



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Date of Report: 05/21/2018

Teresa Almlie

Master's Refreshment Services

16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Client Project: [none]
BCL Project: Annual Title 21
BCL Work Order: 1812910
Invoice ID: B304489

Enclosed are the results of analyses for samples received by the laboratory on 4/20/2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Table of Contents

Sample Information

Executive Summary - Detections..... 3

Chain of Custody and Cooler Receipt form..... 4

Laboratory / Client Sample Cross Reference..... 6

Sample Results

1812910-01 - Premium Purified Water..... 7

Subcontract Reports

WO_1812910_SUB_BSKSA.pdf..... 14

WO_1812910_SUB_FRNTL.pdf..... 22

WO_1812910_SUB_NTSTG.pdf..... 30

wo_1812910_SUb_PACEA.pdf..... 32

WO_1812910_SUB_WECKL.pdf..... 42

Notes

Notes and Definitions..... 45



Executive Summary - MCL Exceedances

Constituent	Result	PQL	MCL	Units	Method	Lab Quals
No exceedances found						

BC

LABORATORIES

4100 Atlas Court Bakersfield, Ca. 93308
(661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

Chain of Custody

* Required Fields

18-12910

TEMP: _____

Client/Company Name *		Report Attention *		Phone * (760) 244-5073		FAX * (760) 501-0289	
Master's Refreshment Services		Teresa Almie		E-mail: teresa@masterscoffeeandwater.com		ANALYSIS REQUESTED	
Address *		City *		State *		Zip *	
16666 Smoketree St. Unit B		Hesperia		CA		92345-6100	
Project Information:		PO #		BCL Quote #			
Annual Title 21							
How would you like your completed results sent? <input type="checkbox"/> E-Mail <input type="checkbox"/> Fax <input type="checkbox"/> EDD <input type="checkbox"/> Mail Only		QC Request		Result Request **		Surcharges	
Sampler Name Printed / Signature		<input type="checkbox"/> STD <input type="checkbox"/> Level II <input type="checkbox"/> STD <input type="checkbox"/> 5 Day** <input type="checkbox"/> Day**					
Matrix Types:		Sample Descriptions / Location *		Matrix *		Comments / Station Code	
RSW = Raw Surface Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid		Premium Purified Water		DW			
Sample #	Sampled Date	Sampled Time					
1	4/23/18	0900					
CHK BY			SUB-OUT				
SHORT-HOLDING TIME							
Cr ⁶ NO ₂ NO ₃ OP SS							
DO Cl ₂ BOD MBAS COI							
Relinquished by: (Signature and Printed Name)		Company		Date		Time	
Doreen		Masters		4/19/18		10:30 AM	
Relinquished by: (Signature and Printed Name)		Company		Date		Time	
Teresa Almie							
Received for Lab by: (Signature and Printed Name)		Company		Date		Time	
Payment Received at Delivery:		Check/Cash/Credit		Amount		Bill	
Shipping Method:		CAO UPS GSO WALK-IN SVC FEDEX OTHER		Cooling Method:		WET BLUE NONE	

59641-05/17-03 TAMA-M&B

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Chain of Custody and Cooler Receipt Form for 1812910 Page 2 of 2

