

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-111565-1
Client Project/Site: Red Hill NOI GW
Revision: 1

For:
AECOM
1001 Bishop Street
Honolulu, Hawaii 96813

Attn: Alethea Ramos

M. Elaine Walker

Authorized for release by:
4/8/2022 12:00:23 PM

Elaine Walker, Project Manager II
(253)248-4972
M.Elaine.Walker@et.eurofinsus.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Job ID: 580-111565-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE
Client: AECOM
Project: Red Hill NOI GW
Report Number: 580-111565-1

REVISION 1: APRIL 8, 2022

The report was revised to add a "B" flag to Diethyl phthalate in the 8270E analysis for samples ERH2831 (OWDFMW05A) (580-111565-1), ERH2848 (RHMW2254-01 LF) (580-111565-2), ERH2854 (RHMW11-5) (580-111565-3), ERH2851 (SUMP ADIT 3) (580-111565-4) and ERH2845 (RHMW2254-01 B) (580-111565-5).

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 3/18/2022 10:20 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 -1.9° C and 2.9° 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 ERH2831 (OWDFMW05A) (580-111565-1), ERH2848 (RHMW2254-01 LF) (580-111565-2), ERH2854 (RHMW11-5) (580-111565-3), ERH2851 (SUMP ADIT 3) (580-111565-4) and ERH2845 (RHMW2254-01 B) (580-111565-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270E. The samples were prepared on 03/24/2022 and analyzed on 03/25/2022.

Diethyl phthalate was detected in method blank MB 580-384957/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed...

The continuing calibration verification (CCV) associated with batch 580-385127 recovered above the upper control limit for Diethyl phthalate. The samples associated with this CCV were below project action limits for the affected analytes; therefore, the data have been

Case Narrative

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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Laboratory: Eurofins Seattle (Continued)

reported with client approval.

The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-385127 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(s) is considered estimated.

The LCS associated with preparation batch 580-384957 and analytical batch 580-385127 recovered below control limits for analyte Hexachlorobenzene (52%, low limit 53%). The LCSD recovered below limits for Pyridine (15%, low limit 20%). Pyridine exceeded the RPD limit. The associated samples are ND for these analytes. Data has been reported per client approval.

Compound identifications confirmed for samples ERH2831 (OWDFMW05A) (580-111565-1), ERH2848 (RHMW2254-01 LF) (580-111565-2), ERH2854 (RHMW11-5) (580-111565-3), ERH2851 (SUMP ADIT 3) (580-111565-4) and ERH2845 (RHMW2254-01 B) (580-111565-5).

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 ERH2831 (OWDFMW05A) (580-111565-1), ERH2848 (RHMW2254-01 LF) (580-111565-2), ERH2854 (RHMW11-5) (580-111565-3), ERH2851 (SUMP ADIT 3) (580-111565-4) and ERH2845 (RHMW2254-01 B) (580-111565-5) were analyzed for semivolatile organic compounds (GC-MS - SIM) in accordance with 8270E SIM. The samples were prepared on 03/24/2022 and analyzed on 03/26/2022.

Compound identifications verified for analytical batch 385266, samples: ERH2831 (OWDFMW05A) (580-111565-1), ERH2848 (RHMW2254-01 LF) (580-111565-2), ERH2854 (RHMW11-5) (580-111565-3), ERH2851 (SUMP ADIT 3) (580-111565-4) and ERH2845 (RHMW2254-01 B) (580-111565-5).

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: 580-111565-1

Qualifiers

GC/MS Semi VOA

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

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2831 (OWDFMW05A)

Lab Sample ID: 580-111565-1

Date Collected: 03/17/22 09:20

Matrix: Water

Date Received: 03/18/22 10:20

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	0.10	0.019	ug/L		03/24/22 09:08	03/26/22 20:57	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/24/22 09:08	03/26/22 20:57	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/24/22 09:08	03/26/22 20:57	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/24/22 09:08	03/26/22 20:57	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/24/22 09:08	03/26/22 20:57	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 20:57	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/24/22 09:08	03/26/22 20:57	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/24/22 09:08	03/26/22 20:57	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 20:57	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 20:57	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/24/22 09:08	03/26/22 20:57	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/24/22 09:08	03/26/22 20:57	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/24/22 09:08	03/26/22 20:57	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/24/22 09:08	03/26/22 20:57	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 20:57	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 20:57	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 20:57	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/24/22 09:08	03/26/22 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	57		40 - 140	03/24/22 09:08	03/26/22 20:57	1
Fluoranthene-d10 (Surr)	83		40 - 140	03/24/22 09:08	03/26/22 20:57	1
Terphenyl-d14	89		58 - 132	03/24/22 09:08	03/26/22 20:57	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/24/22 09:08	03/25/22 19:35	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/24/22 09:08	03/25/22 19:35	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 19:35	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/24/22 09:08	03/25/22 19:35	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 19:35	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 19:35	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 19:35	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 19:35	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/24/22 09:08	03/25/22 19:35	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/24/22 09:08	03/25/22 19:35	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 19:35	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/24/22 09:08	03/25/22 19:35	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 19:35	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/24/22 09:08	03/25/22 19:35	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/24/22 09:08	03/25/22 19:35	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/24/22 09:08	03/25/22 19:35	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 19:35	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/24/22 09:08	03/25/22 19:35	1

Eurofins Seattle

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2831 (OWDFMW05A)

Lab Sample ID: 580-111565-1

Date Collected: 03/17/22 09:20

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/24/22 09:08	03/25/22 19:35	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/24/22 09:08	03/25/22 19:35	1
Diethyl phthalate	0.16	J Q B	1.0	0.15	ug/L		03/24/22 09:08	03/25/22 19:35	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 19:35	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/24/22 09:08	03/25/22 19:35	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/24/22 09:08	03/25/22 19:35	1
Hexachlorobenzene	0.090	U Q	0.60	0.040	ug/L		03/24/22 09:08	03/25/22 19:35	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/24/22 09:08	03/25/22 19:35	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/24/22 09:08	03/25/22 19:35	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 19:35	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 19:35	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 19:35	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 19:35	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/24/22 09:08	03/25/22 19:35	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/24/22 09:08	03/25/22 19:35	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 19:35	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 19:35	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/24/22 09:08	03/25/22 19:35	1
Phenol	0.60	U	1.0	0.36	ug/L		03/24/22 09:08	03/25/22 19:35	1
Pyrene	0.090	U M	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 19:35	1
Pyridine	3.2	U Q	10	1.0	ug/L		03/24/22 09:08	03/25/22 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		43 - 140	03/24/22 09:08	03/25/22 19:35	1
2-Fluorobiphenyl	64		44 - 119	03/24/22 09:08	03/25/22 19:35	1
2-Fluorophenol (Surr)	48		19 - 119	03/24/22 09:08	03/25/22 19:35	1
Nitrobenzene-d5 (Surr)	71		44 - 120	03/24/22 09:08	03/25/22 19:35	1
Phenol-d5 (Surr)	27		10 - 120	03/24/22 09:08	03/25/22 19:35	1
Terphenyl-d14	84		50 - 134	03/24/22 09:08	03/25/22 19:35	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2848 (RHMW2254-01 LF)

