22 11:35	03/18/22 13:59	1
Fluorene	0.033	U M	0.10	0.018	ug/L		03/17/22 11:35	03/18/22 13:59	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.052	0.014	ug/L		03/17/22 11:35	03/18/22 13:59	1
Naphthalene	0.082	U M	0.10	0.032	ug/L		03/17/22 11:35	03/18/22 13:59	1
Phenanthrene	0.082	U M	0.10	0.032	ug/L		03/17/22 11:35	03/18/22 13:59	1
Pyrene	0.082	U M	0.10	0.034	ug/L		03/17/22 11:35	03/18/22 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*63*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:59*	*1*
Fluoranthene-d10 (Surr)	*82*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:59*	*1*
Terphenyl-d14	*90*		*58 - 132*	*03/17/22 11:35*	*03/18/22 13:59*	*1*

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.31	U Q	0.41	0.093	ug/L		03/17/22 11:35	03/22/22 17:10	1
1,2-Dichlorobenzene	0.15	U	0.41	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
1,3-Dichlorobenzene	0.093	U Q	0.41	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
1,4-Dichlorobenzene	0.093	U	0.41	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4,5-Trichlorophenol	0.31	U	0.41	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4,6-Trichlorophenol	0.31	U	0.62	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dichlorophenol	0.52	U	1.0	0.21	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dimethylphenol	0.52	U	4.1	0.16	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dinitrophenol	3.3	U	5.2	1.6	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dinitrotoluene	0.31	U	1.0	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,6-Dinitrotoluene	0.31	U	0.41	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2-Chloronaphthalene	0.15	U	1.0	0.072	ug/L		03/17/22 11:35	03/22/22 17:10	1
2-Chlorophenol	0.15	U	1.0	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
2-Nitrophenol	0.15	U	1.0	0.072	ug/L		03/17/22 11:35	03/22/22 17:10	1
3,3'-Dichlorobenzidine	0.62	U	1.0	0.27	ug/L		03/17/22 11:35	03/22/22 17:10	1
4,6-Dinitro-2-methylphenol	1.2	U	2.1	0.57	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Bromophenyl phenyl ether	0.15	U	0.62	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Chloro-3-methylphenol	0.31	U M	0.62	0.13	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Chlorophenyl phenyl ether	0.15	U	0.62	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Nitrophenol	6.2	U	10	1.8	ug/L		03/17/22 11:35	03/22/22 17:10	1
Azobenzene	0.15	U	2.1	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Bis(2-chloroethoxy)methane	0.15	U	0.62	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
Bis(2-chloroethyl)ether	0.093	U	0.10	0.031	ug/L		03/17/22 11:35	03/22/22 17:10	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.1	0.76	ug/L		03/17/22 11:35	03/22/22 17:10	1

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2692 (OWDFMW01)
Date Collected: 03/10/22 10:05
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-1
Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.15	U M Q	0.26	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Butyl benzyl phthalate	0.62	U	4.1	0.28	ug/L		03/17/22 11:35	03/22/22 17:10	1
Diethyl phthalate	0.31	U	1.0	0.15	ug/L		03/17/22 11:35	03/22/22 17:10	1
Dimethyl phthalate	0.15	U	0.62	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Di-n-butyl phthalate	0.52	U	3.1	0.20	ug/L		03/17/22 11:35	03/22/22 17:10	1
Di-n-octyl phthalate	0.31	U M Q	1.0	0.13	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachlorobenzene	0.093	U	0.62	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachlorobutadiene	0.15	U Q	1.0	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachlorocyclopentadiene	0.31	U Q	1.0	0.14	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachloroethane	0.15	U Q	1.0	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
Isophorone	0.31	U	0.41	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
m+p-Cresol	0.31	U Q	0.62	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
Nitrobenzene	0.093	U	1.0	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
N-Nitrosodimethylamine	0.62	U	2.1	0.27	ug/L		03/17/22 11:35	03/22/22 17:10	1
N-Nitrosodi-n-propylamine	0.093	U	0.41	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.072	ug/L		03/17/22 11:35	03/22/22 17:10	1
o-Cresol	0.15	U	0.62	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
Pentachlorophenol	1.0	U	10	0.53	ug/L		03/17/22 11:35	03/22/22 17:10	1
Phenol	0.62	U Q	1.0	0.37	ug/L		03/17/22 11:35	03/22/22 17:10	1
Pyrene	0.093	U	1.0	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
Pyridine	3.3	U Q	10	1.1	ug/L		03/17/22 11:35	03/22/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*43 - 140*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
2-Fluorobiphenyl	*69*		*44 - 119*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
2-Fluorophenol (Surr)	*53*		*19 - 119*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
Phenol-d5 (Surr)	*32*		*10 - 120*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
Terphenyl-d14	*97*		*50 - 134*	*03/17/22 11:35*	*03/22/22 17:10*	*1*

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2772 (Equipment Blank)

Date Collected: 03/10/22 11:42
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-2

Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.031	U M	0.095	0.018	ug/L		03/17/22 11:35	03/18/22 14:18	1
2-Methylnaphthalene	0.076	U M	0.19	0.037	ug/L		03/17/22 11:35	03/18/22 14:18	1
Acenaphthene	0.031	U	0.095	0.013	ug/L		03/17/22 11:35	03/18/22 14:18	1
Acenaphthylene	0.031	U	0.048	0.0086	ug/L		03/17/22 11:35	03/18/22 14:18	1
Anthracene	0.076	U M	0.095	0.021	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[a]anthracene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[a]pyrene	0.031	U	0.095	0.010	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[b]fluoranthene	0.031	U	0.048	0.010	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[g,h,i]perylene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[k]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:18	1
Chrysene	0.031	U	0.095	0.015	ug/L		03/17/22 11:35	03/18/22 14:18	1
Dibenz(a,h)anthracene	0.031	U	0.095	0.025	ug/L		03/17/22 11:35	03/18/22 14:18	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/17/22 11:35	03/18/22 14:18	1
Fluorene	0.031	U	0.095	0.016	ug/L		03/17/22 11:35	03/18/22 14:18	1
Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:18	1
Naphthalene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 14:18	1
Phenanthrene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 14:18	1
Pyrene	0.076	U M	0.095	0.031	ug/L		03/17/22 11:35	03/18/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*51*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:18*	*1*
Fluoranthene-d10 (Surr)	*72*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:18*	*1*
Terphenyl-d14	*88*		*58 - 132*	*03/17/22 11:35*	*03/18/22 14:18*	*1*

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/17/22 11:35	03/22/22 17:34	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4,5-Trichlorophenol	0.29	U Q	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4,6-Trichlorophenol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dinitrophenol	3.1	U Q	4.8	1.5	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,6-Dinitrotoluene	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 17:34	1
2-Chlorophenol	0.14	U	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
2-Nitrophenol	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 17:34	1
3,3'-Dichlorobenzidine	0.57	U	0.95	0.25	ug/L		03/17/22 11:35	03/22/22 17:34	1
4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	0.52	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Chloro-3-methylphenol	0.29	U Q	0.57	0.12	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Nitrophenol	5.7	U Q	9.5	1.6	ug/L		03/17/22 11:35	03/22/22 17:34	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
Bis(2-chloroethyl)ether	0.086	U	0.095	0.029	ug/L		03/17/22 11:35	03/22/22 17:34	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.71	ug/L		03/17/22 11:35	03/22/22 17:34	1

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2772 (Equipment Blank)
Date Collected: 03/10/22 11:42
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-2
Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/17/22 11:35	03/22/22 17:34	1
Diethyl phthalate	0.29	U	0.95	0.14	ug/L		03/17/22 11:35	03/22/22 17:34	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/17/22 11:35	03/22/22 17:34	1
Di-n-octyl phthalate	0.29	U M Q	0.95	0.12	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
m+p-Cresol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/17/22 11:35	03/22/22 17:34	1
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 17:34	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
Pentachlorophenol	0.95	U Q	9.5	0.49	ug/L		03/17/22 11:35	03/22/22 17:34	1
Phenol	0.57	U Q	0.95	0.34	ug/L		03/17/22 11:35	03/22/22 17:34	1
Pyrene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
Pyridine	3.1	U Q	9.5	1.0	ug/L		03/17/22 11:35	03/22/22 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*31*	*M Q*	*43 - 140*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
2-Fluorobiphenyl	*60*		*44 - 119*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
2-Fluorophenol (Surr)	*38*		*19 - 119*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
Nitrobenzene-d5 (Surr)	*56*		*44 - 120*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
Phenol-d5 (Surr)	*22*		*10 - 120*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
Terphenyl-d14	*87*		*50 - 134*	*03/17/22 11:35*	*03/22/22 17:34*	*1*

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2743 (RHMW13-5)

Date Collected: 03/10/22 09:15
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-3

Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/17/22 11:35	03/18/22 14:38	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/17/22 11:35	03/18/22 14:38	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/17/22 11:35	03/18/22 14:38	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/17/22 11:35	03/18/22 14:38	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 14:38	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/17/22 11:35	03/18/22 14:38	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/17/22 11:35	03/18/22 14:38	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/17/22 11:35	03/18/22 14:38	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/17/22 11:35	03/18/22 14:38	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 14:38	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 14:38	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 14:38	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/17/22 11:35	03/18/22 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*58*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:38*	*1*
Fluoranthene-d10 (Surr)	*79*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:38*	*1*
Terphenyl-d14	*87*		*58 - 132*	*03/17/22 11:35*	*03/18/22 14:38*	*1*

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/17/22 11:35	03/22/22 17:58	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/17/22 11:35	03/22/22 17:58	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/17/22 11:35	03/22/22 17:58	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/17/22 11:35	03/22/22 17:58	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/17/22 11:35	03/22/22 17:58	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/17/22 11:35	03/22/22 17:58	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/17/22 11:35	03/22/22 17:58	1

