MEMORANDUM

20 Apr 20

Packet No: 20-040520420

From: NAVFAC HAWAII, Environmental Services Laboratory, PRP411

To: Kyle Teraoka NAVFACHI OPBP6

Copy To: See COC

Subj: ☐ LABORATORY REPORTS
☐ MISCELLANEOUS CHARGES AND/OR CHAIN(S) OF CUSTODY SHEETS

Encl: Lab Number(s) 20-04052 , 20-04053

1. Thank you for using our laboratory to provide you with quality test results and/or services.

2. Please take a few minutes and check over the enclosures. If you believe anything is missing or in need of correction, let us know immediately and we will send you a correction as soon as possible.

3. Our goal is to better serve all our customers and we are concerned that you are receiving our services in the most efficient and timely manner possible. Please acknowledge receipt by signing below and returning this memo so we will know that you have received the enclosures. Also feel free to include any comments you have concerning our services. You may return this memo to us through the guardmail (NAVFAC HI PRP411) or fax it to 471-4534.

4. After the laboratory reports are archived, additional copies are available with an archival fee of $72.00/hr. If you have any questions, please contact us at 474-3704 or at the above fax number.

~~5. Laboratory certifies that the results meet all A2LA requirements unless noted in the "remarks" section of the report.~~ 4/10/20

Duane Morita, Acting Laboratory Manager

TOTAL NO. OF PAGES: 33

To: NAVFAC HI PRP4

☐ Receipt acknowledged. Enclosures appear complete and acceptable.

☐ Comments/discrepancies noted.

_____

_____

☐ Please fax corrections/amendments to Fax#: _____

or guardmail to: _____

Customer's Signature/Date: _____

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LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-18-12
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 03/14/2019

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110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: NAVFAC Hawaii

Attn: Duane Morita
Environmental Lab, Code PRJ411
Building 1423, Central Avenue
JBPHH, HI 96860

Report: 482026
Priority: Standard Written
Status: Final
PWS ID: HI0000360

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4596839	20-04052JBPHHRedHillTP001	RD200	03/23/20 08:55	Client	03/26/20 08:30

Report Summary

The sample submitted was unsuitable for analysis due to incorrect sample containers. The client was notified of the situation, and recollection of the sample was requested.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Blackburn at (574) 233-4777.

Kelly Blackburn ASM

Authorized Signature | Title | 04/06/2020 Date

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110 S. Hill Street
South Bend, IN 46617
T: 1.800.332.4345
F: 1.574.233.8207

Order # 366715

Batch # 482076

www.eatonanalytical.com

Shaded area for EEA use only

CHAIN OF CUSTODY RECORD

Page 1 of 1

REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
NAVFAC Hawaii			HI		

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER
NAVFAC Hawaii					GW

	LAB Number	COLLECTION DATE	TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	4596839	03/23/20	0930	X		20-04052 JBPHH Red Hill	TPH as Diesel (8015)		X		3	DW	RV
2						TP001 360-011							
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													

SS 3/26/2020

RUSH VERBAL

Vials show time of 0855 ss 3/26/2020

Will use earliest time given

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Duane Morita	24-Mar-2020	1500 AM PM	Fedex		AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM		3/26/2020	0830 AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one): ____ Iced: Wet/Blue ____ Ambient X 0.8 °C Upon Receipt____ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days)	0%	IV* = Immediate Verbal (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	IW* =Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

* Please call, expedited service not available for all testing

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

NAVFAC HAWAII ENVIRONMENTAL SERVICES LABORATORY CHAIN-OF-CUSTODY

Navy Facilities Engineering Command, Hawaii, Pearl Harbor, Hawaii Phone: (808) 474-3704, FAX: (808) 471-4534

JON: 178014602019	ESM:	POC: Kyle Teraoka	PH#: 473-3160	FAX#: 473-1545
Report To: Kyle Teraoka		Copy To: Dean Setiono		Copy To:
NAVFAC HI OPBP6		NAVFAC HI EV11		
kyle.teraoka@navy.mil		dean.setiono@navy.mil		

Sample ID	Sample Description	Matrix Code	Sampling Date	Sampling Time	Container Vol	Container Type	Analysis Required	Preservative / Res. Cl (ppm)	FOR LAB USE ONLY pH	FOR LAB USE ONLY Lab Number	FOR LAB USE ONLY Fxl.	FOR LAB USE ONLY Lctn.	Cond. A	Cond. U
Joint Base Pearl Harbor-Hickam (360-011)	Red Hill, TP001, Tap outside the CI2 Bldg	DW	3/23/20	0913	3x40ml	Glass	Volatiles (524.2)	Ascorbic, HCl		20-04052	1-3	C	✓	
					2x1l	Glass	Semi-Volatiles (525.2)	Sulfite, HCl 00			4-5	C	✓	
					3x40ml	Glass	TPH as Diesel (JP-8) (8015)				6-8	C	✓	
					125ml	Plastic	Lead (200.8)	-			9	C	✓	
Trip Blank		DW	~~20 Jan~~ 20 Mar 2020		2x40ml	Glass	Volatiles	Ascorbic, HCl		20-04053	1-2	C	✓	

Sampling Information	Transportation Information		Unused Sample Disposition	Sample Condition
Location Sampled: Red Hill	Transported/Stored in: Cooler with ice	Cooler Temp: 3.2 °C	[ ] Return to customer	[✓] Received with CoC
			[X] Dispose at 60 Days	[ ] Received with Custody Seals
Sampler(s): (Print names clearly) K. Miyaki	Air bill/Carrier ID#:		[ ] Archive for ____ Days	[ ] Seals Required [ ] Seals Intact
			[ ] Contact before disposal	[ ] Labels and CoC agree

Remarks: Any EPA approved drinking water method for organic chemicals, 40 CFR 141.24, may be used.
Laboratory must certified by the Hawaii State DOH Drinking Water Program.

Relinquished By: (Print clearly & Sign)	Date	Time	Received By: (Print clearly & Sign)	Date	Time
K. Miyaki K. Miyaki	3/23/20	1330	L. Lalung	3/23/20	1330

PH-NAVFAC HI 6280/5 (Rev. 04-05)

9

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LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

7

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-18-12
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 03/14/2019

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110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: NAVFAC Hawaii

Attn: Duane Morita
Environmental Lab, Code PRJ411
Building 1423, Central Avenue
JBPHH, HI 96860

Report: 482025
Priority: Rush Verbal
Status: Final
PWS ID: HI0000360

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4596835	20-04052-JBPHHRedHillTP001 360-011	524.2	03/23/20 08:55	Client	03/26/20 08:30
4596836	20-04052-JBPHHRedHillTP001 360-011	525.2	03/23/20 08:55	Client	03/26/20 08:30
4596837	20-04052-JBPHHRedHillTP001 360-011	200.8	03/23/20 08:55	Client	03/26/20 08:30

Report Summary

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Blackburn at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA.