Lab Sample ID: 580-111565-2

Date Collected: 03/17/22 10:05

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.068	J	0.10	0.019	ug/L		03/24/22 09:08	03/26/22 21:16	1
2-Methylnaphthalene	0.078	J	0.20	0.039	ug/L		03/24/22 09:08	03/26/22 21:16	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/24/22 09:08	03/26/22 21:16	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/24/22 09:08	03/26/22 21:16	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/24/22 09:08	03/26/22 21:16	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 21:16	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/24/22 09:08	03/26/22 21:16	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/24/22 09:08	03/26/22 21:16	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 21:16	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 21:16	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/24/22 09:08	03/26/22 21:16	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/24/22 09:08	03/26/22 21:16	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/24/22 09:08	03/26/22 21:16	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/24/22 09:08	03/26/22 21:16	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 21:16	1
Naphthalene	0.055	J	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 21:16	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 21:16	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/24/22 09:08	03/26/22 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	59		40 - 140	03/24/22 09:08	03/26/22 21:16	1
Fluoranthene-d10 (Surr)	85		40 - 140	03/24/22 09:08	03/26/22 21:16	1
Terphenyl-d14	92		58 - 132	03/24/22 09:08	03/26/22 21:16	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/24/22 09:08	03/25/22 19:58	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/24/22 09:08	03/25/22 19:58	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 19:58	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/24/22 09:08	03/25/22 19:58	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 19:58	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 19:58	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 19:58	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 19:58	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/24/22 09:08	03/25/22 19:58	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/24/22 09:08	03/25/22 19:58	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 19:58	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/24/22 09:08	03/25/22 19:58	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 19:58	1
4-Nitrophenol	6.0	U M	10	1.7	ug/L		03/24/22 09:08	03/25/22 19:58	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/24/22 09:08	03/25/22 19:58	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/24/22 09:08	03/25/22 19:58	1
Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 19:58	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/24/22 09:08	03/25/22 19:58	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2848 (RHMW2254-01 LF)

Lab Sample ID: 580-111565-2

Date Collected: 03/17/22 10:05

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/24/22 09:08	03/25/22 19:58	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/24/22 09:08	03/25/22 19:58	1
Diethyl phthalate	0.15	J Q B	1.0	0.15	ug/L		03/24/22 09:08	03/25/22 19:58	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 19:58	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/24/22 09:08	03/25/22 19:58	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/24/22 09:08	03/25/22 19:58	1
Hexachlorobenzene	0.090	U Q	0.60	0.040	ug/L		03/24/22 09:08	03/25/22 19:58	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/24/22 09:08	03/25/22 19:58	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/24/22 09:08	03/25/22 19:58	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 19:58	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 19:58	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 19:58	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 19:58	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/24/22 09:08	03/25/22 19:58	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/24/22 09:08	03/25/22 19:58	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 19:58	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 19:58	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/24/22 09:08	03/25/22 19:58	1
Phenol	0.60	U	1.0	0.36	ug/L		03/24/22 09:08	03/25/22 19:58	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 19:58	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/24/22 09:08	03/25/22 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	59		43 - 140	03/24/22 09:08	03/25/22 19:58	1
2-Fluorobiphenyl	59		44 - 119	03/24/22 09:08	03/25/22 19:58	1
2-Fluorophenol (Surr)	51		19 - 119	03/24/22 09:08	03/25/22 19:58	1
Nitrobenzene-d5 (Surr)	74		44 - 120	03/24/22 09:08	03/25/22 19:58	1
Phenol-d5 (Surr)	30		10 - 120	03/24/22 09:08	03/25/22 19:58	1
Terphenyl-d14	89		50 - 134	03/24/22 09:08	03/25/22 19:58	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2854 (RHMW11-5)

Lab Sample ID: 580-111565-3

Date Collected: 03/17/22 08:40

Matrix: Water

Date Received: 03/18/22 10:20

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		03/24/22 09:08	03/26/22 21:38	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/24/22 09:08	03/26/22 21:38	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/24/22 09:08	03/26/22 21:38	1
Acenaphthylene	0.032	U M	0.050	0.0090	ug/L		03/24/22 09:08	03/26/22 21:38	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/24/22 09:08	03/26/22 21:38	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 21:38	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/24/22 09:08	03/26/22 21:38	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/24/22 09:08	03/26/22 21:38	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 21:38	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 21:38	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/24/22 09:08	03/26/22 21:38	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/24/22 09:08	03/26/22 21:38	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/24/22 09:08	03/26/22 21:38	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/24/22 09:08	03/26/22 21:38	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 21:38	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 21:38	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 21:38	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/24/22 09:08	03/26/22 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	58		40 - 140	03/24/22 09:08	03/26/22 21:38	1
Fluoranthene-d10 (Surr)	85		40 - 140	03/24/22 09:08	03/26/22 21:38	1
Terphenyl-d14	91		58 - 132	03/24/22 09:08	03/26/22 21:38	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	0.40	0.090	ug/L		03/24/22 09:08	03/25/22 20:21	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/24/22 09:08	03/25/22 20:21	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 20:21	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/24/22 09:08	03/25/22 20:21	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 20:21	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 20:21	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 20:21	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 20:21	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/24/22 09:08	03/25/22 20:21	1
4,6-Dinitro-2-methylphenol	1.2	U M	2.0	0.55	ug/L		03/24/22 09:08	03/25/22 20:21	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 20:21	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/24/22 09:08	03/25/22 20:21	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 20:21	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/24/22 09:08	03/25/22 20:21	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/24/22 09:08	03/25/22 20:21	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/24/22 09:08	03/25/22 20:21	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 20:21	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/24/22 09:08	03/25/22 20:21	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2854 (RHMW11-5)

Lab Sample ID: 580-111565-3

Date Collected: 03/17/22 08:40

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/24/22 09:08	03/25/22 20:21	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/24/22 09:08	03/25/22 20:21	1
Diethyl phthalate	0.15	J Q B	1.0	0.15	ug/L		03/24/22 09:08	03/25/22 20:21	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 20:21	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/24/22 09:08	03/25/22 20:21	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/24/22 09:08	03/25/22 20:21	1
Hexachlorobenzene	0.090	U Q	0.60	0.040	ug/L		03/24/22 09:08	03/25/22 20:21	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/24/22 09:08	03/25/22 20:21	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/24/22 09:08	03/25/22 20:21	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 20:21	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 20:21	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 20:21	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 20:21	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/24/22 09:08	03/25/22 20:21	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/24/22 09:08	03/25/22 20:21	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 20:21	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 20:21	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/24/22 09:08	03/25/22 20:21	1
Phenol	0.60	U	1.0	0.36	ug/L		03/24/22 09:08	03/25/22 20:21	1
Pyrene	0.090	U M	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 20:21	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/24/22 09:08	03/25/22 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		43 - 140	03/24/22 09:08	03/25/22 20:21	1
2-Fluorobiphenyl	72		44 - 119	03/24/22 09:08	03/25/22 20:21	1
2-Fluorophenol (Surr)	45		19 - 119	03/24/22 09:08	03/25/22 20:21	1
Nitrobenzene-d5 (Surr)	67		44 - 120	03/24/22 09:08	03/25/22 20:21	1
Phenol-d5 (Surr)	29		10 - 120	03/24/22 09:08	03/25/22 20:21	1
Terphenyl-d14	90		50 - 134	03/24/22 09:08	03/25/22 20:21	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2851 (SUMP ADIT 3)

