APPENDIX E

First Quarter 2018 Analytical Laboratory Reports and Validation Reports

APPENDIX E

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DATA VALIDATION REPORT

Boeing SSFL Arroyo Simi

SAMPLE DELIVERY GROUP: 440-208369-1

Prepared for

Haley & Aldrich

April 18, 2018







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- 1 Sample Identification
- 2 Data Qualifier Reference
- 3 Reason Code Reference



I. INTRODUCTION

Task Order Title: Boeing SSFL Arroyo Simi

Contract: 40458-078 and 40458-083

MEC^x Project No.: 1272.003D.01 002

Sample Delivery Group: 440-208369-1

Project Manager: K. Miller

Matrix: Water

QC Level: IV

No. of Samples: 1

No. of Reanalyses/Dilutions: 0
Laboratory: TestAmerica - Irvine

TABLE 1 - SAMPLE IDENTIFICATION

Sample Name	Lab Sample Name	Matrix	Collection	Method	
ArroyoSimi_20180406	440-208369-1	Water	4/6/2018 9:10:00 AM	SM9221F	



II. SAMPLE MANAGEMENT

According to the case narrative, sample condition upon receipt form and the chain-of-custody (COC) provided by the laboratory for sample delivery group (SDG) 440-208369-1:

- The laboratory received the sample in this sample delivery group (SDG) on ice and within the temperature limits of less than 6 degrees Celsius (°C) and greater than 0°C.
- The laboratory received the sample containers intact and properly preserved, as applicable.
- Field and laboratory personnel signed and dated the COC.
- According to the sample receipt form, custody seals were intact if present.



TABLE 2 - DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. For dioxins or PCB congeners, the associated value is the quantitation limit or the estimated detection limit.	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. For perchlorate, the associated value is the sample detection limit or the quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may inaccurate or imprecise.	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may inaccurate or imprecise.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.



TABLE 3 - REASON CODE REFERENCE

	TABLE 5 - REASON CODE	TEL ENERGE
Reason Code	Organic	Inorganic
Н	Holding time was exceeded.	Holding time was exceeded.
S	Surrogate recovery was outside control limits.	Not applicable.
С	Calibration percent relative standard deviation (%RSD) or percent deviation (%D) were noncompliant, or coefficient of determination (r²) was <0.990.	Correlation coefficient (r) was <0.995.
R	Calibration relative response factor (RRF) was <0.05.	Percent recovery (%R) for calibration was outside control limits.
В	The analyte was detected in an associated blank as well as in the sample.	The analyte was detected in an associated blank as well as in the sample.
L	Laboratory control sample (LCS) or /LCS duplicate (LCSD) %R was outside the control limits.	LCS or LCSD %R was outside the control limits.
L1	LCS/LCSD relative percent difference (RPD) was outside the control limit.	LCS/LCSD RPD was outside the control limit.
Q	Matrix spike/matrix spike duplicate (MS/MSD) %R was outside control limits.	MS or MSD %R was outside the control limit.
Q1	MS/MSD RPD was outside the control limit.	MS/MSD RPD was outside the control limit.
E	Result was reported as an estimated maximum possible concentration (EMPC).	Laboratory duplicate RPD was outside the control limit.
I	Internal standard recovery was outside control limits.	Inductively coupled plasma (ICP) interference check standard (ICSA/ICSAB) result was outside control limits.
I1	Not applicable.	ICP mass spectrometer (ICPMS) internal standard recovery was outside control limits.
Α	Not applicable.	Serial dilution %D was outside control limits.
М	Tuning (BFB or DFTPP) was not compliant.	ICPMS tune was not compliant.
Т	The analyte was detected in an associated trip blank as well as in the sample.	Not applicable.
+	False positive – reported compound was not present.	False positive – reported compound was not present.
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.



Reason Code	Organic	Inorganic		
F	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.		
F1	Field duplicate RPD was outside the control limit. Field duplicate RPD was outside the limit.			
\$	The reviewer corrected the reported result and/or other information. The reviewer corrected the real and/or other information.			
D	The analysis was not used because another more technically sound analysis was available.	The analysis was not used because another more technically sound analysis was available.		
Р	Instrument performance not compliant.	Post digestion spike recovery was outside of control limits.		
DNQ	The reported result is above the method detection limit but is less than the reporting limit.	The reported result is above the method detection limit but is less than the reporting limit.		
* , *	Other problems identified in the data are described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Other problems identified in the data are described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.		



III. STANDARD METHOD 9221F — E. COLI

Marcia Hilchey of MEC^X reviewed the SDG on April 18, 2018.

The sample listed in Table 1 for this analysis was validated based on the guidelines outlined in the MEC^x Data Validation Procedure for General Minerals (DVP-6, Rev. 1), Standard Methods for the Examination of Water and Wastewater 9221F, and the National Functional Guidelines for Inorganic Superfund Data Review (2014).

III.1. HOLDING TIMES

The analytical holding time, 30 hours as stated in the QAPP for Method 9221F and 8 hours as requested on the CoC, was met.

III.2. CALIBRATION

Calibration criteria were met. Biological controls were acceptable.

III.3. QUALITY CONTROL SAMPLES

III.3.1. METHOD BLANKS

The method blank is not applicable to the biological method. The negative control sample was acceptable.

III.3.2. LABORATORY CONTROL SAMPLES

The presumptive test was analyzed with the positive detects for the target bacteria.

III.3.3. LABORATORY DUPLICATES

Laboratory duplicate analyses were not performed on the sample in this SDG

111.3.4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analysis is not applicable to this method.

III.4. SAMPLE RESULT VERIFICATION

Calculations were verified and the sample result reported on the sample results summary was verified against the raw data. No transcription errors or calculation errors were noted.

III.5. FIELD QC SAMPLES

MEC^x evaluated field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. MEC^x used the remaining detects to evaluate the associated site sample. Findings associated with field QC samples are summarized below.

11.5.1. FIELD BLANKS AND EQUIPMENT BLANKS

Field blank or equipment blank samples were not identified for this SDG.

III.5.2. FIELD DUPLICATES

There were no field duplicate samples identified for this SDG.

Validated Sample Result Forms: 4402083691

Analysis Method SM9221F

Sample Name ArroyoSimi_20180406 Matrix Type: WS Result Type: TRG

Sample Date: 4/6/2018 9:10:00 AM Validation Level: 8

Lab Sample Name: 440-208369-1

Analyte Fraction: CAS No Result RL**MDL** Result Lab Validation Validation Value Units Qualifier Qualifier Notes mpn/100 Escherichia coli **ECOLI** 160 1.8 1.8

Wednesday, April 18, 2018 Page 1 of 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine 17461 Derian Ave Suite 100

Irvine, CA 92614-5817 Tel: (949)261-1022

TestAmerica Job ID: 440-208369-1

Client Project/Site: Annual Arroyo Simi-Frontier Park

For:

Haley & Aldrich, Inc. 400 E Van Buren St. Suite 545 Phoenix, Arizona 85004

Attn: Katherine Miller

Authorized for release by: 4/16/2018 12:04:30 PM

Urvashi Patel, Manager of Project Management (949)261-1022

urvashi.patel@testamericainc.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Usli fatel

I certify under penalty of perjury that the information contained in this report and all attachments was produced in accordance with the indicated methods and laboratory standard operating procedures, except as noted, and are complete and accurate to the best of my knowledge and belief. Subcontract laboratory reports that are attached have been evaluated for completeness and quality control acceptability.

Urvashi Patel Manager of Project Management 4/16/2018 12:04:30 PM

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Sample Summary

Client: Haley & Aldrich, Inc. Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-208369-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-208369-1	ArroyoSimi_20180406	Water	04/06/18 09:10	04/06/18 13:44

Case Narrative

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-208369-1

Job ID: 440-208369-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-208369-1

Comments

No additional comments.

Receipt

The sample was received on 4/6/2018 1:44 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

Biology

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

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Client Sample Results

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-208369-1

Client Sample ID: ArroyoSimi_20180406 Lab Sample ID: 440-208369-1

Date Collected: 04/06/18 09:10 Matrix: Water

Date Received: 04/06/18 13:44

Method: SM 9221F - E.Coli (Multiple-Tube Fermentation; EC-MUG)

Analyte Result Qualifier RL RL Unit D Prepared Analyzed Dil Fac

 Escherichia coli
 1.8
 1.8
 MPN/100mL
 04/06/18 15:27
 1

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Method Summary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-208369-1

Method	Method Description	Protocol	Laboratory
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)	SM	TAL IRV

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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Lab Chronicle

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-208369-1

Client Sample ID: ArroyoSimi_20180406 Lab Sample ID: 440-208369-1

Date Collected: 04/06/18 09:10 **Matrix: Water** Date Received: 04/06/18 13:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9221F		1	100 mL	100 mL	469616		ST	TAL IRV
							(Start)	04/06/18 15:27		
							(End)	04/09/18 12:24		

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Association Summary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-208369-1

Biology

Analysis Batch: 469616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-208369-1	ArroyoSimi_20180406	Total/NA	Water	SM 9221F	

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Definitions/Glossary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)
Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Quality Control

TestAmerica Job ID: 440-208369-1

Glossary

PQL

QC

RER

RL RPD

TEF

TEQ

Abbreviation	These commonly used abbreviations may or may not be present in this report.						
n	Listed under the "D" column to designate that the result is reported on a dry weight basis						
%R	Percent Recovery						
CFL	Contains Free Liquid						
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)						
MDA	Minimum Detectable Activity (Radiochemistry)						
MDC	Minimum Detectable Concentration (Radiochemistry)						
MDL	Method Detection Limit						
ML	Minimum Level (Dioxin)						
NC	Not Calculated						
ND	Not Detected at the reporting limit (or MDL or EDL if shown)						

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.

TestAmerica Job ID: 440-208369-1

Project/Site: Annual Arroyo Simi-Frontier Park

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-18

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Page 1 of 1	ANALYSIS REQUIRED Comments		Deliver to lab ASAP 8 hr hold time, Need 1x, 10x, 10th dilutions	440-208369 Chain of Custody	e: // Turn around Time. (check) / 5 / 24 Hours 5 Days / 48 Hours 10 Days X	ate/Time: Sample Integnty. (check) Intact On for Store samples for 8 months. Data Requirements (check) No Level IV All Level IV X
CUSTODY FORM	formed in greement# its formes inc., its formes inc.	Bottle #	x 10 ×		Relinquished By Bate/Time:	19 TA-12 U
CHAIN OF CUSTO	SSFL NPDES Arroyo Simi-Front as services under this e with the T&Cs within B estAmerica by and betw s and affiliates, and Tes Number: 9.8606, 520.904.(Sample Sampling Preservative I.D. Date/Time	ArroyoSimi-20180406 04/06/18 Na2S2O3		2501/8//9/	71344
a Version 7/19/2010		Container # of Type Cont.	 		Date/Time:	Date/Time
Test America version 7/19/2010	Client Name/Address: Haley & Aldrich 5333 Mission Center Road, Suite 300 San Diego, CA 92108 Test America Contact: Urvashi Patel Project Manager: Katherine Miller Sampler: Can Suith	Sample Sample Description Matrix	+		Relinquished By M Relinquished By	Relinquished-By

Client: Haley & Aldrich, Inc.

Job Number: 440-208369-1

Login Number: 208369 List Source: TestAmerica Irvine

List Number: 1

Creator: Saraubon, Phakchaya

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

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DATA VALIDATION REPORT

Boeing SSFL Arroyo Simi

SAMPLE DELIVERY GROUP: 440-208773-1

Prepared for

Haley & Aldrich

April 20, 2018







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TABLES

- 1 Sample Identification
- 2 Data Qualifier Reference
- 3 Reason Code Reference



I. INTRODUCTION

Task Order Title: Boeing SSFL Arroyo Simi

Contract: 40458-078 and 40458-083 **MEC^x Project No.:** 1272.003D.01 002 **Sample Delivery Group:** 440-208773-1

Project Manager: K. Miller

Matrix: Water

QC Level: IV

No. of Samples: 1

No. of Reanalyses/Dilutions: 0
Laboratory: TestAmerica - Irvine

TABLE 1 - SAMPLE IDENTIFICATION

Sample Name	Lab Sample Name	Matrix	Collection	Method
ArroyoSimi_20180413	440-208773-1	Water	4/13/2018 9:00:00 AM	SM9221F



II. SAMPLE MANAGEMENT

According to the case narrative, sample condition upon receipt form and the chain-of-custody (COC) provided by the laboratory for sample delivery group (SDG) 440-208773-1:

- The laboratory received the sample in this sample delivery group (SDG) on ice and within the temperature limits of less than 6 degrees Celsius (°C) and greater than 0°C.
- The laboratory received the sample containers intact and properly preserved, as applicable.
- Field and laboratory personnel signed and dated the COC.
- According to the sample receipt form, custody seals were absent; however, there was no evidence of tampering.



TABLE 2 - DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. For dioxins or PCB congeners, the associated value is the quantitation limit or the estimated detection limit.	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. For perchlorate, the associated value is the sample detection limit or the quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may inaccurate or imprecise.	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may inaccurate or imprecise.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.



TABLE 3 - REASON CODE REFERENCE

	TABLE 3 - REASON CODE REFERENCE				
Reason Code	Organic	Inorganic			
Н	Holding time was exceeded.	Holding time was exceeded.			
S	Surrogate recovery was outside control limits.	Not applicable.			
С	Calibration percent relative standard deviation (%RSD) or percent deviation (%D) were noncompliant, or coefficient of determination (r²) was <0.990.	Correlation coefficient (r) was <0.995.			
R	Calibration relative response factor (RRF) was <0.05.	Percent recovery (%R) for calibration was outside control limits.			
В	The analyte was detected in an associated blank as well as in the sample.	The analyte was detected in an associated blank as well as in the sample.			
L	Laboratory control sample (LCS) or /LCS duplicate (LCSD) %R was outside the control limits.	LCS or LCSD %R was outside the control limits.			
L1	LCS/LCSD relative percent difference (RPD) was outside the control limit.	LCS/LCSD RPD was outside the control limit.			
Q	Matrix spike/matrix spike duplicate (MS/MSD) %R was outside control limits.	MS or MSD %R was outside the control limit.			
Q1	MS/MSD RPD was outside the control limit.	MS/MSD RPD was outside the control limit.			
E	Result was reported as an estimated maximum possible concentration (EMPC).	Laboratory duplicate RPD was outside the control limit.			
I	Internal standard recovery was outside control limits.	Inductively coupled plasma (ICP) interference check standard (ICSA/ICSAB) result was outside control limits.			
I1	Not applicable.	ICP mass spectrometer (ICPMS) internal standard recovery was outside control limits.			
Α	Not applicable.	Serial dilution %D was outside control limits.			
M	Tuning (BFB or DFTPP) was not compliant.	ICPMS tune was not compliant.			
Т	The analyte was detected in an associated trip blank as well as in the sample.	Not applicable.			
+	False positive – reported compound was not present.	False positive – reported compound was not present.			
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.			



Reason Code	Organic	Inorganic
F	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.
F1	Field duplicate RPD was outside the control limit.	Field duplicate RPD was outside the control limit.
\$	The reviewer corrected the reported result and/or other information.	The reviewer corrected the reported result and/or other information.
D	The analysis was not used because another more technically sound analysis was available.	The analysis was not used because another more technically sound analysis was available.
Р	Instrument performance not compliant.	Post digestion spike recovery was outside of control limits.
DNQ	The reported result is above the method detection limit but is less than the reporting limit.	The reported result is above the method detection limit but is less than the reporting limit.
*11, *111	Other problems identified in the data are described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Other problems identified in the data are described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.