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2743 (RHMW13-5)
Date Collected: 03/10/22 09:15
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-3
Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.15	U M Q	0.25	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/17/22 11:35	03/22/22 17:58	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/17/22 11:35	03/22/22 17:58	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/17/22 11:35	03/22/22 17:58	1
Di-n-octyl phthalate	0.30	U M Q	1.0	0.13	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
m+p-Cresol	0.30	U Q	0.60	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/17/22 11:35	03/22/22 17:58	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/17/22 11:35	03/22/22 17:58	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/17/22 11:35	03/22/22 17:58	1
Phenol	0.60	U M Q	1.0	0.36	ug/L		03/17/22 11:35	03/22/22 17:58	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/17/22 11:35	03/22/22 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*43 - 140*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
2-Fluorobiphenyl	*59*		*44 - 119*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 119*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
Nitrobenzene-d5 (Surr)	*70*		*44 - 120*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
Phenol-d5 (Surr)	*24*		*10 - 120*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
Terphenyl-d14	*95*		*50 - 134*	*03/17/22 11:35*	*03/22/22 17:58*	*1*

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2744 (RHMW13-5)

Date Collected: 03/10/22 12:44
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-4

Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.031	U M	0.096	0.018	ug/L		03/17/22 11:35	03/18/22 14:57	1
2-Methylnaphthalene	0.077	U M	0.19	0.037	ug/L		03/17/22 11:35	03/18/22 14:57	1
Acenaphthene	0.031	U M	0.096	0.013	ug/L		03/17/22 11:35	03/18/22 14:57	1
Acenaphthylene	0.031	U M	0.048	0.0086	ug/L		03/17/22 11:35	03/18/22 14:57	1
Anthracene	0.077	U	0.096	0.021	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[a]anthracene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[a]pyrene	0.031	U	0.096	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[b]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[g,h,i]perylene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[k]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Chrysene	0.031	U	0.096	0.015	ug/L		03/17/22 11:35	03/18/22 14:57	1
Dibenz(a,h)anthracene	0.031	U	0.096	0.025	ug/L		03/17/22 11:35	03/18/22 14:57	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/17/22 11:35	03/18/22 14:57	1
Fluorene	0.031	U	0.096	0.016	ug/L		03/17/22 11:35	03/18/22 14:57	1
Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:57	1
Naphthalene	0.077	U M	0.096	0.030	ug/L		03/17/22 11:35	03/18/22 14:57	1
Phenanthrene	0.077	U M	0.096	0.030	ug/L		03/17/22 11:35	03/18/22 14:57	1
Pyrene	0.077	U M	0.096	0.032	ug/L		03/17/22 11:35	03/18/22 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*52*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:57*	*1*
Fluoranthene-d10 (Surr)	*76*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:57*	*1*
Terphenyl-d14	*87*		*58 - 132*	*03/17/22 11:35*	*03/18/22 14:57*	*1*

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/17/22 11:35	03/22/22 18:22	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4,5-Trichlorophenol	0.29	U	0.38	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4,6-Trichlorophenol	0.29	U	0.57	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dichlorophenol	0.48	U	0.96	0.19	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dinitrophenol	3.1	U	4.8	1.5	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dinitrotoluene	0.29	U	0.96	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,6-Dinitrotoluene	0.29	U	0.38	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2-Chloronaphthalene	0.14	U	0.96	0.067	ug/L		03/17/22 11:35	03/22/22 18:22	1
2-Chlorophenol	0.14	U	0.96	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
2-Nitrophenol	0.14	U	0.96	0.067	ug/L		03/17/22 11:35	03/22/22 18:22	1
3,3'-Dichlorobenzidine	0.57	U	0.96	0.25	ug/L		03/17/22 11:35	03/22/22 18:22	1
4,6-Dinitro-2-methylphenol	1.1	U	1.9	0.53	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Chloro-3-methylphenol	0.29	U	0.57	0.12	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Nitrophenol	5.7	U	9.6	1.6	ug/L		03/17/22 11:35	03/22/22 18:22	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Bis(2-chloroethoxy)methane	**0.27**	**J**	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
Bis(2-chloroethyl)ether	0.086	U	0.096	0.029	ug/L		03/17/22 11:35	03/22/22 18:22	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.71	ug/L		03/17/22 11:35	03/22/22 18:22	1