Lab Sample ID: 580-111565-4

Date Collected: 03/17/22 11:05

Matrix: Water

Date Received: 03/18/22 10:20

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		03/24/22 09:08	03/26/22 21:57	1
2-Methylnaphthalene	0.081	U M	0.20	0.039	ug/L		03/24/22 09:08	03/26/22 21:57	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/24/22 09:08	03/26/22 21:57	1
Acenaphthylene	0.032	U M	0.051	0.0091	ug/L		03/24/22 09:08	03/26/22 21:57	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/24/22 09:08	03/26/22 21:57	1
Benzo[a]anthracene	0.032	U M	0.051	0.014	ug/L		03/24/22 09:08	03/26/22 21:57	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/24/22 09:08	03/26/22 21:57	1
Benzo[b]fluoranthene	0.032	U	0.051	0.011	ug/L		03/24/22 09:08	03/26/22 21:57	1
Benzo[g,h,i]perylene	0.032	U M	0.051	0.012	ug/L		03/24/22 09:08	03/26/22 21:57	1
Benzo[k]fluoranthene	0.032	U	0.051	0.012	ug/L		03/24/22 09:08	03/26/22 21:57	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/24/22 09:08	03/26/22 21:57	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/24/22 09:08	03/26/22 21:57	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/24/22 09:08	03/26/22 21:57	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/24/22 09:08	03/26/22 21:57	1
Indeno[1,2,3-cd]pyrene	0.032	U M	0.051	0.014	ug/L		03/24/22 09:08	03/26/22 21:57	1
Naphthalene	0.081	U	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 21:57	1
Phenanthrene	0.081	U	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 21:57	1
Pyrene	0.081	U	0.10	0.033	ug/L		03/24/22 09:08	03/26/22 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	56		40 - 140	03/24/22 09:08	03/26/22 21:57	1
Fluoranthene-d10 (Surr)	82		40 - 140	03/24/22 09:08	03/26/22 21:57	1
Terphenyl-d14	87		58 - 132	03/24/22 09:08	03/26/22 21:57	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/24/22 09:08	03/25/22 20:45	1
1,2-Dichlorobenzene	0.15	U	0.40	0.051	ug/L		03/24/22 09:08	03/25/22 20:45	1
1,3-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 20:45	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,4,6-Trichlorophenol	0.30	U	0.61	0.10	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,4-Dichlorophenol	0.51	U M	1.0	0.20	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,4-Dimethylphenol	0.51	U M	4.0	0.16	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,4-Dinitrophenol	3.2	U	5.1	1.6	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,4-Dinitrotoluene	0.30	U M	1.0	0.10	ug/L		03/24/22 09:08	03/25/22 20:45	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 20:45	1
2-Chloronaphthalene	0.15	U M	1.0	0.071	ug/L		03/24/22 09:08	03/25/22 20:45	1
2-Chlorophenol	0.15	U	1.0	0.051	ug/L		03/24/22 09:08	03/25/22 20:45	1
2-Nitrophenol	0.15	U M	1.0	0.071	ug/L		03/24/22 09:08	03/25/22 20:45	1
3,3'-Dichlorobenzidine	0.61	U	1.0	0.26	ug/L		03/24/22 09:08	03/25/22 20:45	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.56	ug/L		03/24/22 09:08	03/25/22 20:45	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/24/22 09:08	03/25/22 20:45	1
4-Chloro-3-methylphenol	0.30	U M	0.61	0.13	ug/L		03/24/22 09:08	03/25/22 20:45	1
4-Chlorophenyl phenyl ether	0.15	U M	0.61	0.051	ug/L		03/24/22 09:08	03/25/22 20:45	1
4-Nitrophenol	6.1	U M	10	1.7	ug/L		03/24/22 09:08	03/25/22 20:45	1
Azobenzene	0.15	U M	2.0	0.061	ug/L		03/24/22 09:08	03/25/22 20:45	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.061	ug/L		03/24/22 09:08	03/25/22 20:45	1
Bis(2-chloroethoxy)methane	0.15	U M	0.61	0.051	ug/L		03/24/22 09:08	03/25/22 20:45	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/24/22 09:08	03/25/22 20:45	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2851 (SUMP ADIT 3)

Lab Sample ID: 580-111565-4

Date Collected: 03/17/22 11:05

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.75	ug/L		03/24/22 09:08	03/25/22 20:45	1
Butyl benzyl phthalate	0.61	U	4.0	0.27	ug/L		03/24/22 09:08	03/25/22 20:45	1
Diethyl phthalate	0.21	J Q B	1.0	0.15	ug/L		03/24/22 09:08	03/25/22 20:45	1
Dimethyl phthalate	0.15	U M	0.61	0.061	ug/L		03/24/22 09:08	03/25/22 20:45	1
Di-n-butyl phthalate	0.51	U	3.0	0.19	ug/L		03/24/22 09:08	03/25/22 20:45	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/24/22 09:08	03/25/22 20:45	1
Hexachlorobenzene	0.091	U Q	0.61	0.040	ug/L		03/24/22 09:08	03/25/22 20:45	1
Hexachlorobutadiene	0.15	U	1.0	0.061	ug/L		03/24/22 09:08	03/25/22 20:45	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/24/22 09:08	03/25/22 20:45	1
Hexachloroethane	0.15	U	1.0	0.051	ug/L		03/24/22 09:08	03/25/22 20:45	1
Isophorone	0.30	U M	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 20:45	1
m+p-Cresol	0.30	U M	0.61	0.10	ug/L		03/24/22 09:08	03/25/22 20:45	1
Nitrobenzene	0.091	U M	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 20:45	1
N-Nitrosodimethylamine	0.61	U	2.0	0.26	ug/L		03/24/22 09:08	03/25/22 20:45	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.061	ug/L		03/24/22 09:08	03/25/22 20:45	1
N-Nitrosodiphenylamine	0.15	U M	1.0	0.071	ug/L		03/24/22 09:08	03/25/22 20:45	1
o-Cresol	0.15	U	0.61	0.051	ug/L		03/24/22 09:08	03/25/22 20:45	1
Pentachlorophenol	1.0	U	10	0.52	ug/L		03/24/22 09:08	03/25/22 20:45	1
Phenol	0.61	U M	1.0	0.36	ug/L		03/24/22 09:08	03/25/22 20:45	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 20:45	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/24/22 09:08	03/25/22 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		43 - 140	03/24/22 09:08	03/25/22 20:45	1
2-Fluorobiphenyl	58		44 - 119	03/24/22 09:08	03/25/22 20:45	1
2-Fluorophenol (Surr)	47		19 - 119	03/24/22 09:08	03/25/22 20:45	1
Nitrobenzene-d5 (Surr)	64		44 - 120	03/24/22 09:08	03/25/22 20:45	1
Phenol-d5 (Surr)	28		10 - 120	03/24/22 09:08	03/25/22 20:45	1
Terphenyl-d14	91		50 - 134	03/24/22 09:08	03/25/22 20:45	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2845 (RHMW2254-01 B)