III. STANDARD METHOD 9221F — E. COLI

Marcia Hilchey of MEC^X reviewed the SDG on April 20, 2018.

The sample listed in Table 1 for this analysis was validated based on the guidelines outlined in the MEC^x Data Validation Procedure for General Minerals (DVP-6, Rev. 1), Standard Methods for the Examination of Water and Wastewater 9221F, and the National Functional Guidelines for Inorganic Superfund Data Review (2014).

III.1. HOLDING TIMES

The analytical holding time, 30 hours as stated in the QAPP for Method 9221F and 8 hours as requested on the CoC, was met.

III.2. CALIBRATION

Calibration criteria were met. Biological controls were acceptable.

III.3. QUALITY CONTROL SAMPLES

III.3.1. METHOD BLANKS

The method blank is not applicable to the biological method. The negative control sample was acceptable.

III.3.2. LABORATORY CONTROL SAMPLES

The presumptive test was analyzed with the positive detects for the target bacteria.

III.3.3. LABORATORY DUPLICATES

Laboratory duplicate analyses were not performed on the sample in this SDG

111.3.4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analysis is not applicable to this method.

III.4. SAMPLE RESULT VERIFICATION

Calculations were verified and the sample result reported on the sample results summary was verified against the raw data. No transcription errors or calculation errors were noted.

III.5. FIELD QC SAMPLES

MEC^x evaluated field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. MEC^x used the remaining detects to evaluate the associated site sample. Findings associated with field QC samples are summarized below.

11.5.1. FIELD BLANKS AND EQUIPMENT BLANKS

Field blank or equipment blank samples were not identified for this SDG.

III.5.2. FIELD DUPLICATES

There were no field duplicate samples identified for this SDG.

Validated Sample Result Forms: 4402087731

Analysis Method SM9221F

Sample Name ArroyoSimi_20180413 Matrix Type: WS Result Type: TRG

Sample Date: 4/13/2018 9:00:00 AM Validation Level: 8

Lab Sample Name: 440-208773-1

Analyte Fraction: CAS No Result RL**MDL** Result Lab Validation Validation Value Units Qualifier Qualifier Notes mpn/100 Escherichia coli **ECOLI** 200 1.8 1.8

Tuesday, April 24, 2018 Page 1 of 1



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine 17461 Derian Ave Suite 100

Irvine, CA 92614-5817 Tel: (949)261-1022

TestAmerica Job ID: 440-208773-1

Client Project/Site: Annual Arroyro Simi-Frontier Park

For:

Haley & Aldrich, Inc. 400 E Van Buren St. Suite 545 Phoenix, Arizona 85004

Attn: Katherine Miller

Ushi Patel

Authorized for release by: 4/19/2018 8:13:13 AM

Urvashi Patel, Manager of Project Management (949)261-1022

urvashi.patel@testamericainc.com

·····LINKS ······

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Usli fatel

4/19/2018 8:13:13 AM

Manager of Project Management

Urvashi Patel

I certify under penalty of perjury that the information contained in this report and all attachments was produced in accordance with the indicated methods and laboratory standard operating procedures, except as noted, and

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Page 2 of 13

are complete and accurate to the best of my knowledge and belief. Subcontract laboratory reports that are

attached have been evaluated for completeness and quality control acceptability.

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Sample Summary

Client: Haley & Aldrich, Inc. Project/Site: Annual Arroyro Simi-Frontier Park

TestAmerica Job ID: 440-208773-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-208773-1	ArroyoSimi_20180413	Water	04/13/18 09:00	04/13/18 14:00

Case Narrative

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyro Simi-Frontier Park

TestAmerica Job ID: 440-208773-1

Job ID: 440-208773-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-208773-1

Comments

No additional comments.

Receipt

The sample was received on 4/13/2018 2:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

Biology

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

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Client Sample Results

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyro Simi-Frontier Park

Client Sample ID: ArroyoSimi 20180413

TestAmerica Job ID: 440-208773-1

Lab Sample ID: 440-208773-1

Matrix: Water

Date Collected: 04/13/18 09:00 Date Received: 04/13/18 14:00

Method: SM 9221F - E.Coli (Multiple-Tube Fermentation; EC-MUG)

Analyte Result Qualifier **RL** Unit Analyzed Dil Fac Prepared 1.8 04/13/18 14:59

1.8 MPN/100mL Escherichia coli 200

Method Summary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyro Simi-Frontier Park

TestAmerica Job ID: 440-208773-1

Method	Method Description	Protocol	Laboratory
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)	SM	TAL IRV

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Haley & Aldrich, Inc.

Date Received: 04/13/18 14:00

Project/Site: Annual Arroyro Simi-Frontier Park

TestAmerica Job ID: 440-208773-1

Lab Sample ID: 440-208773-1

Client Sample ID: ArroyoSimi_20180413 Date Collected: 04/13/18 09:00 **Matrix: Water**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9221F		1	100 mL	100 mL	470709		ST	TAL IRV
							(Start)	04/13/18 14:59		
							(End)	04/16/18 12:23		

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Association Summary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyro Simi-Frontier Park

TestAmerica Job ID: 440-208773-1

Biology

Analysis Batch: 470709

Lab Sample IDClient Sample IDPrep TypeMatrixMethodPrep Batch440-208773-1ArroyoSimi_20180413Total/NAWaterSM 9221F

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Definitions/Glossary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyro Simi-Frontier Park

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

TestAmerica Job ID: 440-208773-1

Glossary

QC

RER

RPD TEF

TEQ

RL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.

TestAmerica Job ID: 440-208773-1

Project/Site: Annual Arroyro Simi-Frontier Park

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-18

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	ANALYSIS REQUIRED Comm	E. coll	X Deliver to lab ASAP 8 hr hold time, Need 1x, 10x, 100x dilutions			440-208773 Chain of Custody	Date/Time: Sample Integnty: (check) Intact On toe Store samples for 6 months: Data Requirements: (check) No Level IV All Level IV X
Y FOI	ann c, ts	Bottle #	10				Received B
CUSTODY FORM	rk service Agreem a Laboratories (Cell) k	Preservative	Na2S203				
	ES Frontier Park within Blanket Ser and TestAmerica I 904. 6944 (c rk Dominick 599.0702 (c	Sampling Date/Time	04/13/18				
CHAIN OF	Project: Boeing-SSFL NPDES Annual Arroyo Simi-Frontier Park Annual Arroyo Simi-Frontier Park TestAmerica's services under this CoC shall be performed in accordance with the T&Cs within Blanket Service Agreement# 2015-18-restAmerica by and between Haley & Aldrich, Inc., its subsidiaries and affiliates, and TestAmerica Laboratories inc. Phone Number: 520.289.8606, 520.904.6944 (cell) Field Manager: Mark Dominick 978.234.5033, 818.599.0702 (cell)	Sample I.D.	ArroyoSimi-20180413				Date/Time:
/19/2010	e 300 atel	# of Cont.	8				C. Cate
Fest America version 7/19/2010	Client Name/Address: Haley & Aldrich 5333 Mission Center Road, Suite 300 San Diego, CA 92108 Test America Contact: Urvashi Patel Project Manager: Katherine Miller Sampler:	Container Type	125mL Sterile Poly				No la
meric	ne/Addre Idrich on Centel CA 9210 a Contact	Sample Matrix	м				
Test A	Client Name/Address: Haley & Aldrich 5333 Mission Center Ro San Diego, CA 92108 Test America Contact: Ur Project Manager: Kal	Sample Description	Arroyo Simi				Relinquished By Refinquished By

77-56 36/36

Client: Haley & Aldrich, Inc.

Job Number: 440-208773-1

Login Number: 208773 List Source: TestAmerica Irvine

List Number: 1

Creator: Soderblom, Tim

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

TestAmerica Irvine

DATA VALIDATION REPORT

Boeing SSFL Arroyo Simi

SAMPLE DELIVERY GROUP: 440-209475-1

Prepared for

Haley & Aldrich

April 25, 2018







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TABLES

- 1 Sample Identification
- 2 Data Qualifier Reference
- 3 Reason Code Reference



I. INTRODUCTION

Task Order Title: Boeing SSFL Arroyo Simi

Contract: 40458-078 and 40458-083 **MEC^x Project No.:** 1272.003D.01 002 **Sample Delivery Group:** 440-209475-1

Project Manager: K. Miller

Matrix: Water
QC Level: IV

No. of Samples: 1

No. of Reanalyses/Dilutions: 0
Laboratory: TestAmerica - Irvine

TABLE 1 - SAMPLE IDENTIFICATION

Sample Name	Lab Sample Name	Matrix	Collection	Method
ArroyoSimi_20180420	440-209475-1	Water	4/20/2018 9:05:00 AM	SM9221F



II. SAMPLE MANAGEMENT

According to the case narrative, sample condition upon receipt form and the chain-of-custody (COC) provided by the laboratory for sample delivery group (SDG) 440-209475-1:

- The laboratory received the sample in this sample delivery group (SDG) on ice and within the temperature limits of less than 6 degrees Celsius (°C) and greater than 0°C.
- The laboratory received the sample containers intact and properly preserved, as applicable.
- Field and laboratory personnel signed and dated the COC.
- According to the sample receipt form, custody seals were absent; however, there was no evidence of tampering.



TABLE 2 - DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. For dioxins or PCB congeners, the associated value is the quantitation limit or the estimated detection limit.	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. For perchlorate, the associated value is the sample detection limit or the quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may inaccurate or imprecise.	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may inaccurate or imprecise.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.



TABLE 3 - REASON CODE REFERENCE

	TABLE 3 - REASON CODE	. HEI EREITEE
Reason Code	Organic	Inorganic
Н	Holding time was exceeded.	Holding time was exceeded.
S	Surrogate recovery was outside control limits.	Not applicable.
С	Calibration percent relative standard deviation (%RSD) or percent deviation (%D) were noncompliant, or coefficient of determination (r²) was <0.990.	Correlation coefficient (r) was <0.995.
R	Calibration relative response factor (RRF) was <0.05.	Percent recovery (%R) for calibration was outside control limits.
В	The analyte was detected in an associated blank as well as in the sample.	The analyte was detected in an associated blank as well as in the sample.
L	Laboratory control sample (LCS) or /LCS duplicate (LCSD) %R was outside the control limits.	LCS or LCSD %R was outside the control limits.
L1	LCS/LCSD relative percent difference (RPD) was outside the control limit.	LCS/LCSD RPD was outside the control limit.
Q	Matrix spike/matrix spike duplicate (MS/MSD) %R was outside control limits.	MS or MSD %R was outside the control limit.
Q1	MS/MSD RPD was outside the control limit.	MS/MSD RPD was outside the control limit.
E	Result was reported as an estimated maximum possible concentration (EMPC).	Laboratory duplicate RPD was outside the control limit.
I	Internal standard recovery was outside control limits.	Inductively coupled plasma (ICP) interference check standard (ICSA/ICSAB) result was outside control limits.
I1	Not applicable.	ICP mass spectrometer (ICPMS) internal standard recovery was outside control limits.
А	Not applicable.	Serial dilution %D was outside control limits.
М	Tuning (BFB or DFTPP) was not compliant.	ICPMS tune was not compliant.
Т	The analyte was detected in an associated trip blank as well as in the sample.	Not applicable.
+	False positive – reported compound was not present.	False positive – reported compound was not present.
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.



Reason Code	Organic	Inorganic				
F	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.				
F1	Field duplicate RPD was outside the control limit.	Field duplicate RPD was outside the control limit.				
\$	The reviewer corrected the reported result and/or other information.	The reviewer corrected the reported result and/or other information.				
D	The analysis was not used because another more technically sound analysis was available.	The analysis was not used because another more technically sound analysis was available.				
Р	Instrument performance not compliant.	Post digestion spike recovery was outside o control limits.				
DNQ	The reported result is above the method detection limit but is less than the reporting limit.	The reported result is above the method detection limit but is less than the reporting limit.				
* , *	Other problems identified in the data are described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Other problems identified in the data are described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.				



III. STANDARD METHOD 9221F — E. COLI

Marcia Hilchey of MEC^x reviewed the SDG on April 25, 2018.

The sample listed in Table 1 for this analysis was validated based on the guidelines outlined in the MEC^X Data Validation Procedure for General Minerals (DVP-6, Rev. 1), Standard Methods for the Examination of Water and Wastewater 9221F, and the National Functional Guidelines for Inorganic Superfund Data Review (2014).

III.1. HOLDING TIMES

The analytical holding time, 30 hours as stated in the QAPP for Method 9221F and 8 hours as requested on the CoC, was met.

III.2. CALIBRATION

Calibration criteria were met. Biological controls were acceptable.

III.3. QUALITY CONTROL SAMPLES

III.3.1. METHOD BLANKS

The method blank is not applicable to the biological method. The negative control sample was acceptable.

III.3.2. LABORATORY CONTROL SAMPLES

The presumptive test was analyzed with the positive detects for the target bacteria.

III.3.3. LABORATORY DUPLICATES

Laboratory duplicate analyses were not performed on the sample in this SDG.

111.3.4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analysis is not applicable to this method.

III.4. SAMPLE RESULT VERIFICATION

Calculations were verified and the sample result reported on the sample results summary was verified against the raw data. No transcription errors or calculation errors were noted.

III.5. FIELD QC SAMPLES

MEC^x evaluated field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. MEC^x used the remaining detects to evaluate the associated site sample. Findings associated with field QC samples are summarized below.

11.5.1. FIELD BLANKS AND EQUIPMENT BLANKS

Field blank or equipment blank samples were not identified for this SDG.

III.5.2. FIELD DUPLICATES

There were no field duplicate samples identified for this SDG.

Validated Sample Result Forms: 4402094751

Analysis Method SM9221F

Sample Name ArroyoSimi_20180420 Matrix Type: WS Result Type: TRG

Sample Date: 4/20/2018 9:05:00 AM Validation Level: 8

Lab Sample Name: 440-209475-1

Analyte Fraction: CAS No Result RL**MDL** Result Lab Validation Validation Value Units Qualifier Qualifier Notes 170 mpn/100 Escherichia coli **ECOLI** 1.8 1.8

Wednesday, May 2, 2018 Page 1 of 1



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine 17461 Derian Ave Suite 100

Irvine, CA 92614-5817 Tel: (949)261-1022

TestAmerica Job ID: 440-209475-1

Client Project/Site: Annual Arroyo Simi-Frontier Park

For:

Haley & Aldrich, Inc. 400 E Van Buren St. Suite 545 Phoenix, Arizona 85004

Attn: Katherine Miller

Ushi Patel

Authorized for release by: 4/24/2018 4:02:09 PM

Urvashi Patel, Manager of Project Management (949)261-1022

urvashi.patel@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Usli fatel

4/24/2018 4:02:09 PM

Manager of Project Management

Urvashi Patel

I certify under penalty of perjury that the information contained in this report and all attachments was produced in accordance with the indicated methods and laboratory standard operating procedures, except as noted, and are complete and accurate to the best of my knowledge and belief. Subcontract laboratory reports that are attached have been evaluated for completeness and quality control acceptability.

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Sample Summary

Client: Haley & Aldrich, Inc. Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-209475-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-209475-1	ArroyoSimi_20180420	Water	04/20/18 09:05	04/20/18 14:50

TestAmerica Irvine

Case Narrative

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-209475-1

Job ID: 440-209475-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-209475-1

Comments

No additional comments.