Client Sample ID: ERH2744 (RHMW13-5)
Date Collected: 03/10/22 12:44
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-4
Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/17/22 11:35	03/22/22 18:22	1
Diethyl phthalate	0.29	U	0.96	0.14	ug/L		03/17/22 11:35	03/22/22 18:22	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/17/22 11:35	03/22/22 18:22	1
Di-n-octyl phthalate	0.29	U M Q	0.96	0.12	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachlorobutadiene	0.14	U Q	0.96	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachlorocyclopentadiene	0.29	U Q	0.96	0.13	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachloroethane	0.14	U Q	0.96	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
Isophorone	0.29	U	0.38	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
m+p-Cresol	0.29	U Q	0.57	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
Nitrobenzene	0.086	U	0.96	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/17/22 11:35	03/22/22 18:22	1
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
N-Nitrosodiphenylamine	0.14	U	0.96	0.067	ug/L		03/17/22 11:35	03/22/22 18:22	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
Pentachlorophenol	0.96	U	9.6	0.49	ug/L		03/17/22 11:35	03/22/22 18:22	1
Phenol	0.57	U Q	0.96	0.34	ug/L		03/17/22 11:35	03/22/22 18:22	1
Pyrene	0.086	U	0.96	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
Pyridine	3.1	U Q	9.6	1.0	ug/L		03/17/22 11:35	03/22/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*44*		*43 - 140*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
2-Fluorobiphenyl	*62*		*44 - 119*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
2-Fluorophenol (Surr)	*39*		*19 - 119*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
Nitrobenzene-d5 (Surr)	*62*		*44 - 120*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
Phenol-d5 (Surr)	*22*		*10 - 120*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
Terphenyl-d14	*91*		*50 - 134*	*03/17/22 11:35*	*03/22/22 18:22*	*1*

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2745 (RHMW13-5)

Date Collected: 03/10/22 11:05
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-5

Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.031	U M	0.095	0.018	ug/L		03/17/22 11:35	03/18/22 15:16	1
2-Methylnaphthalene	0.076	U M	0.19	0.037	ug/L		03/17/22 11:35	03/18/22 15:16	1
Acenaphthene	0.031	U	0.095	0.013	ug/L		03/17/22 11:35	03/18/22 15:16	1
Acenaphthylene	0.031	U	0.048	0.0086	ug/L		03/17/22 11:35	03/18/22 15:16	1
Anthracene	0.076	U	0.095	0.021	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[a]anthracene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[a]pyrene	0.031	U	0.095	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[b]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[g,h,i]perylene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[k]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Chrysene	0.031	U	0.095	0.015	ug/L		03/17/22 11:35	03/18/22 15:16	1
Dibenz(a,h)anthracene	0.031	U	0.095	0.025	ug/L		03/17/22 11:35	03/18/22 15:16	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/17/22 11:35	03/18/22 15:16	1
Fluorene	0.031	U	0.095	0.016	ug/L		03/17/22 11:35	03/18/22 15:16	1
Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 15:16	1
Naphthalene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 15:16	1
Phenanthrene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 15:16	1
Pyrene	0.076	U M	0.095	0.032	ug/L		03/17/22 11:35	03/18/22 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*57*		*40 - 140*	*03/17/22 11:35*	*03/18/22 15:16*	*1*
Fluoranthene-d10 (Surr)	*74*		*40 - 140*	*03/17/22 11:35*	*03/18/22 15:16*	*1*
Terphenyl-d14	*87*		*58 - 132*	*03/17/22 11:35*	*03/18/22 15:16*	*1*

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/17/22 11:35	03/22/22 18:45	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4,5-Trichlorophenol	0.29	U Q	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4,6-Trichlorophenol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dinitrophenol	3.1	U Q	4.8	1.5	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,6-Dinitrotoluene	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 18:45	1
2-Chlorophenol	0.14	U	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
2-Nitrophenol	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 18:45	1
3,3'-Dichlorobenzidine	0.57	U	0.95	0.25	ug/L		03/17/22 11:35	03/22/22 18:45	1
4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	0.53	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Chloro-3-methylphenol	0.29	U M Q	0.57	0.12	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Nitrophenol	5.7	U Q	9.5	1.6	ug/L		03/17/22 11:35	03/22/22 18:45	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
Bis(2-chloroethyl)ether	0.086	U M	0.095	0.029	ug/L		03/17/22 11:35	03/22/22 18:45	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.71	ug/L		03/17/22 11:35	03/22/22 18:45	1

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2745 (RHMW13-5)
Date Collected: 03/10/22 11:05
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-5
Matrix: Water

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/17/22 11:35	03/22/22 18:45	1
Diethyl phthalate	0.29	U	0.95	0.14	ug/L		03/17/22 11:35	03/22/22 18:45	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/17/22 11:35	03/22/22 18:45	1
Di-n-octyl phthalate	0.29	U M Q	0.95	0.12	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
m+p-Cresol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/17/22 11:35	03/22/22 18:45	1
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 18:45	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
Pentachlorophenol	0.95	U Q	9.5	0.49	ug/L		03/17/22 11:35	03/22/22 18:45	1
Phenol	0.57	U Q	0.95	0.34	ug/L		03/17/22 11:35	03/22/22 18:45	1
Pyrene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
Pyridine	3.1	U Q	9.5	1.0	ug/L		03/17/22 11:35	03/22/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*39*	*Q*	*43 - 140*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
2-Fluorobiphenyl	*62*		*44 - 119*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
2-Fluorophenol (Surr)	*42*		*19 - 119*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
Nitrobenzene-d5 (Surr)	*64*		*44 - 120*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
Terphenyl-d14	*90*		*50 - 134*	*03/17/22 11:35*	*03/22/22 18:45*	*1*

