



ANALYTICAL REPORT

PREPARED FOR

Attn: Roger Brewer
Hawaii Department of Health
919 Ala Moana Blvd
Room 206
Honolulu, Hawaii 96814

Generated 11/28/2023 10:02:43 AM

JOB DESCRIPTION

Wastewater Treatment

JOB NUMBER

320-105614-2

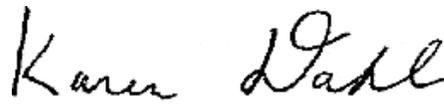
Eurofins Sacramento

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northern California, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Qualifiers

LCMS

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.

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

Case Narrative

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Job ID: 320-105614-2

Laboratory: Eurofins Sacramento

Narrative

Job Narrative 320-105614-2

Comments

As requested, these samples were analyzed for two analytes by method 537 Modified. These results are provided in this report.

Receipt

The samples were received on 10/4/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Receipt Exceptions

The following sample were received outside of the laboratories recommended holding time for TOPS analysis: SIWWTP-EFFL (320-105614-2) and HNWWTP-EFFL (320-105614-3).

As requested, the NTA analysis was placed on hold.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): LAWWTP-EFFL (320-105614-1), SIWWTP-EFFL (320-105614-2) and HNWWTP-EFFL (320-105614-3).

The containers for sample LAWWTP-EFFL (320-105614-1) were labeled with collection dates of 9/25/23 & 9/26/23. The containers for sample SIWWTP-EFFL (320-105614-2) were labeled with collection dates of 9/14/23 & 9/15/23. The containers for sample HNWWTP-EFFL (320-105614-3) were labeled with collection dates of 9/18/23 & 9/19/23. The collection dates listed on the COC were used in the report.

No collection times were listed on the COC. The earliest collection time listed on the containers was used in the report.

LCMS

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-722290.

Method 3535: The following sample in preparation batch 320-722290 was light green in color following extraction. HNWWTP-EFFL (320-105614-3)

Method 3535: The following samples were activated outside of the preparation holding time: LAWWTP-EFFL (320-105614-1), SIWWTP-EFFL (320-105614-2) and HNWWTP-EFFL (320-105614-3).

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

Detection Summary

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Client Sample ID: LAWWTP-EFFL

Lab Sample ID: 320-105614-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PFPrA	8.0	H	4.9	2.5	ng/L	1		537 (modified)	Total/NA

Client Sample ID: SIWWTP-EFFL

Lab Sample ID: 320-105614-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PFPrA	7.4	H H3	5.0	2.5	ng/L	1		537 (modified)	Total/NA

Client Sample ID: HNWWTP-EFFL

Lab Sample ID: 320-105614-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PFPrA	15	H H3	5.0	2.5	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Client Sample ID: LAWWTP-EFFL

Lab Sample ID: 320-105614-1

Date Collected: 09/26/23 09:00

Matrix: Water

Date Received: 10/04/23 09:30

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFPoS	ND	H	2.0	0.24	ng/L		11/22/23 05:24	11/27/23 00:08	1
PFPoS	8.0	H	4.9	2.5	ng/L		11/22/23 05:24	11/27/23 00:08	1
<i>Isotope Dilution</i>		<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA		102		25 - 150			11/22/23 05:24	11/27/23 00:08	1
13C3-PFPoS		72		25 - 150			11/22/23 05:24	11/27/23 00:08	1

Client Sample ID: SIWWTP-EFFL

Lab Sample ID: 320-105614-2

Date Collected: 09/19/23 08:31

Matrix: Water

Date Received: 10/04/23 09:30

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFPoS	ND	H H3	2.0	0.24	ng/L		11/22/23 05:24	11/27/23 00:18	1
PFPoS	7.4	H H3	5.0	2.5	ng/L		11/22/23 05:24	11/27/23 00:18	1
<i>Isotope Dilution</i>		<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA		88		25 - 150			11/22/23 05:24	11/27/23 00:18	1
13C3-PFPoS		51		25 - 150			11/22/23 05:24	11/27/23 00:18	1