Receipt

The sample was received on 4/20/2018 2:50 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Biology

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

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Client Sample Results

Client: Haley & Aldrich, Inc.

TestAmerica Job ID: 440-209475-1

Project/Site: Annual Arroyo Simi-Frontier Park

Client Sample ID: ArroyoSimi_20180420 Lab Sample ID: 440-209475-1

Date Collected: 04/20/18 09:05 Matrix: Water

Date Received: 04/20/18 14:50

Method: SM 9221F - E.Coli (Multiple-Tube Fermentation; EC-MUG)

Analyte Result Qualifier RL RL Unit D Prepared Analyzed Dil Fac

 Escherichia coli
 170
 1.8
 1.8
 MPN/100mL
 04/20/18 15:48
 1

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Method Summary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-209475-1

Method	Method Description	Protocol	Laboratory
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)	SM	TAL IRV

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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Lab Chronicle

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

Client Sample ID: ArroyoSimi_20180420

TestAmerica Job ID: 440-209475-1

Lab Sample ID: 440-209475-1

Matrix: Water

Date Collected: 04/20/18 09:05 Date Received: 04/20/18 14:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9221F		1	100 mL	100 mL	472101		ST	TAL IRV
							(Start)	04/20/18 15:48		
							(End)	04/23/18 12:56		

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Association Summary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

TestAmerica Job ID: 440-209475-1

Biology

Analysis Batch: 472101

Lab Sample IDClient Sample IDPrep TypeMatrixMethodPrep Batch440-209475-1ArroyoSimi_20180420Total/NAWaterSM 9221F

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Definitions/Glossary

Client: Haley & Aldrich, Inc.

Project/Site: Annual Arroyo Simi-Frontier Park

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)
Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

TestAmerica Job ID: 440-209475-1

Glossary

RER

RPD TEF

TEQ

RL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control

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Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.

TestAmerica Job ID: 440-209475-1

Project/Site: Annual Arroyo Simi-Frontier Park

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-18

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Sustody
440-209475 Chain of Custody
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Page 1 of 1	ANALYSIS REQUIRED	Comments					Deliver to lab ASAP 8 hr hold time, Need 1x, 10x, 100x dilutions					Turn around Time: (check)	48 Hours	······	Sample Integrity (check) Intact On Ice: Store samples for 6 months. Data Requirements: (check) No Level IV All Level IV X	
											AMPAGE	Date/Time:	Date/Time:		Date/Ime:	
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Y FO			1 in ent# c. its inc.			Bottle #	10					Received E	Received By		Received By	
F CUSTODY FORM		¥	hall be performed Service Agreem Hay & Aldrich, In- ca Laboratories	(lea)	(cell)	Preservative E	Na2S2O3									
F CU		S Frontier Pa	er this CoC shrithin Blanket of between Hand	904.6944	k Dominic 599.0702	Sampling Date/Time	04/20/18					ſ		ာ		
CHAINO	Project:	Boeing-SSFL NPDES Annual Arroyo Simi-Frontier Park	TestAmenca's services under this CoC shall be performed in accordance with the T&Cs within Blanket Service Agreement# 2015-16-TestAmerica by and between Haley & Aldrich, Inc., its subsidianes and affiliates, and TestAmerica Laboratories Inc.	Phone Number: 520.289.8606, 520.904.6944 (cell)	Field Manager: Mark Dominick 978.234.5033, 818.599.0702 (cell)	Sample I.D.	ArroyoSimi-20180420	A. A				9	0	4/20/13 1450	Date/Time."	And the second s
19/2010	-	·····				Cont.	8					Date/Time:	Date	.)	Date	The state of the s
Test America version 7/19/2010	SS.	Haley & Aldrich 5333 Mission Center Road, Suite 300 San Diego, CA 92108	Test America Contact: Urvashi Patel	Project Manager. Katherine Miller	Swith	Container Type	125mL Sterile Poły					`				
neric	ne/Addre	drich on Center	a Contact	nager:	Dan	Sample Matrix	3						10	3	Ã	
Test Ar	Client Name/Address:	Haley & Aldrich 5333 Mission Center F	Test Americ	Project Ma	Sampler: Day Swith	Sample Description	Arroyo Simi					Refinquished By	Relinquished	7	Relinquished By	and the second s

Client: Haley & Aldrich, Inc.

Job Number: 440-209475-1

Login Number: 209475 List Source: TestAmerica Irvine

List Number: 1

Creator: Garcia, Veronica G

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

TestAmerica Irvine

APPENDIX F

First Quarter 2018 Reasonable Potential Analysis (RPA) Tables

REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

Notes:

- 1. The following Reasonable Potential Analysis (RPA) provides the analytical results as performed by the procedures outlined in *Reasonable Potential Analysis Methodology Technical Memo* (MWH and Flow Science, 2006).
- 2. The monitoring data set utilized to conduct the RPA consists of all applicable and relevant data from the present reporting quarter.
- 3. As directed by the CTR and the Regional Water Control Board 2,3,7,8-TCDD (Dioxin) values are to be expressed in NPDES permitting and this RPA as TCDD Total Equivalence units (TEQs). A TCDD TEQ is determined by multiplying each of the seventeen dioxin and furan congeners by their respective toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF) then summing the results of those products. For the purposes of this RPA, the resulting TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 26, of the NPDES Permit Effective April 1, 2015 (Water Board, 2015).
- 4. Data reported with qualifiers (e.g., J [DNQ] or R) are considered estimated or rejected and are not used in this RPA.
- 5. All of the following abbreviations and/or notes may not occur on every table.
- 6. Based on ORDER NO. R4-2015-0033, page E-2, Section I.C, only pollutants which do not have a final effluent limitation in the NPDES permit are included in this RPA analysis.

Definition of Acronyms, Abbreviations, and Terminology Used

>=	Greater than or equal to
*	Freshwater aquatic life criteria for metals are expressed as a function of
	total hardness (mg/L) in the water body. The equations are provided in the CTR, (US EPA, 2011). Values displayed correspond to a total hardness of
	100 mg/l.
μg/L	Concentration units, micrograms per liter
All Data Qualified	All available monitoring data are qualified and no statistical analysis is
	performed.
Annual	The 2015 NPDES Permit requires annual monitoring.
Available Data < DL	All available monitoring data that are not qualified are below detection
	limits.
В	Background
C	Concentration
CCC	Criterion Continuous Concentration
CMC	Criterion Maximum Concentration
CTR	California Toxics Rule
CV	Coefficient of Variation
DL	Detection Limit
EPA TSD	EPA's Technical Support Document for Water Quality Based Toxics
	Control, (see references).
Fibers/L	Units for asbestos concentration, fibers per liter
нн о	Human Health criteria for consumption of Organisms only

REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

Definition of Acronyms, Abbreviations, and Terminology Used (Continued)

HH W&OMEC	Maximum Observed Effluent Concentration
mg/L	Concentration units, milligrams per liter
Min	Minimum
MPN/100ml	Most probable number per 100 milliliters
NA	Not Applicable
Narrative	Water quality criteria are expressed as a narrative objective rather than a numeric objective, and therefore are not part of the statistical RPA calculations.
None	No available CTR or Basin Plan criteria.
pH Dependent	CTR Criteria are based on pH.
Discharge	The 2015 NPDES Permit requires monitoring once per discharge event.
Qualified Data	Data qualifier definitions are: (a) J- The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL), (b) U/UJ- The analyte was not detected in the sample at the detection limit /estimated detection limit (EDL), (c) B - Analyte found in sample and associated blank, and (d) DNQ- Detected Not Quantified.
Reserved	EPA has reserved the CTR criteria.
RPA	Reasonable Potential Analysis
SIP	The State Water Resources Control Board "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California," (see references).
Tot	Total

Priority Pollutant RPA Column Explanation

CTR	Provides CTR constituent reference number.
Constituent	Provides CTR constituent common name.
Units	Provides the data set's concentration units as referenced by 2015 NPDES
	Permit.
MEC	Provides the outfall monitoring group's maximum value from the applicable
	data set.
CV	Equal to the standard deviation divided by the average of the applicable
	data set. If the number of samples is less than 10, the CV is assumed to be
	0.6.
Step 1 identifies all applicable water quality criteria.	
CTR Criteria	Concentration criteria as listed in the CTR.
CMC = Acute	The Freshwater CMC is listed as the acute concentration criterion.
CCC = Chronic	The Freshwater CCC is listed as the chronic concentration criterion.
HH W&O (Not App)	The HH W&O is deemed not applicable based on past Regional Board
	RPAs.
HH O = HH	The HH O is listed as the CTR human health concentration criterion.
Basin Plan Criteria	Applicable Basin Plan Criteria are listed for the Los Angeles River and/or
	Calleguas Creek watersheds.
C = Lowest Criteria	The comparison concentration (C) is equal to the lowest criterion for a
	constituent based on the CMC, CCC, HH O, and Basin Plan Criteria listed.
Step 2 defines the applicable data set.	
Is Effluent Data	If all data is qualified, then NO. If not, then YES.
Available	

REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

Priority Pollutant RPA Column Explanation (Continued)

Step 3 determines the max	ximum observed effluent concentration.
Was Constituent	If the constituent was detected, then YES. If all monitoring data are non-
Detected in Effluent Data	detect or qualified then NO.
Are all Detection Limits	If constituent was detected in effluent data then not applicable (NA). If
>C	constituent was not detected and all analysis detection limits are greater
	than the comparison concentration, then YES, if not then NO.
If DL > C, MEC = Min	If the previous cell answer was yes, then the MEC is equal to the minimum
(DL)	detection limit. If not, then NA.
Step 4 compares the MEC	to the lowest applicable water quality criteria.
MEC >= C	If the MEC is greater than or equal to the comparison concentration then
	YES, if not then NO.

Note: Steps 5 and 6 of the Priority Pollutant RPA do not apply to the Santa Susana Site because the Regional Board gives no consideration for receiving water background constituent concentrations. Furthermore, Boeing defers the application of best professional judgment in Step 7 and final determination of reasonable potential in Step 8 to the Regional Board Staff.

Non-priority Pollutant RPA Column Explanation

Constituent	Provides the Non-Priority Pollutant constituent common name
Monitoring	Provides the 2015 NPDES Permit directed monitoring frequency
Units	Provides the data set's concentration units
Number of Samples	Provides the number of available samples that are not qualified
MEC	Provides the outfall monitoring group's maximum value from the applicable data set
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Multiplier	Utilizes the EPA's TSD calculation to determine multiplier for which the maximum effluent concentration is calculated. (MWH and Flow Science, 2006, or EPA TSD, 1991)
Projected Maximum	Utilizes the product of the multiplier and the MEC as an estimate for the
Effluent Concentration	projected maximum effluent concentration.
Dilution Ratio	The Regional Board allocates no dilution ratio to the Santa Susana Site (NA).
Background Concentration	The Regional Board allocates no background concentration to the Santa Susana Site (NA).
Projected Maximum	The Regional Board estimates the projected maximum receiving water
Receiving Water Concentration	concentration as equal to the projected maximum effluent concentration.
Step 1, Determine Water Quality Objectives	The water quality objective is based on appropriate Basin Plan criteria as noted in the Reasonable Potential Analysis Methodology Technical Memo.
BU – Beneficial Use Protection, NC – Human Non-carcinogen, AP- Aquatic Life Protection,	This is the Regional Board's Basis for determining if reasonable potential should be evaluated for a non-priority pollutant.
TMDL – Total Maximum Daily Load	

Note: Boeing has completed appropriate statistical calculations but defers the application of best professional judgment and the final determination of reasonable potential to the Regional Board Staff.

REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

References:

- 1. Los Angeles Regional Water Quality Control Board, "Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, (Basin Plan)." June 13, 1994.
- 2. MWH and Flow Science, "Reasonable Potential Analysis Methodology Technical Memo- Version 1, Final, Santa Susan Field Laboratory, Ventura County, California." April 28, 2006.
- 3. State Water Resources Control Board, "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, (SIP)" Resolution No. 2005-0019, February 24, 2005.
- 4. US EPA, 40CFR part 131, Water Quality Standards; Establishment of numeric Criteria for Priority Toxic Pollutants for the State of California, (CTR) Federal Registry, 2011, pp. 496 507.
- 5. US EPA, "Technical Support Document for Water Quality-based Toxics Control." EPA/505/2-90-001, PB-91-127415, March 1991.

TABLE F-1 REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011, AND 018)