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

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/16/22 09:47	03/17/22 13:35	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/16/22 09:47	03/17/22 13:35	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/16/22 09:47	03/17/22 13:35	1
Diethyl phthalate	0.30	U M	1.0	0.15	ug/L		03/16/22 09:47	03/17/22 13:35	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/16/22 09:47	03/17/22 13:35	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
m+p-Cresol	0.30	U M	0.60	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
Nitrobenzene	0.090	U M	1.0	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/16/22 09:47	03/17/22 13:35	1
Phenol	0.60	U	1.0	0.36	ug/L		03/16/22 09:47	03/17/22 13:35	1
Pyrene	0.090	U M	1.0	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
Pyridine	3.2	U	10	1.1	ug/L		03/16/22 09:47	03/17/22 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*43 - 140*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
2-Fluorobiphenyl	*72*		*44 - 119*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
2-Fluorophenol (Surr)	*48*		*19 - 119*	*03/16/22 09:47*	*03/17/22 13:35*	*1*

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

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
Phenol-d5 (Surr)	*31*		*10 - 120*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
Terphenyl-d14	*98*		*50 - 134*	*03/16/22 09:47*	*03/17/22 13:35*	*1*

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	2.00	1.28		ug/L		64	29 - 116
1,2-Dichlorobenzene	2.00	1.17		ug/L		58	32 - 111
1,3-Dichlorobenzene	2.00	1.19		ug/L		59	28 - 110
1,4-Dichlorobenzene	2.00	1.14		ug/L		57	29 - 112
2,4,5-Trichlorophenol	2.00	1.55		ug/L		78	53 - 123
2,4,6-Trichlorophenol	2.00	1.74		ug/L		87	50 - 125
2,4-Dichlorophenol	2.00	1.69		ug/L		84	47 - 121
2,4-Dimethylphenol	2.00	1.57	J	ug/L		79	31 - 124
2,4-Dinitrotoluene	2.00	1.96		ug/L		98	57 - 128
2,6-Dinitrotoluene	2.00	1.93		ug/L		97	57 - 124
2-Chloronaphthalene	2.00	1.60		ug/L		80	40 - 116
2-Chlorophenol	2.00	1.64		ug/L		82	38 - 117
2-Nitrophenol	2.00	1.73		ug/L		87	47 - 123
3,3'-Dichlorobenzidine	4.00	3.89		ug/L		97	27 - 129
4-Bromophenyl phenyl ether	2.00	1.65		ug/L		82	55 - 124
4-Chloro-3-methylphenol	2.00	1.73		ug/L		87	52 - 119
4-Chlorophenyl phenyl ether	2.00	1.80		ug/L		90	53 - 121
4-Nitrophenol	4.00	6.0	U	ug/L		41	35 - 145
Azobenzene	2.00	1.68	J	ug/L		84	61 - 116
Bis(2-chloroethoxy)methane	2.00	1.62		ug/L		81	48 - 120
Bis(2-chloroethyl)ether	2.00	1.42		ug/L		71	43 - 118
Bis(2-ethylhexyl) phthalate	2.00	2.49	J	ug/L		124	55 - 135
bis (2-chloroisopropyl) ether	2.00	1.42		ug/L		71	37 - 130
Butyl benzyl phthalate	2.00	2.06	J	ug/L		103	53 - 134
Diethyl phthalate	2.00	1.99		ug/L		99	56 - 125
Dimethyl phthalate	2.00	2.10		ug/L		105	45 - 127
Di-n-butyl phthalate	2.00	1.83	J	ug/L		92	59 - 127
Di-n-octyl phthalate	2.00	2.21		ug/L		111	51 - 140
Hexachlorobenzene	2.00	1.56		ug/L		78	53 - 125
Hexachlorobutadiene	2.00	0.997	J	ug/L		50	22 - 124
Hexachlorocyclopentadiene	2.00	0.994	J	ug/L		50	20 - 125
Hexachloroethane	2.00	1.04		ug/L		52	21 - 115
Isophorone	2.00	1.64		ug/L		82	42 - 124
m+p-Cresol	2.00	1.15		ug/L		57	29 - 110
Nitrobenzene	2.00	1.56		ug/L		78	45 - 121
N-Nitrosodimethylamine	2.00	1.11	J	ug/L		56	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.55		ug/L		77	49 - 119
N-Nitrosodiphenylamine	2.00	1.89		ug/L		95	51 - 123
o-Cresol	2.00	1.46		ug/L		73	30 - 117