Kelly Blackburn ASM

Authorized Signature | Title | 04/13/2020 Date

Client Name: NAVFAC Hawaii
Report #: 482025

Client Name: NAVFAC Hawaii

Report #: 482025

Sampling Point: 20-04052-JBPHHRedHillTP001 360-011

PWS ID: HI0000360

Metals

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7439-92-1	Lead	200 8	15 !	1.0	< 1.0	ug/L	---	03/30/20 14:33	4596837

Semi-volatile Organic Chemicals

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed	EEA ID #
83-32-9	Acenaphthene $	525 2	---	0.1	< 0 1	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
208-96-8	Acenaphthylene $	525 2	---	0.1	< 0 1	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
120-12-7	Anthracene $	525 2	---	0.1	< 0 1	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
50-32-8	Benzo(a)pyrene	525 2	0 2 *	0.02	< 0 02	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
103-23-1	Di(2-ethylhexyl)adipate	525 2	400 *	0 6	< 0 6	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
117-81-7	Di(2-ethylhexyl)phthalate	525 2	6 *	0 6	< 0 6	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
206-44-0	Fluoranthene $	525 2	---	0 1	< 0 1	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
85-01-8	Phenanthrene $	525 2	---	0.1	< 0 1	ug/L	04/03/20 08:00	04/09/20 15:25	4596836
129-00-0	Pyrene $	525 2	---	0.1	< 0 1	ug/L	04/03/20 08:00	04/09/20 15:25	4596836

Volatile Organic Chemicals

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
71-43-2	Benzene	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
56-23-5	Carbon tetrachloride	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
108-90-7	Chlorobenzene	524 2	100 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
95-50-1	1,2-Dichlorobenzene	524 2	600 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
106-46-7	1,4-Dichlorobenzene	524 2	75 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
107-06-2	1,2-Dichloroethane	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
75-35-4	1,1-Dichloroethylene	524 2	7 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
156-59-2	cis-1,2-Dichloroethylene	524 2	70 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
156-60-5	trans-1,2-Dichloroethylene	524 2	100 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
75-09-2	Dichloromethane	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
78-87-5	1,2-Dichloropropane	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
100-41-4	Ethylbenzene	524 2	700 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
91-20-3	Naphthalene	524 2	---	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
100-42-5	Styrene	524 2	100 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
127-18-4	Tetrachloroethylene	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
108-88-3	Toluene	524 2	1000 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
120-82-1	1,2,4-Trichlorobenzene	524 2	70 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
71-55-6	1,1,1-Trichloroethane	524 2	200 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
79-00-5	1,1,2-Trichloroethane	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
79-01-6	Trichloroethylene	524 2	5 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
75-01-4	Vinyl chloride	524 2	2 *	0 2	< 0 2	ug/L	---	03/30/20 13:01	4596835
95-47-6	1,2-Xylene	524 2	---	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
179601-23-1	1,3 + 1,4-Xylene	524 2	---	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835
1330-20-7	Xylenes, Total	524 2	10000 *	0 5	< 0 5	ug/L	---	03/30/20 13:01	4596835

$ The state of origin does not offer certification for this parameter.

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

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Order # 366715
Batch # 482025

www.eatonanalytical.com

Shaded area for EEA use only

CHAIN OF CUSTODY RECORD

Page 1 of 2 1/3-26-2020

REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
NAVFAC Hawaii		HI0000360	HI		

BILL TO:	COMPLIANCE MONITORING Yes	No	POPULATION SERVED	SOURCE WATER
NAVFAC Hawaii	X			GW

	LAB Number	COLLECTION DATE	TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	4596 835	03/23/20	0930	x		20-04052, JBPHH Red Hill	Volatiles (524.2) See attached list		X		3	DW	RV
2						TP001 360-011							
3	836		0855				Semivolatiles (525.2) See attached list		X		2	DW	RV
4													
5	837		0855				Lead (200.8)		X		1	DW	RV
6			per bottle			SS 3-26-2020							
7													
8													
9	838	03/20/20				20-04053	Volatiles (524.2)		X		2	DW	RV
10						Trip Blank							
11													
12													
13													
14													

RUSH VERBAL

Will use earliest time given

all bottles show time of 0855 SS 3-26-2020

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Duane Morita	24Mar2020	1500 PM	Fedex		
RELINQUISHED BY:(Signature)			RECEIVED BY:(Signature)		
RELINQUISHED BY:(Signature)			RECEIVED FOR LABORATORY BY: [signature]	3-26-2020	0830 AM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

Client Provided Sample Container > LTB

CONDITIONS UPON RECEIPT (check one): X Iced: Wet/Blue ___ Ambient 0.8 °C Upon Receipt___ N/A

MATRIX CODES:
DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written (15 working days)	0%	IV* = Immediate Verbal (3 working days)	100%
RV* = Rush Verbal (5 working days)	50%	IW* = Immediate Written (3 working days)	125%
RW* = Rush Written (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

* Please call, expedited service not available for all testing

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

06-LO-F0435 Issue 4.0 Effective Date: 2014-05-01

Sample analysis will be provided according to the standard EEA/Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agree to in writing by EEA.

NAVFAC HAWAII ENVIRONMENTAL SERVICES LABORATORY CHAIN-OF-CUSTODY

Navy Facilities Engineering Command, Hawaii, Pearl Harbor, Hawaii Phone: (808) 474-3704, FAX: (808) 471-4534

JON: 178014602019	ESM:	POC: Kyle Teraoka	PH#: 473-3160	FAX#: 473-1545
Report To: Kyle Teraoka		Copy To: Dean Setiono	Copy To:	
NAVFAC HI OPBP6		NAVFAC HI EV11		
kyle.teraoka@navy.mil		dean.setiono@navy.mil		

Sample ID	Sample Description	Matrix Code	Sampling Date	Sampling Time	Container Vol	Container Type	Analysis Required	Preservative / Res. Cl (ppm)	FOR LAB USE ONLY pH	Lab Number	Ext.	Lctn.	Cond. A	Cond. U
Joint Base Pearl Harbor-Hickam (360-011)	Red Hill, TP001, Tap outside the C12 Bldg	DW	3/23/20	0913	3x40ml	Glass	Volatiles (524.2)	Ascorbic, HCl		20-04052	1-3	C	✓	
					2x1l	Glass	Semi-Volatiles (525.2)	Sulfite, HCl ~ 60			4-5	C		
					3x40ml	Glass	TPH as Diesel (DF-8) (8015)				6-8	C		
					125ml	Plastic	Lead (200.8)				9	C		
Trip Blank		DW	~~Jan~~ 20 Mar 2020		2x40ml	Glass	Volatiles	Ascorbic, HCl		20-04053	1-2	C	✓	

Sampling Information	Transportation Information		Unused Sample Disposition	Sample Condition
Location Sampled: Red Hill	Transported/Stored in: Cooler with ice	Cooler Temp: 3.2 °C	[ ] Return to customer	[✓] Received with CoC
			[X] Dispose at 60 Days	[ ] Received with Custody Seals
Sampler(s): (Print names clearly) K. Miyaki	Air bill/Carrier ID#:		[ ] Archive for ____ Days	[ ] Seals Required [ ] Seals Intact
			[ ] Contact before disposal	[ ] Labels and CoC agree

Remarks: Any EPA approved drinking water method for organic chemicals, 40 CFR 141.24, may be used.
Laboratory must certified by the Hawaii State DOH Drinking Water Program.