Lab Sample ID: 580-111565-5

Date Collected: 03/17/22 09:00

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.038	J	0.10	0.019	ug/L		03/24/22 09:08	03/26/22 22:17	1
2-Methylnaphthalene	0.082	U M	0.20	0.040	ug/L		03/24/22 09:08	03/26/22 22:17	1
Acenaphthene	0.033	U M	0.10	0.014	ug/L		03/24/22 09:08	03/26/22 22:17	1
Acenaphthylene	0.033	U M	0.051	0.0092	ug/L		03/24/22 09:08	03/26/22 22:17	1
Anthracene	0.082	U M	0.10	0.022	ug/L		03/24/22 09:08	03/26/22 22:17	1
Benzo[a]anthracene	0.033	U M	0.051	0.014	ug/L		03/24/22 09:08	03/26/22 22:17	1
Benzo[a]pyrene	0.033	U M	0.10	0.011	ug/L		03/24/22 09:08	03/26/22 22:17	1
Benzo[b]fluoranthene	0.033	U	0.051	0.011	ug/L		03/24/22 09:08	03/26/22 22:17	1
Benzo[g,h,i]perylene	0.033	U M	0.051	0.012	ug/L		03/24/22 09:08	03/26/22 22:17	1
Benzo[k]fluoranthene	0.033	U	0.051	0.012	ug/L		03/24/22 09:08	03/26/22 22:17	1
Chrysene	0.033	U M	0.10	0.016	ug/L		03/24/22 09:08	03/26/22 22:17	1
Dibenz(a,h)anthracene	0.033	U	0.10	0.027	ug/L		03/24/22 09:08	03/26/22 22:17	1
Fluoranthene	0.033	U M	0.20	0.018	ug/L		03/24/22 09:08	03/26/22 22:17	1
Fluorene	0.033	U	0.10	0.017	ug/L		03/24/22 09:08	03/26/22 22:17	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.051	0.014	ug/L		03/24/22 09:08	03/26/22 22:17	1
Naphthalene	0.082	U M	0.10	0.032	ug/L		03/24/22 09:08	03/26/22 22:17	1
Phenanthrene	0.082	U M	0.10	0.032	ug/L		03/24/22 09:08	03/26/22 22:17	1
Pyrene	0.082	U	0.10	0.034	ug/L		03/24/22 09:08	03/26/22 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	56		40 - 140	03/24/22 09:08	03/26/22 22:17	1
Fluoranthene-d10 (Surr)	77		40 - 140	03/24/22 09:08	03/26/22 22:17	1
Terphenyl-d14	82		58 - 132	03/24/22 09:08	03/26/22 22:17	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	0.41	0.092	ug/L		03/24/22 09:08	03/25/22 21:08	1
1,2-Dichlorobenzene	0.15	U	0.41	0.051	ug/L		03/24/22 09:08	03/25/22 21:08	1
1,3-Dichlorobenzene	0.092	U	0.41	0.041	ug/L		03/24/22 09:08	03/25/22 21:08	1
1,4-Dichlorobenzene	0.092	U	0.41	0.041	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,4,5-Trichlorophenol	0.31	U	0.41	0.10	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,4,6-Trichlorophenol	0.31	U	0.61	0.10	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,4-Dichlorophenol	0.51	U	1.0	0.20	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,4-Dimethylphenol	0.51	U M	4.1	0.16	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,4-Dinitrophenol	3.3	U	5.1	1.6	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,4-Dinitrotoluene	0.31	U M	1.0	0.10	ug/L		03/24/22 09:08	03/25/22 21:08	1
2,6-Dinitrotoluene	0.31	U M	0.41	0.10	ug/L		03/24/22 09:08	03/25/22 21:08	1
2-Chloronaphthalene	0.15	U	1.0	0.072	ug/L		03/24/22 09:08	03/25/22 21:08	1
2-Chlorophenol	0.15	U	1.0	0.051	ug/L		03/24/22 09:08	03/25/22 21:08	1
2-Nitrophenol	0.15	U M	1.0	0.072	ug/L		03/24/22 09:08	03/25/22 21:08	1
3,3'-Dichlorobenzidine	0.61	U	1.0	0.27	ug/L		03/24/22 09:08	03/25/22 21:08	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.56	ug/L		03/24/22 09:08	03/25/22 21:08	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/24/22 09:08	03/25/22 21:08	1
4-Chloro-3-methylphenol	0.31	U M	0.61	0.13	ug/L		03/24/22 09:08	03/25/22 21:08	1
4-Chlorophenyl phenyl ether	0.15	U	0.61	0.051	ug/L		03/24/22 09:08	03/25/22 21:08	1
4-Nitrophenol	6.1	U M	10	1.7	ug/L		03/24/22 09:08	03/25/22 21:08	1
Azobenzene	0.15	U M	2.0	0.061	ug/L		03/24/22 09:08	03/25/22 21:08	1
bis (2-chloroisopropyl) ether	0.15	U M	0.26	0.061	ug/L		03/24/22 09:08	03/25/22 21:08	1
Bis(2-chloroethoxy)methane	0.15	U M	0.61	0.051	ug/L		03/24/22 09:08	03/25/22 21:08	1
Bis(2-chloroethyl)ether	0.092	U	0.10	0.031	ug/L		03/24/22 09:08	03/25/22 21:08	1

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Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2845 (RHMW2254-01 B)