							Step 1:	Water Quality Criter	ia. Determine	С		Step 2		Step 3		Step 4
							CTR CRI		,							1 0.06
						Fresi	nwater	Human He	alth	1	C = Lowest		Was Constituent	Are all	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Basin Plan	Criteria	Data Available	Detected in Effluent Data	Detection Limits > C	MEC = Min (DL)	MEC >= C
1, 2, 11, 18	15	Asbestos	Fibers/L	Not Analyzed	0.6	NONE	NONE	7,000,000	NONE	7,000,000	7,000,000	No	NA	NA	NA	NA
1, 2, 11, 18	17	Acrolein	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>320</td><td>780</td><td>NONE</td><td>780</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
1, 2, 11, 18	18	Acrylonitrile	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.059</td><td>0.66</td><td>NONE</td><td>0.66</td><td>Yes</td><td>No</td><td>Yes</td><td>0.66</td><td>No</td></dl<>	0.6	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	0.66	No
1, 2, 11, 18	19	Benzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>1.2</td><td>71</td><td>1</td><td>1</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
1, 2, 11, 18	20	Bromoform	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>4.3</td><td>360</td><td>NONE</td><td>360</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
1, 2, 11, 18	21	Carbon Tetrachloride	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.25</td><td>4.4</td><td>0.5</td><td>0.5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	22	Chlorobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>680</td><td>21,000</td><td>70</td><td>70</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
1, 2, 11, 18	23	Dibromochloromethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.401</td><td>34</td><td>NONE</td><td>34</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
1, 2, 11, 18	24	Chloroethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	25	2-Chloroethyl vinyl ether	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	26	Chloroform (Trichloromethane)	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>Reserved</td><td>Reserved</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	27	Chlorodibromomethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.56</td><td>46</td><td>NONE</td><td>46</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.56	46	NONE	46	Yes	No	No	NA	No
1, 2, 11, 18	28	1,1-Dichloroethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>5</td><td>5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
1, 2, 11, 18	31	1,2-Dichloropropane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.52</td><td>39</td><td>5</td><td>5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
1, 2, 11, 18	32	cis-1,3-Dichloropropene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>10</td><td>1,700</td><td>0.5</td><td>0.5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	32a	trans-1,3-Dichloropropene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>10</td><td>1,700</td><td>0.5</td><td>0.5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	33	Ethylbenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>3,100</td><td>29,000</td><td>700</td><td>700</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
1, 2, 11, 18	34	Bromomethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>48</td><td>4,000</td><td>NONE</td><td>4,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	48	4,000	NONE	4,000	Yes	No	No	NA	No
1, 2, 11, 18	35	Chloromethane (Methyl Chloride)	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>Narrative</td><td>Narrative</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	36	Methylene chloride	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>4.7</td><td>1,600</td><td>NONE</td><td>1,600</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	4.7	1,600	NONE	1,600	Yes	No	No	NA	No
1, 2, 11, 18	37	1,1,2,2-Tetrachloroethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.17</td><td>11</td><td>1</td><td>1</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
1, 2, 11, 18	38	Tetrachloroethene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.8</td><td>8.85</td><td>5</td><td>5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
1, 2, 11, 18	39	Toluene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>6,800</td><td>200,000</td><td>150</td><td>150</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA	No
1, 2, 11, 18	40	trans-1,2-Dichloroethene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>700</td><td>140,000</td><td>10</td><td>10</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	700	140,000	10	10	Yes	No	No	NA	No
1, 2, 11, 18		1,1,1-Trichloroethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>Narrative</td><td>Narrative</td><td>200</td><td>200</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
1, 2, 11, 18		1,1,2-Trichloroethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.60</td><td>42</td><td>5</td><td>5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.60	42	5	5	Yes	No	No	NA	No
1, 2, 11, 18		Vinyl chloride	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>2</td><td>525</td><td>0.5</td><td>0.5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18		2-Chlorophenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>120</td><td>400</td><td>NONE</td><td>400</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
1, 2, 11, 18		2,4-Dichlorophenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>93</td><td>790</td><td>NONE</td><td>790</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
1, 2, 11, 18		2,4-Dimethylphenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>540</td><td>2,300</td><td>NONE</td><td>2,300</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	540	2,300	NONE	2,300	Yes	No	No	NA	No
1, 2, 11, 18		2-Methyl-4,6-dinitrophenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>13.4</td><td>765</td><td>NONE</td><td>765</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
1, 2, 11, 18		2,4-Dinitrophenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>70</td><td>14,000</td><td>NONE</td><td>14,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	70	14,000	NONE	14,000	Yes	No	No	NA	No
1, 2, 11, 18	50	2-Nitrophenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	51	4-Nitrophenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	52	4-Chloro-3-methylphenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18		Phenol	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>21,000</td><td>4,600,000</td><td>NONE</td><td>4,600,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	21,000	4,600,000	NONE	4,600,000	Yes	No	No	NA	No
		Acenaphthene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>1,200</td><td>2,700</td><td>NONE</td><td>2,700</td><td>Yes</td><td>No</td><td>No</td><td>NA NA</td><td>No</td></dl<>	0.6	NONE	NONE	1,200	2,700	NONE	2,700	Yes	No	No	NA NA	No
		Acenaphthylene	µg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA NA	No
1, 2, 11, 18		Anthracene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>9,600</td><td>110,000</td><td>NONE</td><td>110,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	9,600	110,000	NONE	110,000	Yes	No	No	NA	No
1, 2, 11, 18		Benzidine	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.00012</td><td>0.00054</td><td>NONE</td><td>0.00054</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00054</td><td>No</td></dl<>	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	0.00054	No
1, 2, 11, 18		Benzo(a)Anthracene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>NONE</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18		Benzo(a)Pyrene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>0.2</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	0.2	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18		Benzo(b)Fluoranthene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>NONE</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18		Benzo(g,h,i)Perylene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA 0.040</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA 0.040	No
1, 2, 11, 18		Benzo(k)Fluoranthene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>NONE</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18		Bis (2-Chloroethoxy) methane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No No</td><td>NA NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No No	NA NA	No
1, 2, 11, 18		Bis (2-Chloroethyl) ether	µg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0310</td><td>1.4</td><td>NONE</td><td>1.4</td><td>Yes</td><td>No</td><td>No</td><td>NA NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.0310	1.4	NONE	1.4	Yes	No	No	NA NA	No
1, 2, 11, 18	6/	Bis (2-Chloroisopropyl) Ether	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>1,400</td><td>170,000</td><td>NONE</td><td>170,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	1,400	170,000	NONE	170,000	Yes	No	No	NA	No

TABLE F-1 REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011, AND 018)

							Step 1:	Water Quality Criter	ia, Determine	С		Step 2		Step 3		Step 4
							CTR CRI	TERIA				le Effluent	Was Constituent	Are all		
						Fresh	nwater	Human He	alth	Basin Plan	C = Lowest	_	Detected in		If $DL > C$,	MEC >= C
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Basin Plan	Criteria	Data Available	Effluent Data	Detection Limits > C	MEC = Min (DL)	IVIEC >= C
1, 2, 11, 18	69	4-Bromophenyl phenyl ether	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	70	Butyl benzylphthalate	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>3,000</td><td>5,200</td><td>NONE</td><td>5,200</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	3,000	5,200	NONE	5,200	Yes	No	No	NA	No
1, 2, 11, 18	71	2-Chloronaphthalene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>1,700</td><td>4,300</td><td>NONE</td><td>4,300</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	1,700	4,300	NONE	4,300	Yes	No	No	NA	No
1, 2, 11, 18	72	4-Chlorophenyl phenyl ether	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18		Chrysene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>NONE</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18	74	Dibenz(a,h)anthracene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>NONE</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18	75	1,2-Dichlorobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>2,700</td><td>17,000</td><td>600</td><td>600</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No
1, 2, 11, 18		1,3-Dichlorobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>400</td><td>2,600</td><td>NONE</td><td>2,600</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	400	2,600	NONE	2,600	Yes	No	No	NA	No
1, 2, 11, 18		1,4-Dichlorobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>400</td><td>2,600</td><td>5</td><td>5</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No
1, 2, 11, 18	78	3,3'-Dichlorobenzidine	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.04</td><td>0.077</td><td>NONE</td><td>0.077</td><td>Yes</td><td>No</td><td>Yes</td><td>0.077</td><td>No</td></dl<>	0.6	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	0.077	No
1, 2, 11, 18		Diethyl phthalate	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>23,000</td><td>120,000</td><td>NONE</td><td>120,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	23,000	120,000	NONE	120,000	Yes	No	No	NA	No
1, 2, 11, 18		Dimethyl phthalate	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>313,000</td><td>2,900,000</td><td>NONE</td><td>2,900,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	313,000	2,900,000	NONE	2,900,000	Yes	No	No	NA	No
1, 2, 11, 18		Di-n-butyl phthalate	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>2,700</td><td>12,000</td><td>NONE</td><td>12,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	2,700	12,000	NONE	12,000	Yes	No	No	NA	No
1, 2, 11, 18		2,6-Dinitrotoluene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	_	Di-n-octyl phthalate	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18		1,2-Diphenylhydrazine/Azobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.040</td><td>0.54</td><td>NONE</td><td>0.54</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.040	0.54	NONE	0.54	Yes	No	No	NA	No
1, 2, 11, 18		Fluoranthene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>300</td><td>370</td><td>NONE</td><td>370</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No
1, 2, 11, 18		Fluorene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>1,300</td><td>14,000</td><td>NONE</td><td>14,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	1,300	14,000	NONE	14,000	Yes	No	No	NA	No
1, 2, 11, 18		Hexachlorobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.00075</td><td>0.00077</td><td>1</td><td>0.00077</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00077</td><td>No</td></dl<>	0.6	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.00077	No
1, 2, 11, 18	89	Hexachlorobutadiene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.44</td><td>50</td><td>NONE</td><td>50</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No
1, 2, 11, 18		Hexachlorocyclopentadiene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>240</td><td>17,000</td><td>50</td><td>50</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	240	17,000	50	50	Yes	No	No	NA	No
1, 2, 11, 18	91	Hexachloroethane	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>1.9</td><td>8.9</td><td>NONE</td><td>8.9</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No
1, 2, 11, 18	92	Indeno(1,2,3-cd)Pyrene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.0044</td><td>0.049</td><td>NONE</td><td>0.049</td><td>Yes</td><td>No</td><td>Yes</td><td>0.049</td><td>No</td></dl<>	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
1, 2, 11, 18	93	Isophorone	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>8.4</td><td>600</td><td>NONE</td><td>600</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No
1, 2, 11, 18		Naphthalene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18	95	Nitrobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>17</td><td>1,900</td><td>NONE</td><td>1,900</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	17	1,900	NONE	1,900	Yes	No	No	NA	No
1, 2, 11, 18		n-Nitroso-di-n-propylamine	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.005</td><td>1.4</td><td>NONE</td><td>1.4</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	No	NA	No
1, 2, 11, 18	98	N-Nitrosodiphenylamine	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>5.0</td><td>16</td><td>NONE</td><td>16</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	5.0	16	NONE	16	Yes	No	No	NA	No
1, 2, 11, 18		Phenanthrene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
1, 2, 11, 18		Pyrene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>960</td><td>11,000</td><td>NONE</td><td>11,000</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	960	11,000	NONE	11,000	Yes	No	No	NA	No
1, 2, 11, 18		1,2,4-Trichlorobenzene	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>70</td><td>70</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No
1, 2, 11, 18		Aldrin	μg/L	Available Data <dl< td=""><td>0.6</td><td>3</td><td>NONE</td><td>0.00013</td><td>0.00014</td><td>NONE</td><td>0.00014</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00014</td><td>No</td></dl<>	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
1, 2, 11, 18		beta-BHC	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.014</td><td>0.046</td><td>NONE</td><td>0.046</td><td>Yes</td><td>No</td><td>No</td><td>NA NA</td><td>No</td></dl<>	0.6	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA NA	No
1, 2, 11, 18			μg/L	Available Data <dl< td=""><td>0.6</td><td>0.95</td><td>NONE</td><td>0.019</td><td>0.063</td><td>0.2</td><td>0.063</td><td>Yes</td><td>No</td><td>No</td><td>NA</td><td>No</td></dl<>	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
1, 2, 11, 18		delta-BHC	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>NONE</td><td>Yes</td><td>No</td><td>No</td><td>NA 0.000F0</td><td>No</td></dl<>	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA 0.000F0	No
1, 2, 11, 18		Chlordane	μg/L	Available Data <dl< td=""><td>0.6</td><td>2.4</td><td>0.0043</td><td>0.00057</td><td>0.00059</td><td>0.1</td><td>0.00059</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00059</td><td>No</td></dl<>	0.6	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.00059	No
1, 2, 11, 18		4,4'-DDT	μg/L	Available Data <dl< td=""><td>0.6</td><td>1.1</td><td>0.001</td><td>0.00059</td><td>0.00059</td><td>NONE</td><td>0.00059</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00059</td><td>No</td></dl<>	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
1, 2, 11, 18		4,4'-DDE	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>NONE</td><td>0.00059</td><td>0.00059</td><td>NONE</td><td>0.00059</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00059</td><td>No</td></dl<>	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
1, 2, 11, 18		4,4'-DDD Dieldrin	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE 0.24</td><td>NONE</td><td>0.00083</td><td>0.00084</td><td>NONE</td><td>0.00084</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00084</td><td>No No</td></dl<>	0.6	NONE 0.24	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.00084	No No
			μg/L	Available Data <dl< td=""><td>0.6</td><td>0.24 0.22</td><td>0.056 0.056</td><td>0.00014</td><td>0.00014</td><td>NONE NONE</td><td>0.00014</td><td>Yes</td><td>No</td><td>Yes No</td><td>0.00014 NA</td><td>No No</td></dl<>	0.6	0.24 0.22	0.056 0.056	0.00014	0.00014	NONE NONE	0.00014	Yes	No	Yes No	0.00014 NA	No No
1, 2, 11, 18		alpha-Endosulfan	μg/L	Available Data <dl <dl<="" available="" data="" td=""><td>0.6 0.6</td><td>0.22</td><td>0.056</td><td>110</td><td>240 240</td><td>NONE</td><td>0.056</td><td>Yes</td><td>No No</td><td></td><td>NA NA</td><td>No No</td></dl>	0.6 0.6	0.22	0.056	110	240 240	NONE	0.056	Yes	No No		NA NA	No No
1, 2, 11, 18		beta-Endosulfan Endosulfan Sulfate	μg/L					110			0.056	Yes	No No	No No		
1, 2, 11, 18			μg/L	Available Data <dl< td=""><td>0.6 0.6</td><td>0.086</td><td>0.036</td><td>110 0.76</td><td>240 0.81</td><td>NONE</td><td>240 0.036</td><td>Yes Yes</td><td>No No</td><td>No No</td><td>NA NA</td><td>No No</td></dl<>	0.6 0.6	0.086	0.036	110 0.76	240 0.81	NONE	240 0.036	Yes Yes	No No	No No	NA NA	No No
1, 2, 11, 18		Endrin	μg/L	Available Data <dl< td=""><td></td><td></td><td>NONE</td><td>0.76</td><td>0.81</td><td>2 NONE</td><td>0.036</td><td></td><td></td><td>No No</td><td>NA NA</td><td>No No</td></dl<>			NONE	0.76	0.81	2 NONE	0.036			No No	NA NA	No No
1, 2, 11, 18		Endrin Aldehyde Heptachlor	μg/L	Available Data <dl <dl<="" available="" data="" td=""><td>0.6 0.6</td><td>0.52</td><td>0.0038</td><td>0.76</td><td>0.00021</td><td></td><td>0.00021</td><td>Yes Yes</td><td>No No</td><td>Yes</td><td>0.00021</td><td>No No</td></dl>	0.6 0.6	0.52	0.0038	0.76	0.00021		0.00021	Yes Yes	No No	Yes	0.00021	No No
1, 2, 11, 18 1, 2, 11, 18		Heptachlor Epoxide	μg/L μg/L	Available Data <dl <dl<="" available="" data="" td=""><td>0.6</td><td>0.52</td><td>0.0038</td><td>0.00021</td><td>0.00021</td><td>0.01 0.01</td><td>0.00021</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00021</td><td>No</td></dl>	0.6	0.52	0.0038	0.00021	0.00021	0.01 0.01	0.00021	Yes	No	Yes	0.00021	No
			10	Available Data <dl <dl<="" available="" data="" td=""><td></td><td>NONE</td><td></td><td>0.00010</td><td></td><td>0.01</td><td></td><td></td><td></td><td></td><td></td><td></td></dl>		NONE		0.00010		0.01						
1, 2, 11, 18	119	Aroclor 1016	μg/L	Avaliable Dala <dl< td=""><td>0.6</td><td>INUINE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	INUINE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No

TABLE F-1 REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011, AND 018)

							Step 1:	Water Quality Criter	ia, Determine	С		Step 2		Step 3		Step 4
							CTR CRI	TERIA				le Effluent	Was Constituent	Are all		
						Fresh	water	Human He	alth	Basin Plan	C = Lowest	Data			If DL > C,	MEC >= C
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH		Criteria	Available	Effluent Data	Limits > C	MEC = Min (DL)	WILC >= C
1, 2, 11, 18	120	Aroclor 1221	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
1, 2, 11, 18	121	Aroclor 1232	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
1, 2, 11, 18	122	Aroclor 1242	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
1, 2, 11, 18	123	Aroclor 1248	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
1, 2, 11, 18	124	Aroclor 1254	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
1, 2, 11, 18	125	Aroclor 1260	μg/L	Available Data <dl< td=""><td>0.6</td><td>NONE</td><td>0.014</td><td>0.00017</td><td>0.00017</td><td>0.5</td><td>0.00017</td><td>Yes</td><td>No</td><td>Yes</td><td>0.00017</td><td>No</td></dl<>	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
1, 2, 11, 18	126	Toxaphene	μg/L	Available Data <dl< td=""><td>0.6</td><td>0.73</td><td>0.0002</td><td>0.00073</td><td>0.00075</td><td>3</td><td>0.0002</td><td>Yes</td><td>No</td><td>Yes</td><td>0.0002</td><td>No</td></dl<>	0.6	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.0002	No
1, 2, 11, 18	127	E. Coli	MPN/100ml	280	0.6	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	Yes

TABLE F-2 REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)