Relinquished By: (Print clearly & Sign)	Date	Time	Received By: (Print clearly & Sign)	Date	Time
K. Miyaki K. Miyaki	3/23/20	1330	L. Lalau	3/23/20	1330

Page 8 of 20

PH-NAVFAC HI 6280/5 (Rev. 04-05)

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Run Log
Run ID: **273126** Method: **200.8**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
QCS	4598667		RW	DS	03/30/2020 14:03	
ICV	4598668		RW	DS	03/30/2020 14:07	
ICB	4598669		RW	DS	03/30/2020 14:10	
LRB	4598671		RW	DS	03/30/2020 14:16	
LFB	4598673		RW	DS	03/30/2020 14:23	
FS	4596837	20-04052-JBPHHRedHillTP001	DW	DS	03/30/2020 14:33	
CCV	4598676		RW	DS	03/30/2020 15:05	
CCB	4598677		RW	DS	03/30/2020 15:08	
CCV	4598678		RW	DS	03/30/2020 15:54	
CCB	4598679		RW	DS	03/30/2020 15:57	

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
QCS	IS-Bismuth	200.8	N/A	---		1.0058	1.0	N/A	101	60 - 125	---	---	1.0	---	03/30/2020 14:03	4598667
QCS	IS-Indium	200.8	N/A	---		0.9915	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 14:03	4598667
QCS	Lead	200.8	1.0	---		49.8070	50.0	ug/L	100	90 - 110	---	---	1.0	---	03/30/2020 14:03	4598667
QCS	IS-Scandium	200.8	N/A	---		0.9785	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:03	4598667
QCS	IS-Terbium	200.8	N/A	---		0.9984	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:03	4598667
QCS	IS-Yttrium	200.8	N/A	---		0.9810	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:03	4598667
ICV	IS-Bismuth	200.8	N/A	---		1.0080	1.0	N/A	101	60 - 125	---	---	1.0	---	03/30/2020 14:07	4598668
ICV	IS-Indium	200.8	N/A	---		0.9864	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 14:07	4598668
ICV	Lead	200.8	1.0	---		48.9820	50.0	ug/L	98	90 - 110	---	---	1.0	---	03/30/2020 14:07	4598668
ICV	IS-Scandium	200.8	N/A	---		0.9742	1.0	N/A	97	60 - 125	---	---	1.0	---	03/30/2020 14:07	4598668
ICV	IS-Terbium	200.8	N/A	---		1.0009	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:07	4598668
ICV	IS-Yttrium	200.8	N/A	---		0.9887	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 14:07	4598668
ICB	IS-Bismuth	200.8	N/A	---		1.0085	1.0	N/A	101	60 - 125	---	---	1.0	---	03/30/2020 14:10	4598669
ICB	IS-Indium	200.8	N/A	---		0.9976	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:10	4598669
ICB	Lead	200.8	1.0	---	<	1.0		ug/L	---	---	---	---	1.0	---	03/30/2020 14:10	4598669
ICB	IS-Scandium	200.8	N/A	---		0.9886	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 14:10	4598669
ICB	IS-Terbium	200.8	N/A	---		1.0032	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:10	4598669
ICB	IS-Yttrium	200.8	N/A	---		0.9869	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 14:10	4598669
LRB	IS-Bismuth	200.8	N/A	---		0.9979	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:16	4598671
LRB	IS-Indium	200.8	N/A	---		0.9815	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:16	4598671
LRB	Lead	200.8	1.0	---	<	1.0		ug/L	---	---	---	---	1.0	---	03/30/2020 14:16	4598671
LRB	IS-Scandium	200.8	N/A	---		0.9714	1.0	N/A	97	60 - 125	---	---	1.0	---	03/30/2020 14:16	4598671
LRB	IS-Terbium	200.8	N/A	---		0.9977	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:16	4598671
LRB	IS-Yttrium	200.8	N/A	---		0.9769	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:16	4598671
LFB	IS-Bismuth	200.8	N/A	---		0.9836	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:23	4598673
LFB	IS-Indium	200.8	N/A	---		0.9610	1.0	N/A	96	60 - 125	---	---	1.0	---	03/30/2020 14:23	4598673
LFB	Lead	200.8	1.0	---		48.3110	50.0	ug/L	97	85 - 115	---	---	1.0	---	03/30/2020 14:23	4598673
LFB	IS-Scandium	200.8	N/A	---		0.9390	1.0	N/A	94	60 - 125	---	---	1.0	---	03/30/2020 14:23	4598673
LFB	IS-Terbium	200.8	N/A	---		0.9653	1.0	N/A	97	60 - 125	---	---	1.0	---	03/30/2020 14:23	4598673
LFB	IS-Yttrium	200.8	N/A	---		0.9483	1.0	N/A	95	60 - 125	---	---	1.0	---	03/30/2020 14:23	4598673
FS	IS-Bismuth	200.8	N/A	20-04052-JBPHHRedHillTP001		0.9788	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:33	4598837
FS	IS-Indium	200.8	N/A	20-04052-JBPHHRedHillTP001		0.9684	1.0	N/A	97	60 - 125	---	---	1.0	---	03/30/2020 14:33	4598837
FS	Lead	200.8	1.0	20-04052-JBPHHRedHillTP001	<	1.0		ug/L	---	---	---	---	1.0	---	03/30/2020 14:33	4598837
FS	IS-Scandium	200.8	N/A	20-04052-JBPHHRedHillTP001		0.9776	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 14:33	4598837
FS	IS-Terbium	200.8	N/A	20-04052-JBPHHRedHillTP001		0.9991	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 14:33	4598837
FS	IS-Yttrium	200.8	N/A	20-04052-JBPHHRedHillTP001		0.9611	1.0	N/A	96	60 - 125	---	---	1.0	---	03/30/2020 14:33	4598837
CCV	IS-Bismuth	200.8	N/A	---		1.0298	1.0	N/A	103	60 - 125	---	---	1.0	---	03/30/2020 15:05	4598676
CCV	IS-Indium	200.8	N/A	---		1.0309	1.0	N/A	103	60 - 125	---	---	1.0	---	03/30/2020 15:05	4598676
CCV	Lead	200.8	1.0	---		48.0900	50.0	ug/L	96	85 - 115	---	---	1.0	---	03/30/2020 15:05	4598676
CCV	IS-Scandium	200.8	N/A	---		1.0347	1.0	N/A	103	60 - 125	---	---	1.0	---	03/30/2020 15:05	4598676