Lab Sample ID: 580-111565-5

Date Collected: 03/17/22 09:00

Matrix: Water

Date Received: 03/18/22 10:20

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.4	J	3.1	0.76	ug/L		03/24/22 09:08	03/25/22 21:08	1
Butyl benzyl phthalate	0.61	U	4.1	0.28	ug/L		03/24/22 09:08	03/25/22 21:08	1
Diethyl phthalate	0.21	J Q B	1.0	0.15	ug/L		03/24/22 09:08	03/25/22 21:08	1
Dimethyl phthalate	0.15	U	0.61	0.061	ug/L		03/24/22 09:08	03/25/22 21:08	1
Di-n-butyl phthalate	0.23	J	3.1	0.19	ug/L		03/24/22 09:08	03/25/22 21:08	1
Di-n-octyl phthalate	0.31	U M	1.0	0.13	ug/L		03/24/22 09:08	03/25/22 21:08	1
Hexachlorobenzene	0.092	U Q	0.61	0.041	ug/L		03/24/22 09:08	03/25/22 21:08	1
Hexachlorobutadiene	0.15	U	1.0	0.061	ug/L		03/24/22 09:08	03/25/22 21:08	1
Hexachlorocyclopentadiene	0.31	U	1.0	0.14	ug/L		03/24/22 09:08	03/25/22 21:08	1
Hexachloroethane	0.15	U	1.0	0.051	ug/L		03/24/22 09:08	03/25/22 21:08	1
Isophorone	0.31	U M	0.41	0.10	ug/L		03/24/22 09:08	03/25/22 21:08	1
m+p-Cresol	0.31	U	0.61	0.10	ug/L		03/24/22 09:08	03/25/22 21:08	1
Nitrobenzene	0.092	U M	1.0	0.041	ug/L		03/24/22 09:08	03/25/22 21:08	1
N-Nitrosodimethylamine	0.61	U	2.0	0.27	ug/L		03/24/22 09:08	03/25/22 21:08	1
N-Nitrosodi-n-propylamine	0.092	U	0.41	0.061	ug/L		03/24/22 09:08	03/25/22 21:08	1
N-Nitrosodiphenylamine	0.15	U M	1.0	0.072	ug/L		03/24/22 09:08	03/25/22 21:08	1
o-Cresol	0.15	U M	0.61	0.051	ug/L		03/24/22 09:08	03/25/22 21:08	1
Pentachlorophenol	1.0	U	10	0.52	ug/L		03/24/22 09:08	03/25/22 21:08	1
Phenol	0.61	U	1.0	0.37	ug/L		03/24/22 09:08	03/25/22 21:08	1
Pyrene	0.092	U	1.0	0.041	ug/L		03/24/22 09:08	03/25/22 21:08	1
Pyridine	3.3	U Q	10	1.1	ug/L		03/24/22 09:08	03/25/22 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		43 - 140	03/24/22 09:08	03/25/22 21:08	1
2-Fluorobiphenyl	69		44 - 119	03/24/22 09:08	03/25/22 21:08	1
2-Fluorophenol (Surr)	50		19 - 119	03/24/22 09:08	03/25/22 21:08	1
Nitrobenzene-d5 (Surr)	69		44 - 120	03/24/22 09:08	03/25/22 21:08	1
Phenol-d5 (Surr)	31		10 - 120	03/24/22 09:08	03/25/22 21:08	1
Terphenyl-d14	89		50 - 134	03/24/22 09:08	03/25/22 21:08	1

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

Lab Sample ID: MB 580-384957/1-A
Matrix: Water
Analysis Batch: 385127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384957

Analyte	MB	MB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/24/22 09:08	03/25/22 15:17	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/24/22 09:08	03/25/22 15:17	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 15:17	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/24/22 09:08	03/25/22 15:17	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 15:17	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 15:17	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 15:17	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 15:17	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/24/22 09:08	03/25/22 15:17	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/24/22 09:08	03/25/22 15:17	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 15:17	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/24/22 09:08	03/25/22 15:17	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 15:17	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/24/22 09:08	03/25/22 15:17	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/24/22 09:08	03/25/22 15:17	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/24/22 09:08	03/25/22 15:17	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 15:17	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/24/22 09:08	03/25/22 15:17	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/24/22 09:08	03/25/22 15:17	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/24/22 09:08	03/25/22 15:17	1
Diethyl phthalate	0.277	J B	1.0	0.15	ug/L		03/24/22 09:08	03/25/22 15:17	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/24/22 09:08	03/25/22 15:17	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/24/22 09:08	03/25/22 15:17	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/24/22 09:08	03/25/22 15:17	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/24/22 09:08	03/25/22 15:17	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/24/22 09:08	03/25/22 15:17	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/24/22 09:08	03/25/22 15:17	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/24/22 09:08	03/25/22 15:17	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/24/22 09:08	03/25/22 15:17	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/24/22 09:08	03/25/22 15:17	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 15:17	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/24/22 09:08	03/25/22 15:17	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/24/22 09:08	03/25/22 15:17	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/24/22 09:08	03/25/22 15:17	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/24/22 09:08	03/25/22 15:17	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/24/22 09:08	03/25/22 15:17	1
Phenol	0.60	U	1.0	0.36	ug/L		03/24/22 09:08	03/25/22 15:17	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/24/22 09:08	03/25/22 15:17	1
Pyridine	3.2	U	10	1.1	ug/L		03/24/22 09:08	03/25/22 15:17	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	73		43 - 140	03/24/22 09:08	03/25/22 15:17	1

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QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

Lab Sample ID: MB 580-384957/1-A
Matrix: Water
Analysis Batch: 385127

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384957

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	71		44 - 119	03/24/22 09:08	03/25/22 15:17	1
2-Fluorophenol (Surr)	58		19 - 119	03/24/22 09:08	03/25/22 15:17	1
Nitrobenzene-d5 (Surr)	78		44 - 120	03/24/22 09:08	03/25/22 15:17	1
Phenol-d5 (Surr)	35		10 - 120	03/24/22 09:08	03/25/22 15:17	1
Terphenyl-d14	103		50 - 134	03/24/22 09:08	03/25/22 15:17	1

Lab Sample ID: LCS 580-384957/2-A
Matrix: Water
Analysis Batch: 385127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	2.00	0.901		ug/L		45	29 - 116
1,2-Dichlorobenzene	2.00	0.830		ug/L		42	32 - 111
1,3-Dichlorobenzene	2.00	0.790		ug/L		40	28 - 110
1,4-Dichlorobenzene	2.00	0.771		ug/L		39	29 - 112
2,4,5-Trichlorophenol	2.00	1.55		ug/L		77	53 - 123
2,4,6-Trichlorophenol	2.00	1.63		ug/L		82	50 - 125
2,4-Dichlorophenol	2.00	1.44		ug/L		72	47 - 121
2,4-Dimethylphenol	2.00	1.41	J	ug/L		70	31 - 124
2,4-Dinitrophenol	4.00	3.81	J M	ug/L		95	23 - 143
2,4-Dinitrotoluene	2.00	1.75	M	ug/L		88	57 - 128
2,6-Dinitrotoluene	2.00	1.69		ug/L		84	57 - 124
2-Chloronaphthalene	2.00	1.21		ug/L		61	40 - 116
2-Chlorophenol	2.00	1.37		ug/L		69	38 - 117
2-Nitrophenol	2.00	1.54		ug/L		77	47 - 123
3,3'-Dichlorobenzidine	4.00	2.72		ug/L		68	27 - 129
4,6-Dinitro-2-methylphenol	4.00	3.22		ug/L		81	44 - 137
4-Bromophenyl phenyl ether	2.00	1.53		ug/L		77	55 - 124
4-Chloro-3-methylphenol	2.00	1.65	M	ug/L		83	52 - 119
4-Chlorophenyl phenyl ether	2.00	1.48		ug/L		74	53 - 121
4-Nitrophenol	4.00	2.43	J	ug/L		61	35 - 145
Azobenzene	2.00	1.56	J	ug/L		78	61 - 116
bis (2-chloroisopropyl) ether	2.00	1.76		ug/L		88	37 - 130
Bis(2-chloroethoxy)methane	2.00	1.54		ug/L		77	48 - 120
Bis(2-chloroethyl)ether	2.00	1.39	M	ug/L		70	43 - 118
Bis(2-ethylhexyl) phthalate	2.00	2.08	J	ug/L		104	55 - 135
Butyl benzyl phthalate	2.00	1.99	J	ug/L		99	53 - 134
Diethyl phthalate	2.00	2.04		ug/L		102	56 - 125
Dimethyl phthalate	2.00	1.84		ug/L		92	45 - 127
Di-n-butyl phthalate	2.00	1.77	J	ug/L		88	59 - 127
Di-n-octyl phthalate	2.00	2.14		ug/L		107	51 - 140
Hexachlorobenzene	2.00	1.05	Q	ug/L		52	53 - 125
Hexachlorobutadiene	2.00	0.659	J	ug/L		33	22 - 124
Hexachlorocyclopentadiene	2.00	0.549	J	ug/L		27	20 - 125
Hexachloroethane	2.00	0.716	J	ug/L		36	21 - 115
Isophorone	2.00	1.45		ug/L		73	42 - 124
m+p-Cresol	2.00	1.20		ug/L		60	29 - 110
Nitrobenzene	2.00	1.35		ug/L		68	45 - 121