							Step 1:	Water Quality Criter	ia, Determine	С		Step 2		Step 3		Step 4
							CTR CRI	TERIA				ls Effluent	Was Constituent	Are all		
Outfall	CTD	Constituent	Units	MEC	cv	Fresi CMC = Acute	nwater	Human He		Basin Plan	C = Lowest Criteria	Data Available	Detected in Effluent Data	Detection Limits > C	If DL > C, MEC = Min (DL)	MEC >= C
				_	_											
3-7, 9, 10	2	Arsenic	μg/L	Available Data < DL	0.6	340	150	NONE	NONE	50	50	Yes	No	No	NA	No
3-7, 9, 10		Beryllium	μg/L	Available Data < DL	0.6	NONE	NONE	Narrative	Narrative	4	4	Yes	No	No	NA	No
3-7, 9, 10	5a	Chromium	μg/L	Available Data < DL	0.6	550	180	Narrative	Narrative	50	50	Yes	No	No	NA	No
3-7, 9, 10	5b	Chromium VI (Hexavalent)	μg/L	Available Data < DL	0.6	16	11	Narrative	Narrative	NONE	11	Yes	No	No	NA	No
3-7, 9, 10	10	Selenium	μg/L	Available Data < DL	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No
3-7, 9, 10	11	Silver	μg/L	Available Data < DL	0.6	3.4	NONE	NONE	NONE	NONE	3.4	Yes	No	No	NA	No
3-7, 9, 10	15	Asbestos	Fibers/L	Not Analyzed	0.6	NONE	NONE	7,000,000	NONE	7,000,000	7000000	No	NA	NA	NA	NA
3-7, 9, 10	17	Acrolein	μg/L	Available Data < DL	0.6	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
3-7, 9, 10	18	Acrylonitrile	μg/L	Available Data < DL	0.6	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	0.66	No
3-7, 9, 10	19	Benzene	μg/L	Available Data < DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
3-7, 9, 10		Bromoform	μg/L	Available Data < DL	0.6	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
3-7, 9, 10	21	Carbon Tetrachloride	μg/L	Available Data < DL	0.6	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10		Chlorobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
3-7, 9, 10	23	Dibromochloromethane	μg/L	Available Data < DL	0.6	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
3-7, 9, 10		Chloroethane	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10 3-7, 9, 10		2-Chloroethyl vinyl ether Chloroform	μg/L	Available Data < DL Available Data < DL	0.6 0.6	NONE NONE	NONE NONE	NONE Reserved	NONE	NONE NONE	NONE NONE	Yes Yes	No No	No No	NA NA	No No
3-7, 9, 10	27	Chlorodibromomethane	μg/L μg/L	Available Data < DL	0.6	NONE	NONE	0.56	Reserved 46	NONE	46	Yes	No	No	NA NA	No
3-7, 9, 10	28	1,1-Dichloroethane	μg/L μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA NA	No
3-7, 9, 10	29	1,2-Dichloroethane	µg/L	Available Data < DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA NA	No
3-7, 9, 10		1,1-Dichloroethene	μg/L	Available Data < DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
3-7, 9, 10	31	1,2-Dichloropropane	μg/L	Available Data < DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
3-7, 9, 10	32	cis-1,3-Dichloropropene	μg/L	Available Data < DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	32a	trans-1,3-Dichloropropene	μg/L	Available Data < DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10		Ethylbenzene	μg/L	Available Data < DL	0.6	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
3-7, 9, 10	34	Bromomethane	μg/L	Available Data < DL	0.6	NONE	NONE	48	4,000	NONE	4000	Yes	No	No	NA	No
3-7, 9, 10		Chloromethane (Methyl Chloride)	μg/L	Available Data < DL	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	36	Methylene chloride 1,1,2,2-Tetrachloroethane	μg/L	Available Data < DL	0.6	NONE	NONE	4.7	1,600 11	NONE	1600	Yes	No No	No	NA NA	No
3-7, 9, 10 3-7, 9, 10	37 38	Tetrachloroethene	μg/L μg/L	Available Data < DL Available Data < DL	0.6 0.6	NONE NONE	NONE NONE	0.17 0.8	8.85	5	5	Yes Yes	No	No No	NA NA	No No
3-7, 9, 10	39	Toluene	μg/L μg/L	Available Data < DL	0.6	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA NA	No
3-7, 9, 10	40	trans-1,2-Dichloroethene	μg/L	Available Data < DL	0.6	NONE	NONE	700	140,000	10	10	Yes	No	No	NA NA	No
3-7, 9, 10		1,1,1-Trichloroethane	μg/L	Available Data < DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
3-7, 9, 10		1,1,2-Trichloroethane	μg/L	Available Data < DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
3-7, 9, 10	43	Trichloroethene	μg/L	Available Data < DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
3-7, 9, 10		Vinyl chloride	μg/L	Available Data < DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	45	2-Chlorophenol	μg/L	Available Data < DL	0.6	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
3-7, 9, 10	46	2,4-Dichlorophenol	μg/L	Available Data < DL	0.6	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
3-7, 9, 10	47	2,4-Dimethylphenol	μg/L	Available Data < DL	0.6	NONE	NONE	540	2,300	NONE	2300	Yes	No	No	NA	No
3-7, 9, 10		2-Methyl-4,6-dinitrophenol	μg/L	Available Data < DL	0.6	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
3-7, 9, 10		2,4-Dinitrophenol	μg/L	Available Data < DL	0.6	NONE	NONE	70	14,000	NONE	14000	Yes	No	No	NA	No
3-7, 9, 10		2-Nitrophenol	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA NA	No
		'	1													+
3-7, 9, 10		4-Nitrophenol	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	52	4-Chloro-3-methylphenol	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	53	Pentachlorophenol	μg/L	Available Data < DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	No	NA	No

TABLE F-2 REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)

							Step 1:	Water Quality Criter	ia, Determine	С		Step 2		Step 3		Step 4
							CTR CRI					ls Effluent	Was Constituent	Are all		
	I	T	Γ			Fres	hwater	Human He	ealth I	Basin Plan	C = Lowest	Data	Detected in	Detection	If DL > C, MEC = Min (DL)	MEC >= C
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH		Criteria	Available	Effluent Data	Limits > C	MEC = MIN (DL)	!
3-7, 9, 10	54	Phenol	μg/L	Available Data < DL	0.6	NONE	NONE	21,000	4,600,000	NONE	4600000	Yes	No	No	NA	No
3-7, 9, 10	55	2,4,6-Trichlorophenol	μg/L	Available Data < DL	0.6	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	No	NA	No
3-7, 9, 10	56	Acenaphthene	μg/L	Available Data < DL	0.6	NONE	NONE	1,200	2,700	NONE	2700	Yes	No	No	NA	No
3-7, 9, 10	57	Acenaphthylene	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	58	Anthracene	μg/L	Available Data < DL	0.6	NONE	NONE	9,600	110,000	NONE	110000	Yes	No	No	NA	No
3-7, 9, 10	59	Benzidine	μg/L	Available Data < DL	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	0.00054	No
3-7, 9, 10	60	Benzo(a)Anthracene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10	61	Benzo(a)Pyrene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	0.2	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10	62	Benzo(b)Fluoranthene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10	63	Benzo(g,h,i)Perylene	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	64	Benzo(k)Fluoranthene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10	65	Bis (2-Chloroethoxy) methane	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	66	Bis (2-Chloroethyl) ether	μg/L	Available Data < DL	0.6	NONE	NONE	0.031	1.4	NONE	1.4	Yes	No	No	NA	No
3-7, 9, 10	67	Bis (2-Chloroisopropyl) Ether	μg/L	Available Data < DL	0.6	NONE	NONE	1,400	170,000	NONE	170000	Yes	No	No	NA	No
3-7, 9, 10	68	Bis (2-ethylhexyl) Phthalate	μg/L	Available Data < DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
3-7, 9, 10	69	4-Bromophenyl phenyl ether	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	70	Butyl benzylphthalate	μg/L	Available Data < DL	0.6	NONE	NONE	3,000	5,200	NONE	5200	Yes	No	No	NA	No
3-7, 9, 10	71	2-Chloronaphthalene	μg/L	Available Data < DL	0.6	NONE	NONE	1,700	4,300	NONE	4300	Yes	No	No	NA	No
3-7, 9, 10	72	4-Chlorophenyl phenyl ether	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	73	Chrysene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10	74	Dibenz(a,h)anthracene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10	75	1,2-Dichlorobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No
3-7, 9, 10	76	1,3-Dichlorobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	400	2,600	NONE	2600	Yes	No	No	NA	No
3-7, 9, 10	77	1,4-Dichlorobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No
3-7, 9, 10	78	3,3'-Dichlorobenzidine	μg/L	Available Data < DL	0.6	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	0.077	No
3-7, 9, 10	79	Diethyl phthalate	μg/L	Available Data < DL	0.6	NONE	NONE	23,000	120,000	NONE	120000	Yes	No	No	NA	No
3-7, 9, 10	80	Dimethyl phthalate	μg/L	Available Data < DL	0.6	NONE	NONE	313,000	2,900,000	NONE	2900000	Yes	No	No	NA	No
3-7, 9, 10	81	Di-n-butyl phthalate	μg/L	Available Data < DL	0.6	NONE	NONE	2,700	12,000	NONE	12000	Yes	No	No	NA	No
3-7, 9, 10	82	2,4-Dinitrotoluene	μg/L	Available Data < DL	0.6	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	No	NA	No
3-7, 9, 10	83	2,6-Dinitrotoluene	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	84	Di-n-octyl phthalate	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	85	1,2-Diphenylhydrazine/Azobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	0.04	0.54	NONE	0.54	Yes	No	No	NA	No
3-7, 9, 10	86	Fluoranthene	μg/L	Available Data < DL	0.6	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No
3-7, 9, 10	87	Fluorene	μg/L	Available Data < DL	0.6	NONE	NONE	1,300	14,000	NONE	14000	Yes	No	No	NA	No
3-7, 9, 10	88	Hexachlorobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.00077	No
3-7, 9, 10	1	Hexachlorobutadiene	μg/L	Available Data < DL	0.6	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No
3-7, 9, 10	_	Hexachlorocyclopentadiene	μg/L	Available Data < DL	0.6	NONE	NONE	240	17,000	50	50	Yes	No	No	NA	No
3-7, 9, 10	_	Hexachloroethane	μg/L	Available Data < DL	0.6	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No
3-7, 9, 10	_	Indeno(1,2,3-cd)Pyrene	μg/L	Available Data < DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
3-7, 9, 10		Isophorone	μg/L	Available Data < DL	0.6	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No

TABLE F-2 REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)

							Step 1:	Water Quality Criter	ia, Determine	С		Step 2		Step 3		Step 4
							CTR CRI					Is Effluent	Was Constituent	Are all		
		1		T		Fresi	nwater	Human He	alth	Basin Plan	C = Lowest	Data	Detected in	Detection	If DL > C,	MEC >= C
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH		Criteria	Available	Effluent Data	Limits > C	MEC = Min (DL)	
3-7, 9, 10	94	Naphthalene	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	95	Nitrobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	17	1,900	NONE	1900	Yes	No	No	NA	No
3-7, 9, 10	96	N-Nitrosodimethylamine	μg/L	Available Data < DL	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	No	NA	No
3-7, 9, 10	97	n-Nitroso-di-n-propylamine	μg/L	Available Data < DL	0.6	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	No	NA	No
3-7, 9, 10	98	N-Nitrosodiphenylamine	μg/L	Available Data < DL	0.6	NONE	NONE	5	16	NONE	16	Yes	No	No	NA	No
3-7, 9, 10	99	Phenanthrene	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	100	Pyrene	μg/L	Available Data < DL	0.6	NONE	NONE	960	11,000	NONE	11000	Yes	No	No	NA	No
3-7, 9, 10	101	1,2,4-Trichlorobenzene	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No
3-7, 9, 10	102	Aldrin	μg/L	Available Data < DL	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
3-7, 9, 10	103	alpha-BHC	μg/L	Available Data < DL	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	No	NA	No
3-7, 9, 10	104	beta-BHC	μg/L	Available Data < DL	0.6	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA	No
3-7, 9, 10	105	gamma-BHC (Lindane)	μg/L	Available Data < DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
3-7, 9, 10	106	delta-BHC	μg/L	Available Data < DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
3-7, 9, 10	107	Chlordane	μg/L	Available Data < DL	0.6	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.00059	No
3-7, 9, 10	108	4,4'-DDT	μg/L	Available Data < DL	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
3-7, 9, 10	109	4,4'-DDE	μg/L	Available Data < DL	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.00059	No
3-7, 9, 10	110	4,4'-DDD	μg/L	Available Data < DL	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.00084	No
3-7, 9, 10	111	Dieldrin	μg/L	Available Data < DL	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.00014	No
3-7, 9, 10	112	alpha-Endosulfan	μg/L	Available Data < DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
3-7, 9, 10	113	beta-Endosulfan	μg/L	Available Data < DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
3-7, 9, 10	114	Endosulfan Sulfate	μg/L	Available Data < DL	0.6	NONE	NONE	110	240	NONE	240	Yes	No	No	NA	No
3-7, 9, 10	115	Endrin	μg/L	Available Data < DL	0.6	0.086	0.036	0.76	0.81	2	0.036	Yes	No	No	NA	No
3-7, 9, 10	116	Endrin Aldehyde	μg/L	Available Data < DL	0.6	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	No	NA	No
3-7, 9, 10	117	Heptachlor	μg/L	Available Data < DL	0.6	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.00021	No
3-7, 9, 10	118	Heptachlor Epoxide	μg/L	Available Data < DL	0.6	0.52	0.0038	0.0001	0.00011	0.01	0.00011	Yes	No	Yes	0.00011	No
3-7, 9, 10	119	Aroclor 1016	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	120	Aroclor 1221	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	121	Aroclor 1232	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	122	Aroclor 1242	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	123	Aroclor 1248	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	124	Aroclor 1254	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	125	Aroclor 1260	μg/L	Available Data < DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.00017	No
3-7, 9, 10	126	Toxaphene	μg/L	Available Data < DL	0.6	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.0002	No
3-7, 9, 10	127	E. Coli	MPN/100ml	390	0.6	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	Yes

TABLE F-3 REASONABLE POTENTIAL ANALYSIS - NONPRIORITY POLLUTANTS (OUTFALLS 003-007,009, AND 010)

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	cv	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection TMDL-Total Maximum Daily Load
3-7, 9, 10	Total Suspended Solids	Annual	mg/L	1	9.0	0.6	13.20	118.77	NA	NA	118.77	45	BŪ



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: 4040



West Sacramento, CA 95605 Issue Date: 1/30/2017 Expiration Date: 1/29/2018

As of 1/30/2017 this list supercodes all provious lists for this cortificate number