QC Summary Report (cont.)																
Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCV	IS-Terbium	200.8	N/A	---		1.0309	1.0	N/A	103	60 - 125	---	---	1.0	---	03/30/2020 15:05	4598676
CCV	IS-Yttrium	200.8	N/A	---		1.0237	1.0	N/A	102	60 - 125	---	---	1.0	---	03/30/2020 15:05	4598676
CCB	IS-Bismuth	200.8	N/A	---		0.9944	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 15:08	4598677
CCB	IS-Indium	200.8	N/A	---		0.9924	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 15:08	4598677
CCB	Lead	200.8	1.0	---	<	1.0		ug/L	---	---	---	---	1.0	---	03/30/2020 15:08	4598677
CCB	IS-Scandium	200.8	N/A	---		0.9974	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 15:08	4598677
CCB	IS-Terbium	200.8	N/A	---		0.9920	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 15:08	4598677
CCB	IS-Yttrium	200.8	N/A	---		0.9891	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 15:08	4598677
CCV	IS-Bismuth	200.8	N/A	---		1.0096	1.0	N/A	101	60 - 125	---	---	1.0	---	03/30/2020 15:54	4598678
CCV	IS-Indium	200.8	N/A	---		0.9984	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 15:54	4598678
CCV	Lead	200.8	1.0	---		49.1030	50.0	ug/L	98	85 - 115	---	---	1.0	---	03/30/2020 15:54	4598678
CCV	IS-Scandium	200.8	N/A	---		0.9848	1.0	N/A	98	60 - 125	---	---	1.0	---	03/30/2020 15:54	4598678
CCV	IS-Terbium	200.8	N/A	---		1.0029	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 15:54	4598678
CCV	IS-Yttrium	200.8	N/A	---		0.9878	1.0	N/A	99	60 - 125	---	---	1.0	---	03/30/2020 15:54	4598678
CCB	IS-Bismuth	200.8	N/A	---		1.0092	1.0	N/A	101	60 - 125	---	---	1.0	---	03/30/2020 15:57	4598679
CCB	IS-Indium	200.8	N/A	---		1.0011	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 15:57	4598679
CCB	Lead	200.8	1.0	---	<	1.0		ug/L	---	---	---	---	1.0	---	03/30/2020 15:57	4598679
CCB	IS-Scandium	200.8	N/A	---		0.9964	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 15:57	4598679
CCB	IS-Terbium	200.8	N/A	---		1.0148	1.0	N/A	101	60 - 125	---	---	1.0	---	03/30/2020 15:57	4598679
CCB	IS-Yttrium	200.8	N/A	---		0.9954	1.0	N/A	100	60 - 125	---	---	1.0	---	03/30/2020 15:57	4598679

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Run Log
Run ID: **273203** Method: **524.2**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCC	4598188		RW	PW2	03/30/2020 10:26	524 2-032820-PW2.mth
CCL	4598192		RW	PW2	03/30/2020 11:12	524 2-032820-PW2.mth
LMB	4598193		RW	PW2	03/30/2020 11:54	524 2-032820-PW2.mth
LTB	4596838	20-04053 Trip Blank	RW	PW2	03/30/2020 12:28	524 2-032820-PW2.mth
FS	4596835	20-04052-JBPHHRedHillTP001	DW	PW2	03/30/2020 13:01	524 2-032820-PW2.mth
CCC	4598189		RW	PW2	03/30/2020 19:43	524 2-032820-PW2.mth
LMB	4598194		RW	PW2	03/30/2020 21:23	524 2-032820-PW2.mth