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QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

Lab Sample ID: LCS 580-384957/2-A
Matrix: Water
Analysis Batch: 385127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	2.00	1.05	J	ug/L		52	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.41		ug/L		70	49 - 119
N-Nitrosodiphenylamine	2.00	1.83		ug/L		91	51 - 123
o-Cresol	2.00	1.40		ug/L		70	30 - 117
Pentachlorophenol	4.00	3.31	J	ug/L		83	35 - 138
Phenol	2.00	0.636	J	ug/L		32	13 - 120
Pyrene	2.00	1.57		ug/L		79	57 - 126
Pyridine	4.00	1.13	J	ug/L		28	20 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		43 - 140
2-Fluorobiphenyl	73		44 - 119
2-Fluorophenol (Surr)	48		19 - 119
Nitrobenzene-d5 (Surr)	72		44 - 120
Phenol-d5 (Surr)	31		10 - 120
Terphenyl-d14	95		50 - 134

Lab Sample ID: LCSD 580-384957/3-A
Matrix: Water
Analysis Batch: 385127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.00	0.969		ug/L		48	29 - 116	7	20
1,2-Dichlorobenzene	2.00	0.975		ug/L		49	32 - 111	16	20
1,3-Dichlorobenzene	2.00	0.906		ug/L		45	28 - 110	14	20
1,4-Dichlorobenzene	2.00	0.919		ug/L		46	29 - 112	18	20
2,4,5-Trichlorophenol	2.00	1.61		ug/L		81	53 - 123	4	20
2,4,6-Trichlorophenol	2.00	1.73		ug/L		87	50 - 125	6	20
2,4-Dichlorophenol	2.00	1.53		ug/L		76	47 - 121	6	20
2,4-Dimethylphenol	2.00	1.68	J	ug/L		84	31 - 124	18	20
2,4-Dinitrophenol	4.00	4.10	J M	ug/L		103	23 - 143	7	20
2,4-Dinitrotoluene	2.00	2.04		ug/L		102	57 - 128	15	20
2,6-Dinitrotoluene	2.00	1.83		ug/L		92	57 - 124	8	20
2-Chloronaphthalene	2.00	1.39		ug/L		70	40 - 116	14	20
2-Chlorophenol	2.00	1.64		ug/L		82	38 - 117	18	20
2-Nitrophenol	2.00	1.62		ug/L		81	47 - 123	5	20
3,3'-Dichlorobenzidine	4.00	2.91		ug/L		73	27 - 129	7	20
4,6-Dinitro-2-methylphenol	4.00	3.54		ug/L		88	44 - 137	9	20
4-Bromophenyl phenyl ether	2.00	1.43		ug/L		71	55 - 124	7	20
4-Chloro-3-methylphenol	2.00	1.95		ug/L		98	52 - 119	17	20
4-Chlorophenyl phenyl ether	2.00	1.77		ug/L		88	53 - 121	18	20
4-Nitrophenol	4.00	2.58	J M	ug/L		64	35 - 145	6	20
Azobenzene	2.00	1.70	J	ug/L		85	61 - 116	9	20
bis (2-chloroisopropyl) ether	2.00	2.09		ug/L		105	37 - 130	17	20
Bis(2-chloroethoxy)methane	2.00	1.79		ug/L		90	48 - 120	15	20
Bis(2-chloroethyl)ether	2.00	1.64		ug/L		82	43 - 118	17	20
Bis(2-ethylhexyl) phthalate	2.00	2.45	J	ug/L		123	55 - 135	16	20
Butyl benzyl phthalate	2.00	2.25	J	ug/L		113	53 - 134	13	20

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QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

Lab Sample ID: LCSD 580-384957/3-A
Matrix: Water
Analysis Batch: 385127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Diethyl phthalate	2.00	2.32		ug/L		116	56 - 125	13	20	
Dimethyl phthalate	2.00	2.11		ug/L		105	45 - 127	13	20	
Di-n-butyl phthalate	2.00	1.96	J	ug/L		98	59 - 127	10	20	
Di-n-octyl phthalate	2.00	2.28		ug/L		114	51 - 140	6	20	
Hexachlorobenzene	2.00	1.07		ug/L		53	53 - 125	2	20	
Hexachlorobutadiene	2.00	0.735	J	ug/L		37	22 - 124	11	20	
Hexachlorocyclopentadiene	2.00	0.655	J	ug/L		33	20 - 125	18	20	
Hexachloroethane	2.00	0.845	J	ug/L		42	21 - 115	17	20	
Isophorone	2.00	1.72		ug/L		86	42 - 124	17	20	
m+p-Cresol	2.00	1.42		ug/L		71	29 - 110	17	20	
Nitrobenzene	2.00	1.50		ug/L		75	45 - 121	10	20	
N-Nitrosodimethylamine	2.00	1.27	J	ug/L		64	45 - 125	19	20	
N-Nitrosodi-n-propylamine	2.00	1.65		ug/L		82	49 - 119	16	20	
N-Nitrosodiphenylamine	2.00	1.94		ug/L		97	51 - 123	6	20	
o-Cresol	2.00	1.59		ug/L		80	30 - 117	13	20	
Pentachlorophenol	4.00	3.39	J	ug/L		85	35 - 138	2	20	
Phenol	2.00	0.754	J	ug/L		38	13 - 120	17	20	
Pyrene	2.00	1.69		ug/L		85	57 - 126	7	20	
Pyridine	4.00	3.2	U Q	ug/L		15	20 - 125	61	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	81		43 - 140
2-Fluorobiphenyl	69		44 - 119
2-Fluorophenol (Surr)	54		19 - 119
Nitrobenzene-d5 (Surr)	77		44 - 120
Phenol-d5 (Surr)	35		10 - 120
Terphenyl-d14	95		50 - 134