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

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			4.00	1.55	J	ug/L		39	35 - 138		
Phenol			2.00	0.826	J M	ug/L		41	13 - 120		
Pyrene			2.00	1.65		ug/L		82	57 - 126		
Pyridine			4.00	1.33	J	ug/L		33	20 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*43 - 140*
2-Fluorobiphenyl	*79*		*44 - 119*
2-Fluorophenol (Surr)	*50*		*19 - 119*
Nitrobenzene-d5 (Surr)	*81*		*44 - 120*
Phenol-d5 (Surr)	*32*		*10 - 120*
Terphenyl-d14	*96*		*50 - 134*

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			2.00	0.993	Q	ug/L		50	29 - 116	25	20
1,2-Dichlorobenzene			2.00	0.999		ug/L		50	32 - 111	15	20
1,3-Dichlorobenzene			2.00	0.933	Q	ug/L		47	28 - 110	24	20
1,4-Dichlorobenzene			2.00	0.926		ug/L		46	29 - 112	20	20
2,4,5-Trichlorophenol			2.00	1.59		ug/L		79	53 - 123	2	20
2,4,6-Trichlorophenol			2.00	1.56		ug/L		78	50 - 125	11	20
2,4-Dichlorophenol			2.00	1.64		ug/L		82	47 - 121	3	20
2,4-Dimethylphenol			2.00	1.57	J	ug/L		79	31 - 124	0	20
2,4-Dinitrotoluene			2.00	1.81		ug/L		90	57 - 128	8	20
2,6-Dinitrotoluene			2.00	1.74		ug/L		87	57 - 124	11	20
2-Chloronaphthalene			2.00	1.43		ug/L		71	40 - 116	12	20
2-Chlorophenol			2.00	1.75		ug/L		88	38 - 117	6	20
2-Nitrophenol			2.00	1.67		ug/L		84	47 - 123	3	20
3,3'-Dichlorobenzidine			4.00	4.14		ug/L		103	27 - 129	6	20
4-Bromophenyl phenyl ether			2.00	1.64		ug/L		82	55 - 124	1	20
4-Chloro-3-methylphenol			2.00	1.61		ug/L		81	52 - 119	7	20
4-Chlorophenyl phenyl ether			2.00	1.64		ug/L		82	53 - 121	9	20
4-Nitrophenol			4.00	6.0	U	ug/L		41	35 - 145	0	20
Azobenzene			2.00	1.69	J	ug/L		84	61 - 116	1	20
Bis(2-chloroethoxy)methane			2.00	1.65		ug/L		83	48 - 120	2	20
Bis(2-chloroethyl)ether			2.00	1.52		ug/L		76	43 - 118	7	20
Bis(2-ethylhexyl) phthalate			2.00	2.49	J	ug/L		125	55 - 135	0	20
bis (2-chloroisopropyl) ether			2.00	1.47		ug/L		73	37 - 130	3	20
Butyl benzyl phthalate			2.00	2.03	J	ug/L		101	53 - 134	2	20
Diethyl phthalate			2.00	1.92		ug/L		96	56 - 125	3	20
Dimethyl phthalate			2.00	1.96		ug/L		98	45 - 127	7	20
Di-n-butyl phthalate			2.00	1.88	J	ug/L		94	59 - 127	3	20
Di-n-octyl phthalate			2.00	2.16		ug/L		108	51 - 140	3	20
Hexachlorobenzene			2.00	1.64		ug/L		82	53 - 125	5	20
Hexachlorobutadiene			2.00	0.666	J Q	ug/L		33	22 - 124	40	20

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

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene	2.00	0.706	J Q	ug/L		35	20 - 125	34	20
Hexachloroethane	2.00	0.752	J Q	ug/L		38	21 - 115	33	20
Isophorone	2.00	1.63		ug/L		82	42 - 124	1	20
m+p-Cresol	2.00	1.44	Q	ug/L		72	29 - 110	22	20
Nitrobenzene	2.00	1.64		ug/L		82	45 - 121	5	20
N-Nitrosodimethylamine	2.00	1.06	J	ug/L		53	45 - 125	5	20
N-Nitrosodi-n-propylamine	2.00	1.58		ug/L		79	49 - 119	2	20
N-Nitrosodiphenylamine	2.00	1.96		ug/L		98	51 - 123	3	20
o-Cresol	2.00	1.59		ug/L		80	30 - 117	9	20
Pentachlorophenol	4.00	1.83	J	ug/L		46	35 - 138	17	20
Phenol	2.00	0.664	J Q	ug/L		33	13 - 120	22	20
Pyrene	2.00	1.66		ug/L		83	57 - 126	1	20
Pyridine	4.00	1.78	J Q	ug/L		44	20 - 125	29	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*43 - 140*
2-Fluorobiphenyl	*73*		*44 - 119*
2-Fluorophenol (Surr)	*51*		*19 - 119*
Nitrobenzene-d5 (Surr)	*77*		*44 - 120*
Phenol-d5 (Surr)	*41*	*M*	*10 - 120*
Terphenyl-d14	*103*		*50 - 134*