Client Sample ID: HNWWTP-EFFL

Lab Sample ID: 320-105614-3

Date Collected: 09/19/23 07:40

Matrix: Water

Date Received: 10/04/23 09:30

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFPoS	ND	H H3	2.0	0.24	ng/L		11/22/23 05:24	11/27/23 00:28	1
PFPoS	15	H H3	5.0	2.5	ng/L		11/22/23 05:24	11/27/23 00:28	1
<i>Isotope Dilution</i>		<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA		86		25 - 150			11/22/23 05:24	11/27/23 00:28	1
13C3-PFPoS		81		25 - 150			11/22/23 05:24	11/27/23 00:28	1

Isotope Dilution Summary

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA	3C3PFPrA
		(25-150)	(25-150)
320-105614-1	LAWWTP-EFFL	102	72
320-105614-2	SIWWTP-EFFL	88	51
320-105614-3	HNWWTP-EFFL	86	81
LCS 320-722290/2-A	Lab Control Sample	101	84
LCSD 320-722290/3-A	Lab Control Sample Dup	97	81
MB 320-722290/1-A	Method Blank	102	91

Surrogate Legend

PFBA = 13C4 PFBA

13C3PFPrA = 13C3-PFPrA

QC Sample Results

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-722290/1-A
Matrix: Water
Analysis Batch: 722863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722290

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PFPPrS	ND		2.0	0.24	ng/L		11/22/23 05:24	11/26/23 23:27	1
PFPPrA	ND		5.0	2.5	ng/L		11/22/23 05:24	11/26/23 23:27	1
Isotope Dilution	MB MB		Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier		Result	Qualifier				
13C4 PFBA	102		25 - 150				11/22/23 05:24	11/26/23 23:27	1
13C3-PFPPrA	91		25 - 150				11/22/23 05:24	11/26/23 23:27	1

Lab Sample ID: LCS 320-722290/2-A
Matrix: Water
Analysis Batch: 722863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
								PFPPrS
PFPPrA	40.0	46.5		ng/L		116	70 - 130	
Isotope Dilution	LCS LCS		Limits			D	%Rec	%Rec Limits
	%Recovery	Qualifier		Result	Qualifier			
13C4 PFBA	101		25 - 150					
13C3-PFPPrA	84		25 - 150					

Lab Sample ID: LCSD 320-722290/3-A
Matrix: Water
Analysis Batch: 722863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
PFPPrS	36.8	35.3		ng/L		96	70 - 130	10	30
PFPPrA	40.0	47.8		ng/L		119	70 - 130	3	30
Isotope Dilution	LCSD LCSD		Limits			D	%Rec	%Rec Limits	RPD
	%Recovery	Qualifier		Result	Qualifier				
13C4 PFBA	97		25 - 150						
13C3-PFPPrA	81		25 - 150						

QC Association Summary

Client: Hawaii Department of Health
 Project/Site: Wastewater Treatment

Job ID: 320-105614-2

LCMS

Prep Batch: 722290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-105614-1	LAWWTP-EFFL	Total/NA	Water	3535	
320-105614-2	SIWWTP-EFFL	Total/NA	Water	3535	
320-105614-3	HNWWTP-EFFL	Total/NA	Water	3535	
MB 320-722290/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-722290/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-722290/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 722863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-105614-1	LAWWTP-EFFL	Total/NA	Water	537 (modified)	722290
320-105614-2	SIWWTP-EFFL	Total/NA	Water	537 (modified)	722290
320-105614-3	HNWWTP-EFFL	Total/NA	Water	537 (modified)	722290
MB 320-722290/1-A	Method Blank	Total/NA	Water	537 (modified)	722290
LCS 320-722290/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	722290
LCSD 320-722290/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	722290



Lab Chronicle

Client: Hawaii Department of Health
 Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Client Sample ID: LAWWTP-EFFL

Lab Sample ID: 320-105614-1

Date Collected: 09/26/23 09:00

Matrix: Water

Date Received: 10/04/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.6 mL	10.0 mL	722290	11/22/23 05:24	GAT	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722863	11/27/23 00:08	C1P	EET SAC

Client Sample ID: SIWWTP-EFFL

Lab Sample ID: 320-105614-2

Date Collected: 09/19/23 08:31

Matrix: Water

Date Received: 10/04/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.5 mL	10.0 mL	722290	11/22/23 05:24	GAT	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722863	11/27/23 00:18	C1P	EET SAC