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

Lab Sample ID: MB 580-384957/1-A
Matrix: Water
Analysis Batch: 385266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384957

Analyte	MB MB		LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/24/22 09:08	03/26/22 16:58	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/24/22 09:08	03/26/22 16:58	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/24/22 09:08	03/26/22 16:58	1
Acenaphthylene	0.032	U M	0.050	0.0090	ug/L		03/24/22 09:08	03/26/22 16:58	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/24/22 09:08	03/26/22 16:58	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 16:58	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/24/22 09:08	03/26/22 16:58	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/24/22 09:08	03/26/22 16:58	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 16:58	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/24/22 09:08	03/26/22 16:58	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/24/22 09:08	03/26/22 16:58	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/24/22 09:08	03/26/22 16:58	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/24/22 09:08	03/26/22 16:58	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/24/22 09:08	03/26/22 16:58	1

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QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

Lab Sample ID: MB 580-384957/1-A
Matrix: Water
Analysis Batch: 385266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384957

Analyte	MB MB		LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/24/22 09:08	03/26/22 16:58	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 16:58	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/24/22 09:08	03/26/22 16:58	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/24/22 09:08	03/26/22 16:58	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-methylnaphthalene-d10	62		40 - 140	03/24/22 09:08	03/26/22 16:58	1
Fluoranthene-d10 (Surr)	86		40 - 140	03/24/22 09:08	03/26/22 16:58	1
Terphenyl-d14	94		58 - 132	03/24/22 09:08	03/26/22 16:58	1

Lab Sample ID: LCS 580-384957/2-A
Matrix: Water
Analysis Batch: 385266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	2.00	1.13		ug/L		57	41 - 115
2-Methylnaphthalene	2.00	1.07		ug/L		53	39 - 114
Acenaphthene	2.00	1.25		ug/L		63	48 - 114
Acenaphthylene	2.00	1.21		ug/L		61	35 - 121
Anthracene	2.00	1.43		ug/L		72	53 - 119
Benzo[a]anthracene	2.00	1.52		ug/L		76	59 - 120
Benzo[a]pyrene	2.00	1.38		ug/L		69	53 - 120
Benzo[b]fluoranthene	2.00	1.49		ug/L		75	53 - 126
Benzo[g,h,i]perylene	2.00	1.41		ug/L		71	44 - 128
Benzo[k]fluoranthene	2.00	1.58		ug/L		79	54 - 125
Chrysene	2.00	1.44		ug/L		72	57 - 120
Dibenz(a,h)anthracene	2.00	1.42	M	ug/L		71	44 - 131
Fluoranthene	2.00	1.61		ug/L		81	58 - 120
Fluorene	2.00	1.39		ug/L		70	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.45	M	ug/L		73	48 - 130
Naphthalene	2.00	1.10		ug/L		55	43 - 114
Phenanthrene	2.00	1.43		ug/L		72	53 - 115
Pyrene	2.00	1.58		ug/L		79	53 - 121

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-methylnaphthalene-d10	65		40 - 140
Fluoranthene-d10 (Surr)	84		40 - 140
Terphenyl-d14	91		58 - 132

Lab Sample ID: LCSD 580-384957/3-A
Matrix: Water
Analysis Batch: 385266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	
		Result	Qualifier					RPD	Limit
1-Methylnaphthalene	2.00	1.14		ug/L		57	41 - 115	0	20
2-Methylnaphthalene	2.00	1.07		ug/L		54	39 - 114	0	20
Acenaphthene	2.00	1.29		ug/L		65	48 - 114	3	20
Acenaphthylene	2.00	1.26		ug/L		63	35 - 121	4	20

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QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

Lab Sample ID: LCSD 580-384957/3-A
Matrix: Water
Analysis Batch: 385266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384957

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Anthracene	2.00	1.56		ug/L		78	53 - 119	8	20	
Benzo[a]anthracene	2.00	1.71		ug/L		85	59 - 120	12	20	
Benzo[a]pyrene	2.00	1.54		ug/L		77	53 - 120	11	20	
Benzo[b]fluoranthene	2.00	1.72		ug/L		86	53 - 126	14	20	
Benzo[g,h,i]perylene	2.00	1.59		ug/L		80	44 - 128	12	20	
Benzo[k]fluoranthene	2.00	1.70		ug/L		85	54 - 125	8	20	
Chrysene	2.00	1.63		ug/L		81	57 - 120	12	20	
Dibenz(a,h)anthracene	2.00	1.60	M	ug/L		80	44 - 131	11	20	
Fluoranthene	2.00	1.78		ug/L		89	58 - 120	10	20	
Fluorene	2.00	1.44		ug/L		72	50 - 118	4	20	
Indeno[1,2,3-cd]pyrene	2.00	1.59	M	ug/L		80	48 - 130	9	20	
Naphthalene	2.00	1.12		ug/L		56	43 - 114	2	20	
Phenanthrene	2.00	1.54		ug/L		77	53 - 115	8	20	
Pyrene	2.00	1.74		ug/L		87	53 - 121	10	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-methylnaphthalene-d10	60		40 - 140
Fluoranthene-d10 (Surr)	88		40 - 140
Terphenyl-d14	96		58 - 132

Lab Chronicle

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Client Sample ID: ERH2831 (OWDFMW05A)

Lab Sample ID: 580-111565-1

Date Collected: 03/17/22 09:20

Matrix: Water

Date Received: 03/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E		1	385127	03/25/22 19:35	TL1	FGS SEA
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	385266	03/26/22 20:57	W1T	FGS SEA

Client Sample ID: ERH2848 (RHMW2254-01 LF)

Lab Sample ID: 580-111565-2

Date Collected: 03/17/22 10:05

Matrix: Water

Date Received: 03/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E		1	385127	03/25/22 19:58	TL1	FGS SEA
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	385266	03/26/22 21:16	W1T	FGS SEA

Client Sample ID: ERH2854 (RHMW11-5)

Lab Sample ID: 580-111565-3

Date Collected: 03/17/22 08:40

Matrix: Water

Date Received: 03/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E		1	385127	03/25/22 20:21	TL1	FGS SEA
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	385266	03/26/22 21:38	W1T	FGS SEA

Client Sample ID: ERH2851 (SUMP ADIT 3)

Lab Sample ID: 580-111565-4

Date Collected: 03/17/22 11:05

Matrix: Water

Date Received: 03/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E		1	385127	03/25/22 20:45	TL1	FGS SEA
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	385266	03/26/22 21:57	W1T	FGS SEA

Client Sample ID: ERH2845 (RHMW2254-01 B)