Solid	Solids	EPA 8330A	6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)		
Section Sect			5015			
9522			6485			
### PA 8330B FDX (hexahydro-1,3,5-trinitro-1,3,5-trinitro-1,3,5-trinitro-1,3,5-trinitros-1,3,5-trinitros-1,3,5-hexahydrotriazine (TNX) False			9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-	10	
EPA 8330B 10308006			9558		CWA	
Sales			9432		~//	1.
hexalhydrotriazine (TNX)		EPA 8330B	4		10308006	Nitroaromatics, Nitramines and Nitrate Esters by High Performance Liquid Chromatography (HPLC)
6160 1,3-Dinitrobenzene (1,3-DNB) 9651 2,4,6-Trnitrotoluene (2,4,6-TNT) 6185 2,4-Dinitrotoluene (2,4,6-TNT) 6190 2,6-Dinitrotoluene (2,6-DNT) 9303 2-Amino-4,6-dinitrotoluene (2-am-dnt) 9507 2-Nitrotoluene 6150 3,5-Dinitroaniline 9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetry) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5-7-letranitro-1,3,5-7- tetrazocine (HNX) 9588 Pentaerythritoltetranitrate (PETN) 1899 Perior Acid (2,4,6-Trnintrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D Determination of Inorganic Anion Inorchromatography		1	6887			100
9651 2,4,6-Trinitrotoluene (2,4-6-TNT) 6195 2,4-Dinitrotoluene (2,24-DNT) 6190 2,6-Dinitrotoluene (2,6-DNT) 9303 2-Amino-4,6-dinitrotoluene (2-am-dnt) 9507 2-Nitrotoluene 6150 3,5-Dinitroaniline 9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9514 4-Mitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 9418 Nitrotoluene 645 Nitroglycerin 9522 Octahydro-1,3,5,7-letranitro-1,3,5,7- tetrazocine (HNX) 9558 Pentaerythritoltetranitrate (PETN) Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D Determination of Inorganic Anion Inor Chromatography Determination of Inorganic Anion Inor Chromatography			6885	1,3,5-Trinitrobenzene (1,3,5-TNB)		
6185			6160	1,3-Dinitrobenzene (1,3-DNB)		
6190 2,6-Dinitrotoluene (2,6-DNT) 9303 2-Amino-4,6-dinitrotoluene (2-am-dnt) 9507 2-Nitrotoluene 6150 3,5-Dinitroaniline 9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitroblenee 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-letranitro-1,3,5,7- tetrazocine (HMX) 9538 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D PH EPA 90450 Determination of Inorganic Anion Inorderaphy			9651	2,4,6-Trinitrotoluene (2,4,6-TNT)		
9303 2-Amino-4,6-dinitrotoluene (2-am-dnt) 9507 2-Nitrotoluene 6150 3,5-Dinitroaniline 9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (letryl) 5015 Nitrodenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9538 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D 1900 pH EPA 9056 Determination of Inorganic Anion lon Chromatography			6185	2,4-Dinitrotoluene (2,4-DNT)		
9507 2-Nitrotoluene 6150 3,5-Dinitroaniline 9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (letryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 1900 pH EPA 9045D 1900 pH EPA 9045D Determination of Inorganic Anion lon Chromatography			6190	2,6-Dinitrotoluene (2,6-DNT)		
6150 3.5-Dinitroaniline 9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5-triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (letryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5-			9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)		
9510 3-Nitrotoluene 9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitrobenzene Nitroplezene Nitroplezene 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritotletranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography			9507	2-Nitrotoluene		
9306 4-Amino-2,6-dinitrotoluene (4-am-dnt) 9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine ((MNX)) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5-7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D 1900 pH EPA 9045D 10244607 Soil and Waste pH EPA 9056 Determination of Inorganic Anion Ino Chromatography			6150	3,5-Dinitroaniline		
9513 4-Nitrotoluene 9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D 5 201 and Waste pH 1900 pH EPA 9056 Determination of Inorganic Anion Ion Chromatography			9510	3-Nitrotoluene		
9416 Hexahydro-1,3-dinitroso-5-nitro-1,3,5- triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 Determination of Inorganic Anion Ion Chromatography			9306	4-Amino-2,6-dinitrotoluene (4-am-dnt)		
triazine (DNX) 9418 Hexahydro-1-nitroso-3,5-dinitro-1,3,5- triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH EPA 9045D pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography			9513	4-Nitrotoluene		
triazine (MNX) 6415 Methyl-2,4,6-trinitrophenylnitramine (tetryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056		1	9416			1
(tetryl) 5015 Nitrobenzene 6485 Nitroglycerin 9522 Oetahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography		1	9418			0
Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography		70.7	6415		-(14
9522 Octahydro-1,3,5,7-tetranitro-1,3,5,7- tetrazocine (HMX) 9558 Pentaerythritoltetranitrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5- triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography			5015	Nitrobenzene	. 00	
tetrazocine (HMX) 9558 Pentaerythritoltetranifrate (PETN) 1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography			6485	Nitroglycerin	MIN.	
1899 Picric Acid (2,4,6-Trinitrophenol) 9432 RDX (hexahydro-1,3,5-trinitr			9522		10	
9432 RDX (hexahydro-1,3,5-trinitro-1			9558	Pentaerythritoltetranitrate (PETN)		
triazine) EPA 9045C 10198400 Soil and Waste pH 1900 pH 10244607 Soil and Waste pH EPA 9045D 1900 pH Determination of Inorganic Anion Ion Chromatography			1899	Picric Acid (2,4,6-Trinitrophenol)		
1900 pH EPA 9045D 10244607 Soil and Waste pH 1900 pH 10199005 Determination of Inorganic Anion Ion Chromatography			9432	, , , , , , , , , , , , , , , , , , , ,		_
EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography		EPA 9045C			10198400	Soil and Waste pH
EPA 9045D 10244607 Soil and Waste pH 1900 pH EPA 9056 10199005 Determination of Inorganic Anion Ion Chromatography			1900	рН		
EPA 9056 EPA 9056 Determination of Inorganic Anion Ion Chromatography		EPA 9045D		··	10244607	Soil and Waste pH
Ion Chromatography			1900	рН		·
		EPA 9056			10199005	Determination of Inorganic Anions by Ion Chromatography
			1540	Bromide		<u> </u>



OREGON

Environmental Laboratory Accreditation Program



ORELAP ID: 4040

TestAmerica Sacramento EPA CODE: CA00044 880 Riverside Parkway **Certificate:** 4040 - 008

West Sacramento, CA 95605 Issue Date: 1/30/2017 Expiration Date: 1/29/2018

As of 1/30/2017 this list supercedes all previous lists for this certificate number.

Solids	EPA 9056	1575	Chloride		
000		1730	Fluoride		
		1805	Nitrate		
		1835	Nitrite		
		2000	Sulfate	1	
	WS-LC-0004 2.4		BALLECO	60055132	TestAmerica West Sacramento - Chemical Warfare Degradates in Water and Soil by HPLC/ESI/MS/MS
		6102	Diisopropylmethyl phosphonate	100	
		6104	Dimethyl methyl phosphonate		
		7508	Ethylmethylphosphonic acid		1.4
		9481	Isopropylmethylphosphonic acid		600
		7516	Methylphosphonic acid		
		9577	Thiodiglycol		
	WS-LC-0010 3.4			60055154	TestAmerica West Sacramento - Nitroguanidine (EPA 8330)
		6462	2-Nitroguanidine		
	WS-LC-0025 1.2			60055427	TestAmerica West Sacramento - Perfluorinated Compounds (PFCs) in Water, Soil, Sediments, and Tissue by LC/MS/MS
		6904	Perfluoroundecanoic acid (PFUDA)		
	WS-MS-0010		The same but	60055483	Alkylphenol Compounds by GC/MS-SIM Internal Standard Technique
		6514	4-Octylphenol		
		9301	Bisphenol A		
	100	9529	Nonyl phenol		La
	y	958 9	Nonyl phenol diethoxylate		
		9592	Nonyl phenol monoethoxylate		63
	WS-MS-0012 2014	C	١.	60055530	TestAmerica West Sacramento - Nitrosamines by GC/MS/MS with LVI
		6525	n-Nitrosodiethylamine	-110	
		6530	n-Nitrosodimethylamine	160 -	
		5025	n-Nitroso-di-n-butylamine	12.	
		6545	n-Nitrosodi-n-propylamine		
		6535	n-Nitrosodiphenylamine		
		6550	n-Nitrosomethylethalamine		
		6555	n-Nitrosomorpholine		
		6520	n-Nitroso-n-methylurea		
		6560	n-Nitrosopiperidine		
		6565	n-Nitrosopyrrolidine		
	WS-WC-0050 3.8			60055472	TestAmerica West Sacramento - Nitrocellulose in Aqueous and Soil/Sediment Samples by Colorimetric Autoanalyzer
		6484	Nitrocellulose		





Interim



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Weck Laboratories, Inc.

14859 East Clark Avenue City of Industry, CA 91745

Scope of the certificate is limited to the "Fields of Testing" which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: 1132

Expiration Date: 3/31/2019

Effective Date: 4/1/2018

Christiniacter

Sacramento, California subject to forfeiture or revocation

Christine Sotelo, Chief Environmental Laboratory Accreditation Program



CALIFORNIA STATE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM Accredited Fields of Testing



Weck Laboratories, Inc.

14859 East Clark Avenue City of Industry, CA 91745

Phone: (626) 336-2139

Certificate No. Expiration Date 3/31/2019

1132

INTERIM

Field of	Tooting	: 101 - Microbiology of Drinking Water	
			CMOQ4ED
101.010		Heterotrophic Bacteria	SM9215B
101.020	004	Total Coliform (Enumeration)	SM9221B,C
101.020		Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)
101.050	003	Total Coliform (Enumeration)	SM9223B (Colilert)
101.050	004	E. coli (Enumeration)	SM9223B (Colilert)
101.170	001	Enterococci	Enterolert
Field of	Testing	: 102 - Inorganic Chemistry of Drinking Water	
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.050	001	Cyanide	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.085	003	Organic Carbon-Total (TOC)	EPA 415.3
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.175	001	Chlorine, Free	SM4500-CI G-2000

102.175 002	Chlorine, Total Residual	SM4500-CI G-2000		
102.203 001	Hydrogen Ion (pH)	SM4500-H+ B-2000		
102.260 001	Total Organic Carbon TOC	SM5310B-2000		
102.270 001	Surfactants	SM5540C-2000		
102.280 001	UV254	SM5910B-2011		
102.570 001	Cyanide, Free	OIA-1677, DW		
	g: 103 - Toxic Chemical Elements of Drinking Wa			
103.130 001	Aluminum	EPA 200.7		
103.130 003	Barium	EPA 200.7		
103.130 007	Chromium	EPA 200.7		
103.130 008	Copper	EPA 200.7		
103.130 009	Iron	EPA 200.7		
103.130 011	Manganese	EPA 200.7		
103.130 012	Nickel	EPA 200.7		
103.130 015	Silver	EPA 200.7		
103.130 017	Zinc	EPA 200.7		
103.130 018	Boron	EPA 200.7		
103.140 001	Aluminum	EPA 200.8		
103.140 002	Antimony	EPA 200.8		
103.140 003	Arsenic	EPA 200.8		
103.140 004	Barium	EPA 200.8		
103.140 005	Beryllium	EPA 200.8		
103.140 006	Cadmium	EPA 200.8		
103.140 007	Chromium	EPA 200.8		
103.140 008	Copper	EPA 200.8		
103.140 009	Lead	EPA 200.8		
103.140 010	Manganese	EPA 200.8		
103.140 011	Mercury	EPA 200.8		
103.140 012	Nickel	EPA 200.8		
103.140 013	Selenium	EPA 200.8		
103.140 014	Silver	EPA 200.8		
103.140 015	Thallium	EPA 200.8		
103.140 016	Zinc	EPA 200.8		
103.140 017	Boron	EPA 200.8		
103.140 018	Vanadium	EPA 200.8		
103.160 001	Mercury	EPA 245.1		
103.310 001	Chromium (VI)	EPA 218.6		
103.311 001	Chromium (VI)	EPA 218.7		
Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water				
104.030 001	1,2-Dibromoethane	EPA 504.1		
104.030 002	1,2-Dibromo-3-chloropropane	EPA 504.1		
104.035 001	1,2,3-Trichloropropane	SRL 524M-TCP		
104.040 000	Volatile Organic Compounds	EPA 524.2		
104.040 057	Xylenes, Total	EPA 524.2		
104.045 000	Trihalomethanes, Total	EPA 524.2		
104.050 000	Gasoline Additives	EPA 524.2		

104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2	
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2	
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2	
104.050	005	Trichlorotrifluoroethane	EPA 524.2	
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2	
Field of	Testing	: 105 - Semi-volatile Organic Chemistry of Drink	ing Water	
105.035	000	Organochlorine Pesticides	EPA 508	
105.083	000	Chlorinated Acids	EPA 515.4	
105.090	000	Semi-volatile Organic Compounds	EPA 525.2	
105.120	001	Glyphosate	EPA 547	
105.140	001	Endothall	EPA 548.1	
105.150	001	Diquat	EPA 549.2	
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3	
105.210	002	2,4-D	EPA 555	
105.210	006	Picloram	EPA 555	
105.210	007	2,4,5-TP	EPA 555	
105.210	800	Bentazon	EPA 555	
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Sc	EPA 1613B	
Field of	Testing	: 106 - Radiochemistry of Drinking Water		
106.010	001	Gross Alpha and Beta Radiation	EPA 900.0	
106.092	001	Uranium	EPA 200.8	
106.270	001	Gross Alpha by Coprecipitation	SM7110C	
106.610	001	Radon-222	SM7500-Rn	
Field of	Testing	: 107 - Microbiology of Wastewater		
Field of 107.010	Testing 001		SM9215B	
-		: 107 - Microbiology of Wastewater Heterotrophic Bacteria Total Coliform (Enumeration)	SM9215B SM9221B-2006	
107.010	001	Heterotrophic Bacteria		
107.010 107.020	001 002	Heterotrophic Bacteria Total Coliform (Enumeration)	SM9221B-2006	
107.010 107.020 107.030	001 002 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present	SM9221B-2006 SM9221B,C-2006	
107.010 107.020 107.030 107.040	001 002 002 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration)	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006	
107.010 107.020 107.030 107.040 107.050	001 002 002 002 002 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006	
107.010 107.020 107.030 107.040 107.050 107.100	001 002 002 002 002 002 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9230B-2007	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245	001 002 002 002 002 002 002 001	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245	001 002 002 002 002 002 002 001	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration)	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245	001 002 002 002 002 002 002 001 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert)	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090	001 002 002 002 002 002 001 002 Testing 001	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert)	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.110	001 002 002 002 002 001 002 Testing 001 001	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1	
107.010 107.020 107.030 107.040 107.050 107.242 107.245 Field of 108.090 108.110 108.112	001 002 002 002 002 001 002 Testing 001 001 001 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron	SM9221B-2006 SM9221B,C-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.110 108.112	001 002 002 002 002 001 002 Testing 001 001 001 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.110 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 001 002 003 004	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation)	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7 EPA 200.7 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.242 107.245 Field of 108.090 108.110 108.112 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 001 002 003 004 005	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation) Magnesium	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.112 108.112 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 001 002 003 004 005 006	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation) Magnesium Potassium	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.110 108.112 108.112 108.112 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 001 002 003 004 005 006	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation) Magnesium Potassium Silica, Dissolved	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.242 107.245 Field of 108.090 108.110 108.112 108.112 108.112 108.112 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 002 003 004 005 006 007	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation) Magnesium Potassium Silica, Dissolved Sodium	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.112 108.112 108.112 108.112 108.112 108.112 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 002 003 004 005 006 007 008 001	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation) Magnesium Potassium Silica, Dissolved Sodium Phosphorus, Total	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7	
107.010 107.020 107.030 107.040 107.050 107.100 107.242 107.245 Field of 108.090 108.110 108.112 108.112 108.112 108.112 108.112 108.112 108.112 108.112	001 002 002 002 002 001 002 Testing 001 001 002 003 004 005 006 007 008 001 002	Heterotrophic Bacteria Total Coliform (Enumeration) Total Coliform with Chlorine Present Fecal Coliform (Enumeration) Fecal Coliform with Chlorine Present Fecal Streptococci Enterococci E. coli (Enumeration) : 108 - Inorganic Chemistry of Wastewater Residue, Volatile Turbidity Boron Calcium Hardness (calculation) Magnesium Potassium Silica, Dissolved Sodium Phosphorus, Total Boron	SM9221B-2006 SM9221C,E-2006 SM9221C,E-2006 SM9230B-2007 Enterolert SM9223B (Colilert) EPA 160.4 EPA 180.1 EPA 200.7	