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCC	IS-1,4-Difluorobenzene	524.2	N/A	---		104390	104390	ug/L	100	50 - 150	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	SS-Bromofluorobenzene	524.2	N/A	---		4.9010	5.0	ug/L	98	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	SS-1,2-Dichlorobenzene-d4	524.2	N/A	---		9.9830	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	SS-1,2-Dichloroethane-d4	524.2	N/A	---		10.1150	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	SS-Toluene-d8	524.2	N/A	---		9.9870	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Benzene	524.2	0.5	---		5.1660	5.0	ug/L	103	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Carbon tetrachloride	524.2	0.5	---		5.4190	5.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Chlorobenzene	524.2	0.5	---		5.1200	5.0	ug/L	102	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,2-Dichlorobenzene	524.2	0.5	---		5.0380	5.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,4-Dichlorobenzene	524.2	0.5	---		5.1820	5.0	ug/L	104	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,2-Dichloroethane	524.2	0.5	---		5.1420	5.0	ug/L	103	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,1-Dichloroethylene	524.2	0.5	---		5.3780	5.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	cis-1,2-Dichloroethylene	524.2	0.5	---		5.3860	5.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	trans-1,2-Dichloroethylene	524.2	0.5	---		5.4060	5.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Dichloromethane	524.2	0.5	---		4.8350	5.0	ug/L	97	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,2-Dichloropropane	524.2	0.5	---		5.3930	5.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Ethylbenzene	524.2	0.5	---		5.1840	5.0	ug/L	104	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Naphthalene	524.2	0.5	---		4.6290	5.0	ug/L	93	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Styrene	524.2	0.5	---		5.1390	5.0	ug/L	103	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Tetrachloroethylene	524.2	0.5	---		5.2190	5.0	ug/L	104	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Toluene	524.2	0.5	---		5.2370	5.0	ug/L	105	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,2,4-Trichlorobenzene	524.2	0.5	---		5.1470	5.0	ug/L	103	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,1,1-Trichloroethane	524.2	0.5	---		5.3220	5.0	ug/L	106	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,1,2-Trichloroethane	524.2	0.5	---		5.2200	5.0	ug/L	104	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Trichloroethylene	524.2	0.5	---		5.4140	5.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	Vinyl chloride	524.2	0.2	---		5.7610	5.0	ug/L	115	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,2-Xylene	524.2	0.5	---		5.0570	5.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCC	1,3 + 1,4-Xylene	524.2	0.5	---		10.5120	10.0	ug/L	105	70 - 130	---	---	1.0	---	03/30/2020 10:26	4598188
CCL	IS-1,4-Difluorobenzene	524.2	N/A	---		103622	103622	ug/L	100	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	SS-Bromofluorobenzene	524.2	N/A	---		4.9790	5.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	SS-1,2-Dichlorobenzene-d4	524.2	N/A	---		9.6600	10.0	ug/L	97	70 - 130	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	SS-1,2-Dichloroethane-d4	524.2	N/A	---		9.9870	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	SS-Toluene-d8	524.2	N/A	---		9.8730	10.0	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Benzene	524.2	0.5	---		0.5720	0.5	ug/L	114	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Carbon tetrachloride	524.2	0.5	---		0.4780	0.5	ug/L	96	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Chlorobenzene	524.2	0.5	---		0.6840	0.5	ug/L	137	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,2-Dichlorobenzene	524.2	0.5	---		0.6280	0.5	ug/L	126	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,4-Dichlorobenzene	524.2	0.5	---		0.6270	0.5	ug/L	125	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,2-Dichloroethane	524.2	0.5	---		0.5190	0.5	ug/L	104	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,1-Dichloroethylene	524.2	0.5	---		0.5510	0.5	ug/L	110	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCL	cis-1,2-Dichloroethylene	524.2	0.5	---		0.5920	0.5	ug/L	118	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	trans-1,2-Dichloroethylene	524.2	0.5	---		0.5450	0.5	ug/L	109	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Dichloromethane	524.2	0.5	---		0.4860	0.5	ug/L	97	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,2-Dichloropropane	524.2	0.5	---		0.5090	0.5	ug/L	102	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Ethylbenzene	524.2	0.5	---		0.5870	0.5	ug/L	117	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Styrene	524.2	0.5	---		0.6050	0.5	ug/L	121	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Tetrachloroethylene	524.2	0.5	---		0.5410	0.5	ug/L	108	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Toluene	524.2	0.5	---		0.6050	0.5	ug/L	121	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,2,4-Trichlorobenzene	524.2	0.5	---		0.6140	0.5	ug/L	123	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,1,1-Trichloroethane	524.2	0.5	---		0.4950	0.5	ug/L	99	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,1,2-Trichloroethane	524.2	0.5	---		0.5210	0.5	ug/L	104	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Trichloroethylene	524.2	0.5	---		0.5520	0.5	ug/L	110	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	Vinyl chloride	524.2	0.2	---		0.5830	0.5	ug/L	117	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,2-Xylene	524.2	0.5	---		0.5780	0.5	ug/L	116	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
CCL	1,3 + 1,4-Xylene	524.2	0.5	---		1.1650	1.0	ug/L	116	50 - 150	---	---	1.0	---	03/30/2020 11:12	4598192
LMB	IS-1,4-Difluorobenzene	524.2	N/A	---		102357	103822	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	SS-Bromofluorobenzene	524.2	N/A	---		4.8930	5.0	ug/L	98	70 - 130	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	SS-1,2-Dichlorobenzene-d4	524.2	N/A	---		9.9480	10.0	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	SS-1,2-Dichloroethane-d4	524.2	N/A	---		9.9840	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	SS-Toluene-d8	524.2	N/A	---		9.9890	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Benzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Carbon tetrachloride	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Chlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,2-Dichlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,4-Dichlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,2-Dichloroethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,1-Dichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	cis-1,2-Dichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	trans-1,2-Dichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Dichloromethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,2-Dichloropropane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Ethylbenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Naphthalene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Styrene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Tetrachloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Toluene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,2,4-Trichlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,1,1-Trichloroethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,1,2-Trichloroethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Trichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	Vinyl chloride	524.2	0.2	---	<	0.2		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
LMB	1,2-Xylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LMB	1,3 + 1,4-Xylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 11:54	4598193
LTB	IS-1,4-Difluorobenzene	524.2	N/A	20-04053 Trip Blank		97503	103622	ug/L	94	70 - 130	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	SS-Bromofluorobenzene	524.2	N/A	20-04053 Trip Blank		5.0050	5.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	SS-1,2-Dichlorobenzene-d4	524.2	N/A	20-04053 Trip Blank		9.9890	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	SS-1,2-Dichloroethane-d4	524.2	N/A	20-04053 Trip Blank		10.3550	10.0	ug/L	104	70 - 130	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	SS-Toluene-d8	524.2	N/A	20-04053 Trip Blank		10.1210	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Benzene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Carbon tetrachloride	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Chlorobenzene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,2-Dichlorobenzene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,4-Dichlorobenzene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,2-Dichloroethane	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,1-Dichloroethylene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	cis-1,2-Dichloroethylene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	trans-1,2-Dichloroethylene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Dichloromethane	524.2	0.5	20-04053 Trip Blank		1.7		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,2-Dichloropropane	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Ethylbenzene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Naphthalene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Styrene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Tetrachloroethylene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Toluene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,2,4-Trichlorobenzene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,1,1-Trichloroethane	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,1,2-Trichloroethane	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Vinyl chloride	524.2	0.2	20-04053 Trip Blank	<	0.2		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,2-Xylene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	1,3 + 1,4-Xylene	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
LTB	Xylenes, Total	524.2	0.5	20-04053 Trip Blank	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 12:28	4596838
FS	IS-1,4-Difluorobenzene	524.2	N/A	20-04052-JBPHHRedHillTP001		100660	103622	ug/L	97	70 - 130	---	---	1.0	---	03/30/2020 13:01	4596835
FS	SS-Bromofluorobenzene	524.2	N/A	20-04052-JBPHHRedHillTP001		4.8260	5.0	ug/L	97	70 - 130	---	---	1.0	---	03/30/2020 13:01	4596835
FS	SS-1,2-Dichlorobenzene-d4	524.2	N/A	20-04052-JBPHHRedHillTP001		9.8260	10.0	ug/L	98	70 - 130	---	---	1.0	---	03/30/2020 13:01	4596835
FS	SS-1,2-Dichloroethane-d4	524.2	N/A	20-04052-JBPHHRedHillTP001		10.0260	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 13:01	4596835
FS	SS-Toluene-d8	524.2	N/A	20-04052-JBPHHRedHillTP001		9.7200	10.0	ug/L	97	70 - 130	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Benzene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Carbon tetrachloride	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Chlorobenzene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,2-Dichlorobenzene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,4-Dichlorobenzene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,2-Dichloroethane	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	1,1-Dichloroethylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	cis-1,2-Dichloroethylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	trans-1,2-Dichloroethylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Dichloromethane	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,2-Dichloropropane	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Ethylbenzene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Naphthalene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Styrene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Tetrachloroethylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Toluene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,2,4-Trichlorobenzene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,1,1-Trichloroethane	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,1,2-Trichloroethane	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Trichloroethylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Vinyl chloride	524.2	0.2	20-04052-JBPHHRedHillTP001	<	0.2		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,2-Xylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	1,3 + 1,4-Xylene	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
FS	Xylenes, Total	524.2	0.5	20-04052-JBPHHRedHillTP001	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 13:01	4596835
CCC	IS-1,4-Difluorobenzene	524.2	N/A	---		90940	90940	ug/L	100	50 - 150	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	SS-Bromofluorobenzene	524.2	N/A	---		5.0300	5.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	SS-1,2-Dichlorobenzene-d4	524.2	N/A	---		10.3860	10.0	ug/L	104	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	SS-1,2-Dichloroethane-d4	524.2	N/A	---		10.1420	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	SS-Toluene-d8	524.2	N/A	---		9.9270	10.0	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Benzene	524.2	0.5	---		9.8700	10.0	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Carbon tetrachloride	524.2	0.5	---		9.9420	10.0	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Chlorobenzene	524.2	0.5	---		10.0920	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,2-Dichlorobenzene	524.2	0.5	---		10.2440	10.0	ug/L	102	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,4-Dichlorobenzene	524.2	0.5	---		10.1290	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,2-Dichloroethane	524.2	0.5	---		10.1130	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,1-Dichloroethylene	524.2	0.5	---		9.9710	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	cis-1,2-Dichloroethylene	524.2	0.5	---		9.8590	10.0	ug/L	99	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	trans-1,2-Dichloroethylene	524.2	0.5	---		9.9520	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Dichloromethane	524.2	0.5	---		10.1130	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,2-Dichloropropane	524.2	0.5	---		10.1160	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Ethylbenzene	524.2	0.5	---		10.1240	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Naphthalene	524.2	0.5	---		11.5650	10.0	ug/L	116	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Styrene	524.2	0.5	---		10.2840	10.0	ug/L	103	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Tetrachloroethylene	524.2	0.5	---		9.7820	10.0	ug/L	98	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Toluene	524.2	0.5	---		10.0380	10.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,2,4-Trichlorobenzene	524.2	0.5	---		10.8010	10.0	ug/L	108	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,1,1-Trichloroethane	524.2	0.5	---		9.7080	10.0	ug/L	97	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189