Lab Sample ID: 580-111565-5

Date Collected: 03/17/22 09:00

Matrix: Water

Date Received: 03/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E		1	385127	03/25/22 21:08	TL1	FGS SEA
Total/NA	Prep	3510C			384957	03/24/22 09:08	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	385266	03/26/22 22:17	W1T	FGS SEA

Lab Chronicle

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Laboratory References:

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

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- 2
- 3
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Accreditation/Certification Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

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

- 1
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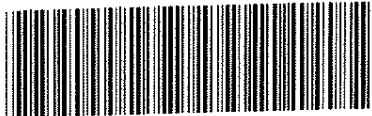
Sample Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111565-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-111565-1	ERH2831 (OWDFMW05A)	Water	03/17/22 09:20	03/18/22 10:20
580-111565-2	ERH2848 (RHMW2254-01 LF)	Water	03/17/22 10:05	03/18/22 10:20
580-111565-3	ERH2854 (RHMW11-5)	Water	03/17/22 08:40	03/18/22 10:20
580-111565-4	ERH2851 (SUMP ADIT 3)	Water	03/17/22 11:05	03/18/22 10:20
580-111565-5	ERH2845 (RHMW2254-01 B)	Water	03/17/22 09:00	03/18/22 10:20

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Chain of Custody Record

580-111565 Chain of Custody

Sampler: Ryan Shinmoto		Lab PM: Elaine Walker		Carrier Tracking No(s): FedEx		COC No: EURO202203-54NOI				
Phone: 808-393-6007		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin: Hawaii		Page: Page 1 of 1				
Client Contact: Alethea Ramos (alternate: Margie Pascua)				PWSID:		Job #:				
Company: AECOM				Analysis Requested						
Address: 1001 Bishop St. Suite 1600										
City: Honolulu				<div style="text-align: center; font-size: 2em; font-weight: bold;">MM 3/17/22</div>						
State, Zip: Hawaii 96813										
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)										
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)										
Project Name: CV18F0126										
Site: RH										
Due Date Requested: see subcontract										
TAT Requested (days): Rush - ASAP										
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No										
PO #:										
WO #:										
Project #:										
SSOW#:										
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)	SVOs (full suite) by 8270D (Nap, 1-2-Mathynap, PAH) by 8270DSIM	Total Number of Containers	Special Instructions/Note:
ERH2831 (OWDFMW05A)		3-17-22	0920	G	W	N	X		2	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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 EQUS EDD.		Special Instructions/QC Requirements: DOD QSM project.						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:				
Relinquished by: Ryan Shinmoto		Date/Time: 3/17/22 1400		Company: AECOM		Received by: Alex Edwards		Date/Time: 3/17/22 1400		Company: AECOM
Relinquished by: Maggie Nutter		Date/Time: 3/17/22 1420		Company:		Received by: MM		Date/Time: 3/18/22 2020		Company: EQUS
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:						

Chain of Custody Record

Client Information		Sampler: MM, NL, RT, TN		Lab PM: Elaine Walker		Carrier Tracking No(s): FedEx		COC No: EURO202203-59NO1			
Client Contact: Alethea Ramos (alternate: Margie Pascua)		Phone: 808.523.7494		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin: Hawaii		Page: Page 1 of 1			
Company: AECOM		PWSID:		Analysis Requested						Job #:	
Address: 1001 Bishop St. Suite 1600		Due Date Requested: see subcontract		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) SVCs (full suite) by 8270D (Nap, 1,2-Methylnap, PAH) by 8270DSIM		MN 3/17/22		Total Number of Containers		Preservation Codes:	
City: Honolulu		TAT Requested (days): Rush - ASAP								A - HCL	M - Hexane
State, Zip: Hawaii 96813		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								B - NaOH	N - None
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)		PO #:								C - Zn Acetate	O - AsNaO2
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)		WO #:								D - Nitric Acid	P - Na2O4S
Project Name: CV18F0126		Project #: 60571032		E - NaHSO4		Q - Na2SO3	R - Na2S2O3		S - H2SO4		
Site: RH		SSOW#:		F - MeOH		T - TSP Dodecahydrate	U - Acetone		V - MCAA		
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVCs (full suite) by 8270D (Nap, 1,2-Methylnap, PAH) by 8270DSIM	Total Number of Containers	Special Instructions/Note:	
ERH2848 (RHMW2254-01 LF)		03/17/22	1005	G	W	N	x		2		
Possible Hazard Identification		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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 FDD.		Special Instructions/QC Requirements: DOD QSM project.							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 03/17/2022 1258		Company: AECOM		Received by: <i>[Signature]</i>		Date/Time: 3/17/22 1258		Company: AECOM	
Relinquished by: Margie Nutter		Date/Time: 3/17/2022 1400		Company:		Received by: <i>[Signature]</i>		Date/Time: 3/18/22 1020		Company: EFGS	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

Chain of Custody Record

Client Information			Sampler: <u>Sarah Nelter</u>		Lab PM: <u>Elaine Walker</u>		Carrier Tracking No(s): <u>FedEx</u>		COC No: <u>EURO202203-61NOI</u>			
Client Contact: <u>Alethea Ramos (alternate: Margie Pascua)</u>			Phone: <u>478.973.0578</u>		E-Mail: <u>M.Elaine.Walker@EurofinsET.com</u>		State of Origin: <u>Hawaii</u>		Page: <u>Page 1 of 1</u>			
Company: <u>AECOM</u>			PWSID:		Analysis Requested <div style="position: absolute; top: 50px; left: 50px; border: 1px solid black; padding: 5px; font-size: 2em;"> <u>03/17/2022</u> </div>							
Address: <u>1001 Bishop St. Suite 1600</u>			Due Date Requested: <u>see subcontract</u>									
City: <u>Honolulu</u>			TAT Requested (days): <u>Rush - ASAP</u>									
State, Zip: <u>Hawaii 96813</u>			Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Phone: <u>808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)</u>			PO #:									
Email: <u>alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)</u>			WO #:		Total Number of Containers:							
Project Name: <u>CV18F0126</u>			Project #: <u>60571032</u>									
Site: <u>RH</u>			SSOW#:									
Sample Identification					Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		SVOcs (full suite) by 8270B (Nap, 1-2-Mathynap, PAH) by 8270BDSIM			
			Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)			
			Preservation Code:									
3 ERH2854 (RHMW11-5)			03/17/22		0840		G		W			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assess) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> 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 FDD. Special Instructions/QC Requirements: DOD QSM project.							
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:					
Relinquished by: <u>Clara Lin</u>			Date/Time: <u>03/17/22 1313</u>		Company: <u>AECOM</u>		Received by: <u>[Signature]</u>		Date/Time: <u>3/17/22 1313</u>		Company: <u>[Signature]</u>	
Relinquished by: <u>Margie Nelter</u>			Date/Time: <u>3/17/22 1400</u>		Company:		Received by: <u>[Signature]</u>		Date/Time: <u>3/17/22 1020</u>		Company: <u>[Signature]</u>	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

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Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-111565-1

Login Number: 111565

List Source: Eurofins Seattle

List Number: 1

Creator: Greene, Ashton R

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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