			=xpnation bates on =o to
108.113	004	Potassium	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	800	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.183	001	Cyanide, Total	EPA 335.4
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus, Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus, Total	EPA 365.3
108.267	001	Phosphorus, Total	EPA 200.7
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.362	001	Phenols, Total	EPA 420.4
108.381	002	Oil & Grease Total	EPA 1664 Rev. B
108.385	001	Color	SM2120B-2001
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.430	001	Conductivity	SM2510B-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.444	001	Temperature	SM2550B-2000
108.465	001	Chlorine, Total Residual	SM4500-CI G-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.536	001	Oxygen, dissolved	SM4500-O G-2001
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000
108.605	001	Surfactants	SM5540C-2000
108.927	001	Cyanide, available	OIA-1677-09
Field of	Testing	: 109 - Toxic Chemical Elements of Wastewater	
109.010	001	Aluminum	EPA 200.7
109.010		Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7

EPA 200.7

EPA 200.7

109.010 004

109.010 005

Barium

Beryllium

109.010		_		
-		Boron	EPA 200.7	
-	007	Cadmium	EPA 200.7	
-	009	Chromium	EPA 200.7	
-	010	Cobalt	EPA 200.7	
109.010		Copper	EPA 200.7	
	012	Iron	EPA 200.7	
109.010	013	Lead	EPA 200.7	
	015	Manganese	EPA 200.7	
109.010	016	Molybdenum	EPA 200.7	
109.010	017	Nickel	EPA 200.7	
109.010	019	Selenium	EPA 200.7	
109.010	021	Silver	EPA 200.7	
109.010	023	Thallium	EPA 200.7	
109.010	024	Tin	EPA 200.7	
109.010	025	Titanium	EPA 200.7	
109.010	026	Vanadium	EPA 200.7	
109.010	027	Zinc	EPA 200.7	
109.020	001	Aluminum	EPA 200.8	
109.020	002	Antimony	EPA 200.8	
109.020	003	Arsenic	EPA 200.8	
109.020	004	Barium	EPA 200.8	
109.020	005	Beryllium	EPA 200.8	
109.020	006	Cadmium	EPA 200.8	
109.020	007	Chromium	EPA 200.8	
109.020	800	Cobalt	EPA 200.8	
109.020	009	Copper	EPA 200.8	
109.020	010	Lead	EPA 200.8	
109.020	011	Manganese	EPA 200.8	
109.020	012	Molybdenum	EPA 200.8	
109.020	013	Nickel	EPA 200.8	
109.020	014	Selenium	EPA 200.8	
109.020	015	Silver	EPA 200.8	
109.020	016	Thallium	EPA 200.8	
109.020		Vanadium	EPA 200.8	
	018	Zinc	EPA 200.8	
	021	Iron	EPA 200.8	
-	022	Tin	EPA 200.8	
	023	Titanium	EPA 200.8	
-	001	Chromium (VI)	EPA 218.6	
	001	Mercury	EPA 245.1	
109.361		Mercury	EPA 1631E	
		<u> </u>		
		: 110 - Volatile Organic Chemistry of Wastewate		
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
Field of T	esung			
Field of T		Base/Neutral & Acid Organics	EPA 625	

111.103	000	Nitrosamines	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
Field of	Гesting	: 114 - Inorganic Chemistry of Hazardous Waste	
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	800	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
111 222	001	Cyanide	EPA 9014
114.222	001	Cyanide	LI A 30 14
_		: 115 - Extraction Test of Hazardous Waste	LI A 9014
_	Гesting		
Field of	Testing 001	: 115 - Extraction Test of Hazardous Waste	
Field of 115.020	Testing 001 001	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC	EPA 1311 CCR Chapter11, Article 5, Appendix II
Field of 115.020 115.030 115.040	001 001 001	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET)	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312
Field of 115.020 115.030 115.040	001 001 001 001 Γesting	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312
Field of 115.020 115.030 115.040 Field of 116.080	001 001 001 001 Festing	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B
Field of 115.020 115.030 115.040 Field of 116.080	001 001 001 001 Testing 000	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B
Field of 115.020 115.030 115.040 Field of 116.080	001 001 001 001 Festing 000	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazardous	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110	001 001 001 Festing 000 Festing 000 071	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.111	001 001 001 001 Festing 000 Festing 000 071 000	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.111 117.210 117.250	001 001 001 Festing 000 Festing 000 071 000 000	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.111 117.210 117.250	001 001 001 Festing 000 Festing 000 071 000 000 Festing	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A
Field of 7 115.020 115.030 115.040 Field of 7 116.080 Field of 7 117.110 117.210 117.250 Field of 7	001 001 001 Festing 000 Festing 000 071 000 000 Festing 000	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides : 120 - Physical Properties of Hazardous Waste	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.111 117.210 117.250 Field of 120.010 120.080	001 001 001 Festing 000 Festing 000 071 000 000 Festing 001 001	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides : 120 - Physical Properties of Hazardous Waste Ignitability	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.111 117.210 117.250 Field of 120.010 120.080	001 001 001 Festing 000 Festing 000 071 000 000 Festing 001 001	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides : 120 - Physical Properties of Hazardous Waste Ignitability Corrosivity - pH Determination	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.210 117.250 Field of 120.010 120.080	001 001 001 Festing 000 Festing 000 071 000 000 Festing 001 001 Festing	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides : 120 - Physical Properties of Hazardous Waste Ignitability Corrosivity - pH Determination : 126 - Microbiology of Recreational Water	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A EPA 1010 EPA 9045C
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.111 117.210 117.250 Field of 120.010 120.080 Field of 1	001 001 Festing 000 Festing 000 071 000 000 Festing 001 001 Festing	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Haza Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides : 120 - Physical Properties of Hazardous Waste Ignitability Corrosivity - pH Determination : 126 - Microbiology of Recreational Water Total Coliform (Enumeration)	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A EPA 1010 EPA 9045C SM9221B,C-2006
Field of 115.020 115.030 115.040 Field of 116.080 Field of 117.110 117.210 117.250 Field of 120.010 120.080 Field of 126.010 126.030	001 001 Festing 000 Festing 000 071 000 071 000 Festing 001 001 Festing	: 115 - Extraction Test of Hazardous Waste Toxicity Characteristic Leaching Procedure (TC Waste Extraction Test (WET) Synthetic Precipitation Leaching Procedure (S : 116 - Volatile Organic Chemistry of Hazardous Volatile Organic Compounds : 117 - Semi-volatile Organic Chemistry of Hazar Extractable Organics Pesticides Organochlorine Pesticides Chlorinated Herbicides : 120 - Physical Properties of Hazardous Waste Ignitability Corrosivity - pH Determination : 126 - Microbiology of Recreational Water Total Coliform (Enumeration)	EPA 1311 CCR Chapter11, Article 5, Appendix II EPA 1312 Waste EPA 8260B rdous Waste EPA 8270C EPA 8270C EPA 8081A EPA 8151A EPA 1010 EPA 9045C SM9221B,C-2006 SM9221B,E-2006



CALIFORNIA STATE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM Accredited Fields of Testing



Aquatic Bioassay & Consulting Laboratories, Inc.