Client Sample ID: HNWWTP-EFFL

Lab Sample ID: 320-105614-3

Date Collected: 09/19/23 07:40

Matrix: Water

Date Received: 10/04/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251 mL	10.0 mL	722290	11/22/23 05:24	GAT	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722863	11/27/23 00:28	C1P	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Laboratory: Eurofins Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Hawaii	State	<cert No.>	01-29-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	PFPrA
537 (modified)	3535	Water	PFPrS

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

Method Summary

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

- 1
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- 11
- 12
- 13
- 14
- 15

Sample Summary

Client: Hawaii Department of Health
Project/Site: Wastewater Treatment

Job ID: 320-105614-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-105614-1	LAWWTP-EFFL	Water	09/26/23 09:00	10/04/23 09:30
320-105614-2	SIWWTP-EFFL	Water	09/19/23 08:31	10/04/23 09:30
320-105614-3	HNWWTP-EFFL	Water	09/19/23 07:40	10/04/23 09:30

1

2

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15



Environment Testing

Sacramento
Sample Receiving Notes

Loc: 320
105614

Tracking #: 7845 7574 2010

Job: _____

SO (PO) FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: <u>W2</u> Corr. Factor: (+/-) _____ °C	Notes: <u>timer</u> <u>① timer 0900-0845</u> <u>② timer 0831-0739</u> <u>③ timer 0740-0755</u> <u>brkr</u> <u>① 9/15 - 26/23</u> <u>② 9/14 - 15/23</u> <u>③ 9/18 - 19/23</u>																																																															
Ice <input checked="" type="checkbox"/> Wet _____ Gel _____ Other _____																																																																
Cooler Custody Seal: _____																																																																
Cooler ID: _____																																																																
Temp Observed: <u>3.6</u> °C Corrected: <u>3.6</u> °C From: Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/>																																																																
<table border="0"> <tr> <td>Opening/Processing The Shipment</td> <td>Yes</td> <td>No</td> <td>NA</td> </tr> <tr> <td>Cooler compromised/tampered with?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Cooler Temperature is acceptable?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Frozen samples show signs of thaw?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>		Opening/Processing The Shipment	Yes	No	NA	Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Frozen samples show signs of thaw?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																															
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Initials: <u>W</u> Date: <u>10/10/23</u>																																																																
<table border="0"> <tr> <td>Unpacking/Labeling The Samples</td> <td>Yes</td> <td>No</td> <td>NA</td> </tr> <tr> <td>Containers are not broken or leaking?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Samples compromised/tampered with?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>COC is complete w/o discrepancies</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Sample custody seal?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Sample containers have legible labels?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Sample date/times are provided?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Appropriate containers are used?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Sample bottles are completely filled?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Sample preservatives verified?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Is the Field Sampler's name on COC?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Samples w/o discrepancies?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Zero headspace?*</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Alkalinity has no headspace?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Perchlorate has headspace? (Methods 314, 331, 6850)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Multiphasic samples are not present?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Unpacking/Labeling The Samples	Yes	No	NA	Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	COC is complete w/o discrepancies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample preservatives verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is the Field Sampler's name on COC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Samples w/o discrepancies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Perchlorate has headspace? (Methods 314, 331, 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpacking/Labeling The Samples	Yes	No	NA																																																													
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																													
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																													
COC is complete w/o discrepancies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																													
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																																													
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																													
Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																													
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																													
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																													
Sample preservatives verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																																													
Is the Field Sampler's name on COC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																													
Samples w/o discrepancies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																													
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																																													
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																																													
Perchlorate has headspace? (Methods 314, 331, 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																																													
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																													
Trizma Lot #(s): _____																																																																
Ammonium Acetate Lot #(s): _____																																																																
<table border="0"> <tr> <td>Login Completion</td> <td>Yes</td> <td>No</td> <td>NA</td> </tr> <tr> <td>Receipt Temperature on COC?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>NCM Filed?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Samples received within hold time?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Log Release checked in TALS?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Login Completion	Yes	No	NA	Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NCM Filed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Samples received within hold time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																												
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Initials: <u>SO</u> Date: <u>10/15/23</u>																																																																

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Login Sample Receipt Checklist

Client: Hawaii Department of Health

Job Number: 320-105614-2

Login Number: 105614

List Source: Eurofins Sacramento

List Number: 1

Creator: Oropeza, Salvador

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