QC Summary Report (cont.)															
Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCC	1,1,2-Trichloroethane	524.2	0.5	---		10.0590	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Trichloroethylene	524.2	0.5	---		9.6480	10.0	ug/L	96	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	Vinyl chloride	524.2	0.2	---		8.2240	10.0	ug/L	82	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,2-Xylene	524.2	0.5	---		10.0530	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
CCC	1,3 + 1,4-Xylene	524.2	0.5	---		20.0640	20.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 19:43	4598189
LMB	IS-1,4-Difluorobenzene	524.2	N/A	---		95802	90940	ug/L	105	70 - 130	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	SS-Bromofluorobenzene	524.2	N/A	---		4.9930	5.0	ug/L	100	70 - 130	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	SS-1,2-Dichlorobenzene-d4	524.2	N/A	---		10.1900	10.0	ug/L	102	70 - 130	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	SS-1,2-Dichloroethane-d4	524.2	N/A	---		10.1390	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	SS-Toluene-d8	524.2	N/A	---		10.0930	10.0	ug/L	101	70 - 130	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Benzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Carbon tetrachloride	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Chlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,2-Dichlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,4-Dichlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,2-Dichloroethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,1-Dichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	cis-1,2-Dichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	trans-1,2-Dichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Dichloromethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,2-Dichloropropane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Ethylbenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Naphthalene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Styrene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Tetrachloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Toluene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,2,4-Trichlorobenzene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,1,1-Trichloroethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,1,2-Trichloroethane	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Trichloroethylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	Vinyl chloride	524.2	0.2	---	<	0.2		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,2-Xylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194
LMB	1,3 + 1,4-Xylene	524.2	0.5	---	<	0.5		ug/L	---	---	---	---	1.0	---	03/30/2020 21:23	4598194

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Run Log
Run ID: **273435** Method: **525.2**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCC	4601716		OS	DO	04/06/2020 08:57	525 2-DO-112119a.mth
CCC	4601717		OS	DO	04/06/2020 09:39	525 2-DO-112119a.mth
CCC	4601718		OS	DO	04/06/2020 10:21	525 2-DO-112119a.mth
LFB	4601713		RW	DO	04/06/2020 11:03	525 2-DO-112119a.mth
LFB	4601714		RW	DO	04/06/2020 11:45	525 2-DO-112119a.mth
LFB	4601715		RW	DO	04/06/2020 12:27	525 2-DO-112119a.mth
LMB	4601712		RW	DO	04/06/2020 13:10	525 2-DO-112119a.mth
CCC	4602144		OS	DO	04/06/2020 20:54	525 2-DO-112119a.mth
CCC	4602145		OS	DO	04/06/2020 21:36	525 2-DO-112119a.mth
CCC	4602146		OS	DO	04/06/2020 22:18	525 2-DO-112119a.mth