29 North Olive Street Ventura, CA 93001

Phone: (805) 643-5621

Certificate No. 1907 Expiration Date 7/31/2019

113.010	Field of	Testing	: 113 - Whole Effluent Toxicity of Wastewater		
113.010 O01B Fathead Minnow (P. promelas) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O03B Rainbow trout (O mykks) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O05B Daphrid (C, dubla) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O05B Daphrid (C, dubla) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Daphrid Spp. EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Daphrid Spp. EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Daphrid Spp. EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Daphrid Spp. EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Daphrid Spp. EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Topsmell (A affinis) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Silverside (Menidia spp.) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O06B Silverside (Menidia spp.) EPA 6004-90027F, Stalic Renewal Interrim 113.010 O16B Mysid (M. bahia) EPA 6004-90027F, Stalic Interrim 113.010 O12B Mysid (M. bahia) EPA 6004-90027F, Stalic Renewal Interrim 113.011 O12B Mysid (M. bahia) EPA 6004-90027F, Stalic Renewal Interrim 113.012 O11A Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012, Stalic Interrim 113.022 O03A Rainbow trout (O mykiss) EPA 2000 (EPA-821-R-02-012, Stalic Interrim 113.025 O06B Silverside (Menidia spp.) EPA 2000 (EPA-821-R-02-012, Stalic Interrim 113.026 O06B Silverside (Menidia spp.) EPA 2000 (EPA-821-R-02-012, Stalic Interrim 113.027 O12A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012, Stalic Interrim 113.028 O06B Topsmell (A affinis) EPA 2007 (EPA-821-R-02-012, Stalic Interrim 113.029 O07 D07 Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012, Stalic Interrim 113.020 O07 Epa 200 EPA 200				EPA 600/4-90/027F, Static	Interim
113.010 003B Rainbow trout (O. mykiss) EPA 6004-90027F, Static Interim 113.010 005B Daphrid (C. dubla) EPA 6004-90027F, Static Interim 113.010 006B Daphrid (C. dubla) EPA 6004-90027F, Static Interim 113.010 006B Daphrid spp. EPA 6004-90027F, Static Interim 113.010 006B Daphrid spp. EPA 6004-90027F, Static Interim 113.010 006B Daphrid spp. EPA 6004-90027F, Static Interim 113.010 006B Daphrid (A. affinis) EPA 6004-90027F, Static Interim 113.010 008B Topsmelt (A. affinis) EPA 6004-90027F, Static Interim 113.010 008B Topsmelt (A. affinis) EPA 6004-90027F, Static Interim 113.010 009B Silverside (Menidia spp.) EPA 6004-90027F, Static Interim 113.010 009B Silverside (Menidia spp.) EPA 6004-90027F, Static Interim 113.010 012B Mysid (M. bahia) EPA 6004-90027F, Static Interim 113.011 012B Mysid (M. bahia) EPA 6004-90027F, Static Interim 113.012 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.021 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.022 003B Rainbow trout (O. mykiss) EPA 2000 (EPA-821-R-02-012), Static Interim 113.025 003B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Interim 113.026 003B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Interim 113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.028 003B Topsmelt (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Interim 113.029 001B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.029 001B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.029 001B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.020 005 Daphrid (C. dubla) EPA 1000 (EPA-821-R-02-013) Interim 113.021 005 Daphrid (C. dubla) EPA 1000 (EPA-821	113.010	001B	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Static Renewal	Interim
113.010 005A Daphnid (C. dubla) EPA 600/4-90027F, Stalic Interim 113.010 006B Daphnid (C. dubla) EPA 600/4-90027F, Stalic Interim 113.010 006B Daphnid spp. EPA 600/4-90027F, Stalic Interim 113.010 006B Daphnid spp. EPA 600/4-90027F, Stalic Interim 113.010 006B Topsmelt (A. affinis) EPA 600/4-90027F, Stalic Interim 113.010 006B Topsmelt (A. affinis) EPA 600/4-90027F, Stalic Interim 113.010 009B Topsmelt (A. affinis) EPA 600/4-90027F, Stalic Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90027F, Stalic Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90027F, Stalic Interim 113.010 012A Mysid (M. bahia) EPA 600/4-90027F, Stalic Interim 113.010 012B Mysid (M. bahia) EPA 600/4-90027F, Stalic Interim 113.021 001A Fathead Minrow (P. promelas) EPA 600/4-90027F, Stalic Interim 113.021 001B Fathead Minrow (P. promelas) EPA 600/4-90027F, Stalic Interim 113.022 003B Rainbow trout (D. mykiss) EPA 2000 (EPA-821-R-02-012), Stalic Interim 113.022 003B Rainbow trout (D. mykiss) EPA 2019 (EPA-821-R-02-012), Stalic Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.027 012A Mysid (M. bahia) EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.028 008B Topsmelt (A. affinis) EPA 2007 (EPA-821-R-02-012), Stalic Interim 113.029 001A Hyalella spp. EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.029 001B Hyalella spp. EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.040 001 Fathead Minrow (P. promelas) EPA 2007 (EPA-821-R-02-012), Stalic Interim 113.040 001B Hyalella spp. EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.040 001B Hyalella spp. EPA 2006 (EPA-821-R-02-012), Interim 113.040 001B Hyalella spp. EPA 2006 (EPA-821-R-02-012), Interim 113.050 005 Daphnid (C. dubla) EPA 1000 (EPA-821-R-02-	113.010	003A	Rainbow trout (O. mykiss)	EPA 600/4-90/027F, Static	Interim
113.010 0058 Daphnia (C. dubla) EPA 600/4-90027F, Stalic Renewal Interim 113.010 006A Daphnia spp. EPA 600/4-90027F, Stalic Renewal Interim 113.010 006A Topsmell (A. affinis) EPA 600/4-90027F, Stalic Renewal Interim 113.010 008A Topsmell (A. affinis) EPA 600/4-90027F, Stalic Renewal Interim 113.010 008A Topsmell (A. affinis) EPA 600/4-90027F, Stalic Renewal Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90027F, Stalic Renewal Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90027F, Stalic Renewal Interim 113.010 012A Mysid (M. bahia) EPA 600/4-90027F, Stalic Renewal Interim 113.010 012B Mysid (M. bahia) EPA 600/4-90027F, Stalic Renewal Interim 113.021 001A Fathead Minnow (P. promelas) EPA 600/4-90027F, Stalic Renewal Interim 113.022 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Stalic Interim 113.022 003A Rainbow trout (O. mykiss) EPA 2000 (EPA-821-R-02-012), Stalic Interim 113.025 003B Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Stalic Interim 113.026 003B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.027 012A Mysid (M. bahia) EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.028 008A Topsmell (A. affinis) EPA 2007 (EPA-821-R-02-012), Stalic Interim 113.029 001B Hysielde (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Stalic Interim 113.029 001B Hysielde (Menidia spp.) EPA 2007 (EPA-821-R-02-012), Stalic Interim 113.029 001B Hysielde spp. EPA 2007 (EPA-821-R-02-012), Stalic Interim 113.020 001B Hysielde spp. EPA 2007 (EPA-821-R-02-012), Stalic Interim 113.020 001B Hysielde spp. EPA 2007 (EPA-821-R-02-012), Interim 113.021 001 Eathead Minnow (P. promelas) EPA 2007 (EPA-821-R-02-012), Interim 113.020 001B Hysielde spp. EPA 2007 (EPA-821-R-02-012), Interim 113.040 001 Eathead	113.010	003B	Rainbow trout (O. mykiss)	EPA 600/4-90/027F, Static Renewal	Interim
113.010 006A Daphnia spp.	113.010	005A	Daphnid (C. dubia)	EPA 600/4-90/027F, Static	Interim
113.010 008B Daphnia spp. EPA 600/4-90/027F, Static Renewal Interim 113.010 008A Topsmell (A. affinis) EPA 600/4-90/027F, Static Interim 113.010 009B Topsmell (A. affinis) EPA 600/4-90/027F, Static Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90/027F, Static Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90/027F, Static Interim 113.010 012A Mysid (M. bahla) EPA 600/4-90/027F, Static Interim 113.011 012B Mysid (M. bahla) EPA 600/4-90/027F, Static Interim 113.021 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.021 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.022 003B Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.022 003B Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Interim 113.027 012A Mysid (M. bahla) EPA 2007 (EPA-821-R-02-012), Static Interim 113.027 012A Mysid (M. bahla) EPA 2007 (EPA-821-R-02-012), Static Interim 113.028 008B Topsmell (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Interim 113.029 001B Mysid (M. bahla) EPA 2007 (EPA-821-R-02-012), Static Interim 113.029 001B Hyalella spp. EPA 821-R-02-012, Static Interim 113.029 001B Hyalella spp. EPA 821-R-02-012, Static Interim 113.029 001B Hyalella spp. EPA 821-R-02-012, Static Interim 113.040 001 Fathead Minnow (P. promelas) EPA 2007 (EPA-821-R-02-012), Static Interim 113.040 001 Fathead Minnow (P. promelas) EPA 2007 (EPA-821-R-02-013) Interim 113.041 001 Fathead Minnow (P. promelas) EPA 2007 (EPA-821-R-02-013) Interim 113.040 002 Green algae (S. capricormutum) EPA 1000 (EPA-821-R-02-013) Interim 113.060 009 Silverside (Menidia spp.) EPA 1000 (EPA-821-R-02-0	113.010	005B	Daphnid (C. dubia)	EPA 600/4-90/027F, Static Renewal	Interim
113.010	113.010	006A	Daphnia spp.	EPA 600/4-90/027F, Static	Interim
113.010 008B Topsmelt (A. affinis) EPA 600/4-90/027F, Static Renewal Interim 113.010 009A Silverside (Menidia spp.) EPA 600/4-90/027F, Static Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90/027F, Static Renewal Interim 113.010 012A Mysid (M. bahia) EPA 600/4-90/027F, Static Renewal Interim 113.010 012B Mysid (M. bahia) EPA 600/4-90/027F, Static Renewal Interim 113.021 001A Falhead Minnow (P. promelas) EPA 600/4-90/027F, Static Renewal Interim 113.022 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Renewal Interim 113.022 003A Rainbow trout (O. mykiss) EPA 2009 (EPA-821-R-02-012), Static Renewal Interim 113.022 003A Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Renewal Interim 113.025 009A Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.029 001B Hyalella spp. EPA-8207 (EPA-821-R-02-012), Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA-821-R-02-012, Static Renewal Interim 113.041 001 Fathead Minnow (P. promelas) EPA-821-R-02-012, Static Renewal Interim 113.050 005 Daphnid (C. dubia) EPA-821-R-02-012, Static Renewal Interim 113.060 005 Green algae (S. capricomutum) EPA-1000 (EPA-821-R-02-013) Interim 113.061 005 Oaphnid (C. dubia) EPA-1000 (EPA-821-R-02-013) Interim 113.061 005 Oaphnid (C. dubia) EPA-1000 (EPA-821-R-02-013) Interim 113.061 005 Oaphnid (C. dubia) EPA-1000 (EPA-821-R-02-013) Interim 113.061 005 Oaphnid (C. dubi	113.010	006B	Daphnia spp.	EPA 600/4-90/027F, Static Renewal	Interim
113.010 009A Silverside (Menidia spp.) EPA 600/4-90/027F, Static Interim 113.010 009B Silverside (Menidia spp.) EPA 600/4-90/027F, Static Renewal Interim 113.010 012A Mysid (M. bahia) EPA 600/4-90/027F, Static Renewal Interim 113.010 012B Mysid (M. bahia) EPA 600/4-90/027F, Static Renewal Interim 113.021 001A Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.021 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Renewal Interim 113.022 003A Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.022 003B Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.025 009A Silverside (Menidia spp.) EPA 2000 (EPA-821-R-02-012), Static Renewal Interim 113.025 009B Silverside (Menidia spp.) EPA 2000 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.060 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 009 Silverside (Menidia spp.) EPA 1000 (EPA-821-R-02-013) Interim 113.061 009 Silverside (Menidia spp.) EPA 1000 (EPA-821-R-02-013) Interim 113.061 009 Silverside (Me	113.010	A800	Topsmelt (A. affinis)	EPA 600/4-90/027F, Static	Interim
113.010 009B Silverside (Menidia Spp.) EPA 600/4-90/027F, Static Renewal Interim 113.010 012A Mysid (M. bahia) EPA 600/4-90/027F, Static Interim 113.010 012B Mysid (M. bahia) EPA 600/4-90/027F, Static Interim 113.021 001A Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.022 003B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Interim 113.022 003A Rainbow Irout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.022 003B Rainbow Irout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.025 009A Silverside (Menidia Spp.) EPA 2019 (EPA-821-R-02-012), Static Interim 113.027 012A Mysid (M. bahia) EPA 2006 (EPA-821-R-02-012), Static Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.028 008A Topsmell (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.029 008B Topsmell (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.029 001A Hyalella Spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella Spp. EPA-821-R-02-012, Static Renewal Interim 113.020 001B Hyalella Spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-012), Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.051 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Osen Algority (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Osen Algority (M. bahia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 007 Green algae (S. capricormutum) EPA 1003 (EPA-821-R-02-013) Interim 113.061 009 Silverside (Menidia Spp.) EPA 1006 (EPA-821-R-02-013) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821-R-02-013) Interim 113.091 012 Mysid (M	113.010	008B	Topsmelt (A. affinis)	EPA 600/4-90/027F, Static Renewal	Interim
113.010 012A Mysid (M. bahia) EPA 600/4-90/02/F, Stalic Interim 113.010 012B Mysid (M. bahia) EPA 600/4-90/02/F, Stalic Renewal Interim 113.021 001A Falhead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Stalic Interim 113.021 001B Falhead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Stalic Renewal Interim 113.022 003A Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Stalic Renewal Interim 113.025 003A Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Stalic Renewal Interim 113.025 009A Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Stalic Renewal Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Stalic Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Stalic Renewal Interim 113.028 008A Topsmelt (A affinis) EPA 2007 (EPA-821-R-02-012), Stalic Renewal Interim 113.028 008B Topsmelt (A affinis) EPA-821-R-02-012, Stalic Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Stalic Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Stalic Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA-821-R-02-012, Stalic Renewal Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Green algae (S. capricormutum) EPA 1003 (EPA-8004-91/002) Interim 113.080 009 Silverside (Menidia spp.) EPA 1000 (EPA-821-R-02-013) Interim 113.090 012 Mysid (M. bahia) EPA 1000 (EPA-821-R-02-014) Interim 113.090 012 Mysid (M. bahia) EPA 1000 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1000 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1000 (EPA-821-R-02-014) Interim 113.	113.010	009A	Silverside (Menidia spp.)	EPA 600/4-90/027F, Static	Interim
113.010	113.010	009B	Silverside (Menidia spp.)	EPA 600/4-90/027F, Static Renewal	Interim
113.021	113.010	012A	Mysid (M. bahia)	EPA 600/4-90/027F, Static	Interim
113.021 001B Fathead Minnow (P. promelas) EPA 2000 (EPA-821-R-02-012), Static Renewal Interim 113.022 003A Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Interim 113.025 009A Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA-821-R-02-012, Static Renewal Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.051 005 Daphnid (C. dubia) EPA 1002 (EPA-8004-91/002) Interim 113.060 005 Green algae (S. capricornutum) EPA 1003 (EPA-821-R-02-013) Interim 113.081 009 Silverside (Menidia spp.) EPA 1003 (EPA-821-R-02-013) Interim 113.081 009 Silverside (Menidia spp.) EPA 1006 (EPA-821-R-02-013) Interim 113.091 012 Mysid (M. bahia) EPA 1006 (EPA-821-R-02-013) Interim 113.091 012 Mysid (M. bahia) EPA 1006 (EPA-821-R-02-013) Interim 113.091 012 Mysid (M. bahia) EPA 1006 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-801-91/003) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821	113.010	012B	Mysid (M. bahia)	EPA 600/4-90/027F, Static Renewal	Interim
113.022	113.021	001A	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static	Interim
113.022 003B Rainbow trout (O. mykiss) EPA 2019 (EPA-821-R-02-012), Static Renewal Interim 113.025 009A Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA-821-R-02-012, Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA-821-R-02-012, Static Renewal Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA/600/4-91/002) Interim 113.050 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 020 Green algae (S. capricornutum) <td>113.021</td> <td>001B</td> <td>Fathead Minnow (P. promelas)</td> <td>EPA 2000 (EPA-821-R-02-012), Static Renewal</td> <td>Interim</td>	113.021	001B	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static Renewal	Interim
113.025 009A Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Interim 113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA-821-R-02-012, Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA/600/4-91/002) Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.060 020 Green algae (S. capricornutum) EPA 1003 (EPA-821-R-02-013) Interim 113.081 009	113.022	003A	Rainbow trout (O. mykiss)	EPA 2019 (EPA-821-R-02-012), Static	Interim
113.025 009B Silverside (Menidia spp.) EPA 2006 (EPA-821-R-02-012), Static Renewal Interim 113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA-821-R-02-012, Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA/600/4-91/002) Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 020 Green algae (S. capricornutum) EPA 1000 (EPA-821-R-02-013) Interim 113.080 090 Silverside (Menidia spp.) EPA 1006 (EPA/600/4-91/003) Interim 113.090 012	113.022	003B	Rainbow trout (O. mykiss)	EPA 2019 (EPA-821-R-02-012), Static Renewal	Interim
113.027 012A Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Interim 113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA-821-R-02-012, Static Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA-821-R-02-012, Static Renewal Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-801-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.051 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.060 020 Green algae (S. capricormutum) EPA 1003 (EPA-821-R-02-013) Interim 113.081 009 Silverside (Menidia spp.) EPA 1006 (EPA-821-R-02-013) Interim 113.090 012 Mysid (M. bahia)	113.025	009A	Silverside (Menidia spp.)	EPA 2006 (EPA-821-R-02-012), Static	Interim
113.027 012B Mysid (M. bahia) EPA 2007 (EPA-821-R-02-012), Static Renewal Interim 113.028 008A Topsmelt (A. affinis) EPA-821-R-02-012, Static Interim 113.028 008B Topsmelt (A. affinis) EPA-821-R-02-012, Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA/600/4-91/002) Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.061 020 Green algae (S. capricornutum) EPA 1003 (EPA-821-R-02-013) Interim 113.081 009 Silverside (Menidia spp.) EPA 1006 (EPA-821-R-02-013) Interim 113.080 009 Silverside (Menidia spp.) EPA 1006 (EPA-821-R-02-014) Interim 113.091 012 Mysid (M. bahia)	113.025	009B	Silverside (Menidia spp.)	EPA 2006 (EPA-821-R-02-012), Static Renewal	Interim
113.028 008A Topsmelt (A. affinis) EPA-821-R-02-012, Static Interim 113.028 008B Topsmelt (A. affinis) EPA-821-R-02-012, Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA/600/4-91/002) Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1002 (EPA/600/4-91/002) Interim 113.051 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.060 020 Green algae (S. capricornultum) EPA 1003 (EPA/600/4-91/002) Interim 113.081 020 Green algae (S. capricornultum) EPA 1003 (EPA-821-R-02-013) Interim 113.080 09 Silverside (Menidia spp.) EPA 1006 (EPA/600/4-91/003) Interim 113.090 012 Mysid (M. bahia) <t< td=""><td>113.027</td><td>012A</td><td>Mysid (M. bahia)</td><td>EPA 2007 (EPA-821-R-02-012), Static</td><td>Interim</td></t<>	113.027	012A	Mysid (M. bahia)	EPA 2007 (EPA-821-R-02-012), Static	Interim
113.028 008B Topsmelt (A. affinis) EPA-821-R-02-012, Static Renewal Interim 113.029 001A Hyalella spp. EPA-821-R-02-012, Static Interim 113.029 001B Hyalella spp. EPA-821-R-02-012, Static Renewal Interim 113.040 001 Fathead Minnow (P. promelas) EPA 1000 (EPA/600/4-91/002) Interim 113.041 001 Fathead Minnow (P. promelas) EPA 1000 (EPA-821-R-02-013) Interim 113.050 005 Daphnid (C. dubia) EPA 1002 (EPA/600/4-91/002) Interim 113.051 005 Daphnid (C. dubia) EPA 1000 (EPA-821-R-02-013) Interim 113.060 020 Green algae (S. capricornulum) EPA 1003 (EPA/600/4-91/002) Interim 113.081 020 Green algae (S. capricornulum) EPA 1003 (EPA-821-R-02-013) Interim 113.080 03 Silverside (Menidia spp.) EPA 1006 (EPA/600/4-91/003) Interim 113.090 012 Mysid (M. bahia) EPA 1007 (EPA/600/4-91/003) Interim 113.091 012 Mysid (M. bahia) EPA 1007 (E	113.027	012B	Mysid (M. bahia)	EPA 2007 (EPA-821-R-02-012), Static Renewal	Interim
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113.091 012 Mysid (M. bahia) EPA 1007 (EPA-821-R-02-014) Interim 113.120 008 Topsmelt (A. affinis) EPA 600/R-95/136 Interim	113.081	009	Silverside (Menidia spp.)	EPA 1006 (EPA-821-R-02-014)	Interim
113.120 008 Topsmelt (A. affinis) EPA 600/R-95/136 Interim	113.090	012	Mysid (M. bahia)	EPA 1007 (EPA/600/4-91/003)	Interim
	113.091	012	Mysid (M. bahia)	EPA 1007 (EPA-821-R-02-014)	Interim
113.120 014 Pacific oyster (C. gigas) EPA 600/R-95/136 Interim	113.120	800	Topsmelt (A. affinis)	EPA 600/R-95/136	Interim
	113.120	014	Pacific oyster (C. gigas)	EPA 600/R-95/136	Interim

113.120	015D	Sand dollar (D. excentricus)	EPA 600/R-95/136, Fertilization Test	Interim
113.120	017D	Purple sea urchin (S. purpuratus)	EPA 600/R-95/136, Fertilization Test	Interim
113.120	017E	Purple sea urchin (S. purpuratus)	EPA 600/R-95/136, Development Test	Interim
113.120	019	Mussels (Mytilus spp.)	EPA 600/R-95/136	Interim
113.120	022	Giant kelp (M. pyrifera)	EPA 600/R-95/136	Interim
113.120	023	Red abalone (H. rufescens)	EPA 600/R-95/136	Interim
113.170	027	Midge (C. tentans)	EPA 600/R-99/064, EPA 100.2	Interim
113.210	030	Amphipod (E. estuarius)	EPA 600/R-94/025, EPA 100.4	Interim
Field of	Testing	: 119 - Toxicity Bioassay of Hazardous Waste		
119.010	001	Fathead Minnow (P. promelas)	Polisini & Miller (CDFG 1988)	Interim
119.010	003	Rainbow trout (O. mykiss)	Polisini & Miller (CDFG 1988)	Interim
119.050	030	Amphipod (E. estuarius)	EPA 100.4	Interim
Field of Testing: 126 - Microbiology of Recreational Water				
126.010	001	Total Coliform (Enumeration)	SM9221B,C-2006	
126.030	001	Fecal Coliform (Enumeration)	SM9221B,E-2006	
126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)	
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)	
126.080	001	Enterococci	Enterolert	