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

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol - RA	3.2	U	5.0	1.6	ug/L		03/16/22 09:47	03/22/22 13:51	1
4,6-Dinitro-2-methylphenol - RA	1.2	U	2.0	0.55	ug/L		03/16/22 09:47	03/22/22 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr) - RA	*60*		*43 - 140*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
2-Fluorobiphenyl - RA	*69*		*44 - 119*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
2-Fluorophenol (Surr) - RA	*50*		*19 - 119*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
Nitrobenzene-d5 (Surr) - RA	*79*		*44 - 120*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
Phenol-d5 (Surr) - RA	*31*		*10 - 120*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
Terphenyl-d14 - RA	*108*		*50 - 134*	*03/16/22 09:47*	*03/22/22 13:51*	*1*

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrophenol - RA	4.00	2.96	J M	ug/L		74	23 - 143
4,6-Dinitro-2-methylphenol - RA	4.00	3.21		ug/L		80	44 - 137

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

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr) - RA	*90*		*43 - 140*
2-Fluorobiphenyl - RA	*76*		*44 - 119*
2-Fluorophenol (Surr) - RA	*53*		*19 - 119*
Nitrobenzene-d5 (Surr) - RA	*90*		*44 - 120*
Phenol-d5 (Surr) - RA	*36*		*10 - 120*
Terphenyl-d14 - RA	*111*		*50 - 134*

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrophenol - RA			4.00	3.15	J M	ug/L		79	23 - 143	6	20
4,6-Dinitro-2-methylphenol - RA			4.00	3.10		ug/L		78	44 - 137	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr) - RA	*81*		*43 - 140*
2-Fluorobiphenyl - RA	*81*		*44 - 119*
2-Fluorophenol (Surr) - RA	*53*		*19 - 119*
Nitrobenzene-d5 (Surr) - RA	*89*		*44 - 120*
Phenol-d5 (Surr) - RA	*37*		*10 - 120*
Terphenyl-d14 - RA	*102*		*50 - 134*

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

Lab Sample ID: MB 580-384177/1-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384177

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/17/22 11:35	03/18/22 13:02	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/17/22 11:35	03/18/22 13:02	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/17/22 11:35	03/18/22 13:02	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/17/22 11:35	03/18/22 13:02	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 13:02	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/17/22 11:35	03/18/22 13:02	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/17/22 11:35	03/18/22 13:02	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/17/22 11:35	03/18/22 13:02	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/17/22 11:35	03/18/22 13:02	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 13:02	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 13:02	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 13:02	1

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

Lab Sample ID: MB 580-384177/1-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384177

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.080	U	0.10	0.033	ug/L		03/17/22 11:35	03/18/22 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:02*	*1*
Fluoranthene-d10 (Surr)	*76*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:02*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/17/22 11:35*	*03/18/22 13:02*	*1*

Lab Sample ID: LCS 580-384177/2-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	2.00	1.28		ug/L		64	41 - 115
2-Methylnaphthalene	2.00	1.24		ug/L		62	39 - 114
Acenaphthene	2.00	1.32		ug/L		66	48 - 114
Acenaphthylene	2.00	1.25		ug/L		62	35 - 121
Anthracene	2.00	1.45		ug/L		73	53 - 119
Benzo[a]anthracene	2.00	1.67		ug/L		83	59 - 120
Benzo[a]pyrene	2.00	1.55		ug/L		78	53 - 120
Benzo[b]fluoranthene	2.00	1.65		ug/L		82	53 - 126
Benzo[g,h,i]perylene	2.00	1.82		ug/L		91	44 - 128
Benzo[k]fluoranthene	2.00	1.75		ug/L		87	54 - 125
Chrysene	2.00	1.58		ug/L		79	57 - 120
Dibenz(a,h)anthracene	2.00	1.83	M	ug/L		91	44 - 131
Fluoranthene	2.00	1.60		ug/L		80	58 - 120
Fluorene	2.00	1.38		ug/L		69	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.77	M	ug/L		88	48 - 130
Naphthalene	2.00	1.27		ug/L		64	43 - 114
Phenanthrene	2.00	1.46		ug/L		73	53 - 115
Pyrene	2.00	1.60		ug/L		80	53 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-methylnaphthalene-d10	*61*		*40 - 140*
Fluoranthene-d10 (Surr)	*78*		*40 - 140*
Terphenyl-d14	*87*		*58 - 132*

Lab Sample ID: LCSD 580-384177/3-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	2.00	1.13		ug/L		57	41 - 115	13	20
2-Methylnaphthalene	2.00	1.10		ug/L		55	39 - 114	12	20
Acenaphthene	2.00	1.22		ug/L		61	48 - 114	9	20
Acenaphthylene	2.00	1.14		ug/L		57	35 - 121	9	20
Anthracene	2.00	1.36		ug/L		68	53 - 119	7	20
Benzo[a]anthracene	2.00	1.58		ug/L		79	59 - 120	5	20
Benzo[a]pyrene	2.00	1.53		ug/L		77	53 - 120	1	20

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

Lab Sample ID: LCSD 580-384177/3-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384177