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCC	IS-Chrysene-d12	525.2	N/A	---		787530	787530	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1154000	1154000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	IS-Pyrene-d10	525.2	N/A	---		760021	760021	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.0690	5.0	ug/L	81	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.4040	5.0	ug/L	108	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	SS-Triphenylphosphate	525.2	N/A	---		4.9560	5.0	ug/L	99	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	Acenaphthene	525.2	0.1	---		5.1040	5.0	ug/L	102	65 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	Acenaphthylene	525.2	0.1	---		5.2520	5.0	ug/L	105	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	Anthracene	525.2	0.1	---		4.6680	5.0	ug/L	93	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	Phenanthrene	525.2	0.1	---		4.9240	5.0	ug/L	98	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	Pyrene	525.2	0.1	---		4.9660	5.0	ug/L	99	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 08:57	4601716
CCC	IS-Chrysene-d12	525.2	N/A	---		718427	718427	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1164000	1164000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	IS-Pyrene-d10	525.2	N/A	---		750401	750401	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.1300	5.0	ug/L	83	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		4.3420	5.0	ug/L	87	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.4440	5.0	ug/L	109	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	Fluoranthene	525.2	0.1	---		4.9000	5.0	ug/L	98	65 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 09:39	4601717
CCC	IS-Chrysene-d12	525.2	N/A	---		765028	765028	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1134000	1134000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	IS-Pyrene-d10	525.2	N/A	---		778131	778131	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		5.0820	5.0	ug/L	102	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.3270	5.0	ug/L	107	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.1230	5.0	ug/L	102	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	Benzo(a)pyrene	525.2	0.02	---		4.6310	5.0	ug/L	93	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	Di(2-ethylhexyl)adipate	525.2	0.6	---		4.5400	5.0	ug/L	91	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
CCC	Di(2-ethylhexyl)phthalate	525.2	0.6	---		4.7520	5.0	ug/L	95	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 10:21	4601718
LFB	IS-Chrysene-d12	525.2	N/A	---		630769	765028	ug/L	82	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	IS-Phenanthrene-d10	525.2	N/A	---		982001	1134000	ug/L	87	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	IS-Pyrene-d10	525.2	N/A	---		721962	778131	ug/L	93	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.3220	5.0	ug/L	86	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		4.2640	5.0	ug/L	85	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	SS-Triphenylphosphate	525.2	N/A	---		5.4290	5.0	ug/L	109	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	Fluoranthene	525.2	0.1	---		5.4540	5.0	ug/L	109	64 - 139	---	---	1.0	04/03/2020 08:00	04/06/2020 11:03	4601713
LFB	IS-Chrysene-d12	525.2	N/A	---		603683	765028	ug/L	79	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	IS-Phenanthrene-d10	525.2	N/A	---		852941	1134000	ug/L	75	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	IS-Pyrene-d10	525.2	N/A	---		666850	778131	ug/L	86	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.8010	5.0	ug/L	96	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.2050	5.0	ug/L	104	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	SS-Triphenylphosphate	525.2	N/A	---		5.6050	5.0	ug/L	112	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
LFB	Benzo(a)pyrene	525.2	0.02	---		4.5780	5.0	ug/L	92	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	Di(2-ethylhexyl)adipate	525.2	0.6	---		5.0940	5.0	ug/L	102	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	Di(2-ethylhexyl)phthalate	525.2	0.6	---		5.1560	5.0	ug/L	103	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 11:45	4601714
LFB	IS-Chrysene-d12	525.2	N/A	---		726620	765028	ug/L	95	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	IS-Phenanthrene-d10	525.2	N/A	---		1035000	1134000	ug/L	91	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	IS-Pyrene-d10	525.2	N/A	---		772497	778131	ug/L	99	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		3.9770	5.0	ug/L	80	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		4.7280	5.0	ug/L	95	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	SS-Triphenylphosphate	525.2	N/A	---		5.2130	5.0	ug/L	104	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	Acenaphthene	525.2	0.1	---		4.9570	5.0	ug/L	99	57 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	Acenaphthylene	525.2	0.1	---		5.0010	5.0	ug/L	100	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	Anthracene	525.2	0.1	---		4.4470	5.0	ug/L	89	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	Phenanthrene	525.2	0.1	---		5.2720	5.0	ug/L	105	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LFB	Pyrene	525.2	0.1	---		4.8520	5.0	ug/L	97	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 12:27	4601715
LMB	IS-Chrysene-d12	525.2	N/A	---		616806	765028	ug/L	81	70 - 130	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	IS-Phenanthrene-d10	525.2	N/A	---		957265	1134000	ug/L	84	70 - 130	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	IS-Pyrene-d10	525.2	N/A	---		744430	778131	ug/L	96	70 - 130	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.8650	5.0	ug/L	99	70 - 130	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.0640	5.0	ug/L	103	70 - 130	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	SS-Triphenylphosphate	525.2	N/A	---		5.4970	5.0	ug/L	112	70 - 130	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Acenaphthene	525.2	0.1	---	<	0.1		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Acenaphthylene	525.2	0.1	---	<	0.1		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Anthracene	525.2	0.1	---	<	0.1		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Benzo(a)pyrene	525.2	0.02	---	<	0.02		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Di(2-ethylhexyl)adipate	525.2	0.6	---	<	0.6		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Di(2-ethylhexyl)phthalate	525.2	0.6	---	<	0.6		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Fluoranthene	525.2	0.1	---	<	0.1		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Phenanthrene	525.2	0.1	---	<	0.1		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
LMB	Pyrene	525.2	0.1	---	<	0.1		ug/L	---	---	---	---	0.98	04/03/2020 08:00	04/06/2020 13:10	4601712
CCC	IS-Chrysene-d12	525.2	N/A	---		715090	715090	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1050000	1050000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	IS-Pyrene-d10	525.2	N/A	---		724991	724991	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.0600	5.0	ug/L	81	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.1060	5.0	ug/L	102	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.0310	5.0	ug/L	101	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	Acenaphthene	525.2	0.1	---		4.9890	5.0	ug/L	100	65 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	Acenaphthylene	525.2	0.1	---		5.2100	5.0	ug/L	104	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	Anthracene	525.2	0.1	---		4.7000	5.0	ug/L	94	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	Phenanthrene	525.2	0.1	---		5.3090	5.0	ug/L	106	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	Pyrene	525.2	0.1	---		4.9890	5.0	ug/L	100	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 20:54	4602144
CCC	IS-Chrysene-d12	525.2	N/A	---		716444	716444	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1088000	1088000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145
CCC	IS-Pyrene-d10	525.2	N/A	---		742085	742085	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.2850	5.0	ug/L	86	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		4.4790	5.0	ug/L	90	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.0240	5.0	ug/L	100	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145
CCC	Fluoranthene	525.2	0.1	---		5.1490	5.0	ug/L	103	65 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 21:36	4602145
CCC	IS-Chrysene-d12	525.2	N/A	---		678359	678359	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1024000	1024000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	IS-Pyrene-d10	525.2	N/A	---		712849	712849	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.9620	5.0	ug/L	99	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.0470	5.0	ug/L	101	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.2180	5.0	ug/L	104	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	Benzo(a)pyrene	525.2	0.02	---		4.5630	5.0	ug/L	91	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	Di(2-ethylhexyl)adipate	525.2	0.6	---		4.7660	5.0	ug/L	95	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146
CCC	Di(2-ethylhexyl)phthalate	525.2	0.6	---		4.7490	5.0	ug/L	95	70 - 130	---	---	1.0	04/03/2020 08:00	04/06/2020 22:18	4602146

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Eurofins Eaton Analytical
Run Log
Run ID: **273537** Method: **525.2**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCC	4602646		OS	DO	04/09/2020 11:12	525 2-DO-112119a.mth
CCC	4602647		OS	DO	04/09/2020 11:55	525 2-DO-112119a.mth
CCC	4602648		OS	DO	04/09/2020 12:37	525 2-DO-112119a.mth
FS	4596836	20-04052-JBPHHRedHillTP001	DW	DO	04/09/2020 15:25	525 2-DO-112119a.mth
MS	4601725	20-04052-JBPHHRedHillTP001	DW	DO	04/09/2020 16:07	525 2-DO-112119a.mth

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCC	IS-Chrysene-d12	525.2	N/A	---		656264	656264	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	IS-Phenanthrene-d10	525.2	N/A	---		911205	911205	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	IS-Pyrene-d10	525.2	N/A	---		651851	651851	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.1850	5.0	ug/L	84	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.1830	5.0	ug/L	104	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.1010	5.0	ug/L	102	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	Acenaphthene	525.2	0.1	---		4.9240	5.0	ug/L	98	65 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	Acenaphthylene	525.2	0.1	---		5.1610	5.0	ug/L	103	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	Anthracene	525.2	0.1	---		4.6530	5.0	ug/L	93	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	Phenanthrene	525.2	0.1	---		5.3840	5.0	ug/L	108	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	Pyrene	525.2	0.1	---		5.2370	5.0	ug/L	105	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:12	4602646
CCC	IS-Chrysene-d12	525.2	N/A	---		702038	702038	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1125000	1125000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	IS-Pyrene-d10	525.2	N/A	---		759062	759062	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		4.2300	5.0	ug/L	85	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		4.5380	5.0	ug/L	91	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.4760	5.0	ug/L	110	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	Fluoranthene	525.2	0.1	---		5.0180	5.0	ug/L	100	65 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 11:55	4602647
CCC	IS-Chrysene-d12	525.2	N/A	---		670452	670452	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	IS-Phenanthrene-d10	525.2	N/A	---		1028000	1028000	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	IS-Pyrene-d10	525.2	N/A	---		734142	734142	ug/L	100	50 - 150	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	SS-4,4'-Dichlorobiphenyl	525.2	N/A	---		5.3250	5.0	ug/L	106	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	---		5.4580	5.0	ug/L	109	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	SS-Triphenylphosphate	525.2	N/A	---		5.4510	5.0	ug/L	109	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	Benzo(a)pyrene	525.2	0.02	---		4.3450	5.0	ug/L	87	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	Di(2-ethylhexyl)adipate	525.2	0.6	---		4.7720	5.0	ug/L	95	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
CCC	Di(2-ethylhexyl)phthalate	525.2	0.6	---		4.9800	5.0	ug/L	100	70 - 130	---	---	1.0	04/03/2020 08:00	04/09/2020 12:37	4602648
FS	IS-Chrysene-d12	525.2	N/A	20-04052-JBPHHRedHillTP001		477687	670452	ug/L	71	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	IS-Phenanthrene-d10	525.2	N/A	20-04052-JBPHHRedHillTP001		846937	1028000	ug/L	82	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	IS-Pyrene-d10	525.2	N/A	20-04052-JBPHHRedHillTP001		677622	734142	ug/L	92	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	SS-4,4'-Dichlorobiphenyl	525.2	N/A	20-04052-JBPHHRedHillTP001		4.4380	5.0	ug/L	92	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	20-04052-JBPHHRedHillTP001		4.4820	5.0	ug/L	93	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	SS-Triphenylphosphate	525.2	N/A	20-04052-JBPHHRedHillTP001		6.1030	5.0	ug/L	127	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Acenaphthene	525.2	0.1	20-04052-JBPHHRedHillTP001	<	0.1		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Acenaphthylene	525.2	0.1	20-04052-JBPHHRedHillTP001	<	0.1		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Anthracene	525.2	0.1	20-04052-JBPHHRedHillTP001	<	0.1		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Benzo(a)pyrene	525.2	0.02	20-04052-JBPHHRedHillTP001	<	0.02		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Di(2-ethylhexyl)adipate	525.2	0.6	20-04052-JBPHHRedHillTP001	<	0.6		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Di(2-ethylhexyl)phthalate	525.2	0.6	20-04052-JBPHHRedHillTP001	<	0.6		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Fluoranthene	525.2	0.1	20-04052-JBPHHRedHillTP001	<	0.1		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836

QC Summary Report (cont.)

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
FS	Phenanthrene	525.2	0.1	20-04052-JBPHHRedHillTP001	<	0.1		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
FS	Pyrene	525.2	0.1	20-04052-JBPHHRedHillTP001	<	0.1		ug/L	---	---	---	---	0.96	04/03/2020 08:00	04/09/2020 15:25	4596836
MS	IS-Chrysene-d12	525.2	N/A	20-04052-JBPHHRedHillTP001		788037	670452	ug/L	118	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	IS-Phenanthrene-d10	525.2	N/A	20-04052-JBPHHRedHillTP001		1097000	1028000	ug/L	107	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	IS-Pyrene-d10	525.2	N/A	20-04052-JBPHHRedHillTP001		841224	734142	ug/L	115	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	SS-4,4'-Dichlorobiphenyl	525.2	N/A	20-04052-JBPHHRedHillTP001		3.4920	5.0	ug/L	73	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	SS-2,4,5,6-Tetrachloro-m-xylene	525.2	N/A	20-04052-JBPHHRedHillTP001		3.9740	5.0	ug/L	83	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	SS-Triphenylphosphate	525.2	N/A	20-04052-JBPHHRedHillTP001		4.9420	5.0	ug/L	103	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Acenaphthene	525.2	0.1	20-04052-JBPHHRedHillTP001		4.6500	5.0	ug/L	97	57 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Acenaphthylene	525.2	0.1	20-04052-JBPHHRedHillTP001		4.9220	5.0	ug/L	103	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Anthracene	525.2	0.1	20-04052-JBPHHRedHillTP001		4.0530	5.0	ug/L	84	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Benzo(a)pyrene	525.2	0.02	20-04052-JBPHHRedHillTP001		4.0770	5.0	ug/L	85	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Di(2-ethylhexyl)adipate	525.2	0.6	20-04052-JBPHHRedHillTP001		4.4070	5.0	ug/L	92	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Di(2-ethylhexyl)phthalate	525.2	0.6	20-04052-JBPHHRedHillTP001		4.5900	5.0	ug/L	96	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Fluoranthene	525.2	0.1	20-04052-JBPHHRedHillTP001		5.5630	5.0	ug/L	116	64 - 139	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Phenanthrene	525.2	0.1	20-04052-JBPHHRedHillTP001		4.5180	5.0	ug/L	94	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725
MS	Pyrene	525.2	0.1	20-04052-JBPHHRedHillTP001		4.8800	5.0	ug/L	102	70 - 130	---	---	0.96	04/03/2020 08:00	04/09/2020 16:07	4601725

Sample Type Key

Type (Abbr.)	Sample Type
CCV	Continuing Cali. Verification
CCB	Continuing Calibration Blank
CCC	Continuing Calibration Check
CCL	Continuing Calibration Low
FS	Field Sample
ICV	Initial Cali. Verification
ICB	Initial Calibration Blank
LFB	Laboratory Fortified Blank
LMB	Laboratory Method Blank
LRB	Laboratory Reagent Blank
LTB	Laboratory Trip Blank
MS	Matrix Spike
QCS	Quality Control Sample

Type (Abbr.)	Sample Type

END OF REPORT

NAVFAC HAWAII ENVIRONMENTAL SERVICES LABORATORY CHAIN-OF-CUSTODY

Navy Facilities Engineering Command, Hawaii, Pearl Harbor, Hawaii Phone: (808) 474-3704, FAX: (808) 471-4534

JON: 178014602019	ESM:	POC: Kyle Teraoka	PH#: 473-3160	FAX#: 473-1545
Report To: Kyle Teraoka		Copy To: Dean Setiono	Copy To:	
NAVFAC HI OPBP6		NAVFAC HI EV11		
kyle.teraoka@navy.mil		dean.setiono@navy.mil		

Sample ID	Sample Description	Matrix Code	Sampling Date	Sampling Time	Container Vol	Container Type	Analysis Required	Preservative / Res. Cl (ppm)	FOR LAB USE ONLY pH	Lab Number	Ext.	Lctn.	Cond. A	Cond. U
Joint Base Pearl Harbor-Hickam (360-011)	Red Hill, TP001, Tap outside the Cl2 Bldg	DW	3/23/20	0930	3x40mL	Glass	Volatiles (524.2)	Ascorbic, HCl		20-04052	1-3	C	✓	
					2x1L	Glass	Semi-Volatiles (525.2)	Sulfite, HCl 0.0			4-5	C	✓	
					3x40mL	Glass	TPH as Diesel (JP-8) (8015)				6-8	C	✓	
					125mL	Plastic	Lead (200.8)				9	C	✓	
Trip Blank		DW	~~20Mar20~~		2x40mL	Glass	Volatiles	Ascorbic, HCl		20-04053	1-2	C	✓	
			20 Mar 2020											

Sampling Information		Transportation Information		Unused Sample Disposition	Sample Condition
Location Sampled: Red Hill		Transported/Stored in: Cooler with ice	Cooler Temp: °C	[ ] Return to customer	[✓] Received with CoC
				[X] Dispose at 60 Days	[ ] Received with Custody Seals
Sampler(s): (Print names clearly) K. Miyaki		Air bill/Carrier ID#:		[ ] Archive for ____ Days	[ ] Seals Required [ ] Seals Intact
				[ ] Contact before disposal	[✓] Labels and CoC agree

Remarks: Any EPA approved drinking water method for organic chemicals, 40 CFR 141.24, may be used.
Laboratory must certified by the Hawaii State DOH Drinking Water Program.

Relinquished By: (Print clearly & Sign)	Date	Time	Received By: (Print clearly & Sign)	Date	Time
K. Miyaki K. Miyaki	3/23/20	1338	L. Lahue	3/23/20	1330