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene			2.00	1.65		ug/L		82	53 - 126	0	20
Benzo[g,h,i]perylene			2.00	1.78		ug/L		89	44 - 128	2	20
Benzo[k]fluoranthene			2.00	1.68		ug/L		84	54 - 125	4	20
Chrysene			2.00	1.42		ug/L		71	57 - 120	11	20
Dibenz(a,h)anthracene			2.00	1.77	M	ug/L		89	44 - 131	3	20
Fluoranthene			2.00	1.52		ug/L		76	58 - 120	5	20
Fluorene			2.00	1.27		ug/L		63	50 - 118	9	20
Indeno[1,2,3-cd]pyrene			2.00	1.77	M	ug/L		89	48 - 130	0	20
Naphthalene			2.00	1.15		ug/L		57	43 - 114	11	20
Phenanthrene			2.00	1.35		ug/L		68	53 - 115	7	20
Pyrene			2.00	1.52		ug/L		76	53 - 121	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-methylnaphthalene-d10	*57*		*40 - 140*
Fluoranthene-d10 (Surr)	*75*		*40 - 140*
Terphenyl-d14	*86*		*58 - 132*

Lab Chronicle

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Client Sample ID: ERH2692 (OWDFMW01)
Lab Sample ID: 580-111294-1
Date Collected: 03/10/22 10:05
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 17:10	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 13:59	TL1	FGS SEA

Client Sample ID: ERH2772 (Equipment Blank)
Lab Sample ID: 580-111294-2
Date Collected: 03/10/22 11:42
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 17:34	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 14:18	TL1	FGS SEA

Client Sample ID: ERH2743 (RHMW13-5)
Lab Sample ID: 580-111294-3
Date Collected: 03/10/22 09:15
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 17:58	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 14:38	TL1	FGS SEA

Client Sample ID: ERH2744 (RHMW13-5)
Lab Sample ID: 580-111294-4
Date Collected: 03/10/22 12:44
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 18:22	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 14:57	TL1	FGS SEA

Client Sample ID: ERH2745 (RHMW13-5)
Lab Sample ID: 580-111294-5
Date Collected: 03/10/22 11:05
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 18:45	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 15:16	TL1	FGS SEA

Lab Chronicle

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-111294-1
Project/Site: Red Hill NOI GW

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2236	01-19-25

Sample Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-111294-1	ERH2692 (OWDFMW01)	Water	03/10/22 10:05	03/11/22 09:40
580-111294-2	ERH2772 (Equipment Blank)	Water	03/10/22 11:42	03/11/22 09:40
580-111294-3	ERH2743 (RHMW13-5)	Water	03/10/22 09:15	03/11/22 09:40
580-111294-4	ERH2744 (RHMW13-5)	Water	03/10/22 12:44	03/11/22 09:40
580-111294-5	ERH2745 (RHMW13-5)	Water	03/10/22 11:05	03/11/22 09:40

580-111294 Chain of Custody

Chain of Custody Record

eurofins | Environment Testing America

Client Contact: Alethea Ramos (alternate: Margie Pascua)	Sampler: Nicolette Lawler	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: EURO202203-24
Company: AECOM	Phone: 916-835-6425	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Address: 1001 Bishop St. Suite 1600	PWSID:	Due Date Requested: see subcontract		Job #:
City: Honolulu		TAT Requested (days): Rush - ASAP		
State, Zip: Hawaii 96813		Compliance Project: Δ Yes Δ No		
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)		PO #:		
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)		WO #:		
Project Name: CV18F0126		Project #: 60571032		
Site: RH		SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ERH2692 (OWDFMW01)	3/10/22	10:05	G	W	N		X	2	
ERH2772 (Equipment Blank)	3/10/22	1142	G	W	N		X	2	

MN 3/10/22

MN 3/10/22

Therm. ID: A3 Cor: 1.9 ° Unc: 1.9 °
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No ___
Blue Ice: Wet, Dry, None
FedEx: P.O
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification

Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client, Disposal By Lab, Archive For ___ Months

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

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Maggie Nutter	Date/Time: 3/10/22 1330	Company: AECOM	Received by:	Date/Time: 3/11/22 0940	Company: EFHS		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

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

Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Sarah Welter	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: EURO202203-36NOI
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 478473-0578	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
Preservation Code:									
ERH2743 (RHMW13-5)	3/10/22	0915	G	W	N	N	x	2	
ERH2744 (RHMW13-5)	3/10/22	1244	G	W	N	N	x	2	
ERH2745 (RHMW13-5)	3/10/22	1105	G	W	N	N	x	2	

CV 3/10/22

CV 3/10/22

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Therm. ID: A3 Cor: 0.3° Unc: 0.3°
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ✓ No
Blue Ice (Wet) Dry, None
FedEx: P.O
UPS:
Lab Cour:
Other:

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

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

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

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Clara Lin	03/10/22 1434	AECOM	Received by:	3/11/22 0940	EFHS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-111294-1

Login Number: 111294
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins Seattle

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