BC LABORATORIES INC.		COOLER RECEIPT FORM		Page 1 of 1																																																																																																																																																																																																																																																																																																																																																																																																																																														
Submission #: 18-12910																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SHIPPING INFORMATION		SHIPPING CONTAINER																																																																																																																																																																																																																																																																																																																																																																																																																																																
Fed Ex <input type="checkbox"/>	UPS <input type="checkbox"/>	BC Lab Field Service <input type="checkbox"/>	Ice Chest <input type="checkbox"/> Other <input type="checkbox"/> (Specify)	Box <input type="checkbox"/> None <input checked="" type="checkbox"/> Ice Chest <input type="checkbox"/> Other <input type="checkbox"/> (Specify)	FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/> W / S																																																																																																																																																																																																																																																																																																																																																																																																																																													
Refrigerant: Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input checked="" type="checkbox"/> Other <input type="checkbox"/> Comments:		Custody Seals: <input checked="" type="checkbox"/> Container ID: <input checked="" type="checkbox"/> Containers: <input checked="" type="checkbox"/> Comments:																																																																																																																																																																																																																																																																																																																																																																																																																																																
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																
COC Received YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Emissivity: _____ Container ID: _____ Temperature: (A) Room °C / (C) Temp °C																																																																																																																																																																																																																																																																																																																																																																																																																																																
Date/Time: 9-20-18 Analyst Initial: [Signature]																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SAMPLE NUMBERS																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<table border="1"> <thead> <tr> <th>SAMPLE NUMBERS</th> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th></tr> </thead> <tbody> <tr> <td>QT PE LIPIDS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>4oz / 8oz / 16oz PE LINERS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>2oz ^Q</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT INORGANIC CHEMICAL METALS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT CYANIDE</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT NITROGEN FORMS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT TOTAL SULFIDE</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>2oz. NITRATE / NITRITE</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT TOTAL ORGANIC CARBON</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT CHEMICAL OXYGEN DEMAND</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PVA PHENOLICS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>40ml VOA VIAL TRAVEL BLANK</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>40ml VOA VIAL</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT EPA 1664</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PT ODOR</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>RADIOLOGICAL</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>BACTERIOLOGICAL</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>40 ml VOA VIAL - SQ4</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT EPA 508/608/808</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT EPA 515.1/8150</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT EPA 525 TRA VEL BLANK</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>40ml EPA 547</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>40ml EPA 541.1</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>8oz EPA 548</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT EPA 549</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT EPA 8015M</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>QT EPA 8270</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>8oz / 16oz / 32oz AMBER</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>8oz / 16oz / 32oz LAB</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>SOIL SLURRY</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PCB VIAL</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PLASTIC BAG</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>TEDLAR BAG</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>FERROUS IRON</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>ZINC</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>SMART KIT</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>SUMMA CANNISTER</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						SAMPLE NUMBERS	1	2	3	4	5	6	7	8	9	10	QT PE LIPIDS											4oz / 8oz / 16oz PE LINERS											2oz ^Q											QT INORGANIC CHEMICAL METALS											INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz											PT CYANIDE											PT NITROGEN FORMS											PT TOTAL SULFIDE											2oz. NITRATE / NITRITE											PT TOTAL ORGANIC CARBON											PT CHEMICAL OXYGEN DEMAND											PVA PHENOLICS											40ml VOA VIAL TRAVEL BLANK											40ml VOA VIAL											PT EPA 1664											PT ODOR											RADIOLOGICAL											BACTERIOLOGICAL											40 ml VOA VIAL - SQ4											QT EPA 508/608/808											QT EPA 515.1/8150											QT EPA 525 TRA VEL BLANK											40ml EPA 547											40ml EPA 541.1											8oz EPA 548											QT EPA 549											QT EPA 8015M											QT EPA 8270											8oz / 16oz / 32oz AMBER											8oz / 16oz / 32oz LAB											SOIL SLURRY											PCB VIAL											PLASTIC BAG											TEDLAR BAG											FERROUS IRON											ZINC											SMART KIT											SUMMA CANNISTER										
SAMPLE NUMBERS	1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																																																																																																																																																																																																																																																																								
QT PE LIPIDS																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4oz / 8oz / 16oz PE LINERS																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2oz ^Q																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT INORGANIC CHEMICAL METALS																																																																																																																																																																																																																																																																																																																																																																																																																																																		
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT CYANIDE																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT NITROGEN FORMS																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT TOTAL SULFIDE																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2oz. NITRATE / NITRITE																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT TOTAL ORGANIC CARBON																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT CHEMICAL OXYGEN DEMAND																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PVA PHENOLICS																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40ml VOA VIAL TRAVEL BLANK																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40ml VOA VIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT EPA 1664																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PT ODOR																																																																																																																																																																																																																																																																																																																																																																																																																																																		
RADIOLOGICAL																																																																																																																																																																																																																																																																																																																																																																																																																																																		
BACTERIOLOGICAL																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40 ml VOA VIAL - SQ4																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT EPA 508/608/808																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT EPA 515.1/8150																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT EPA 525 TRA VEL BLANK																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40ml EPA 547																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40ml EPA 541.1																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8oz EPA 548																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT EPA 549																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT EPA 8015M																																																																																																																																																																																																																																																																																																																																																																																																																																																		
QT EPA 8270																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8oz / 16oz / 32oz AMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8oz / 16oz / 32oz LAB																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SOIL SLURRY																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PCB VIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PLASTIC BAG																																																																																																																																																																																																																																																																																																																																																																																																																																																		
TEDLAR BAG																																																																																																																																																																																																																																																																																																																																																																																																																																																		
FERROUS IRON																																																																																																																																																																																																																																																																																																																																																																																																																																																		
ZINC																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SMART KIT																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SUMMA CANNISTER																																																																																																																																																																																																																																																																																																																																																																																																																																																		

A = Actual / C = Corrected

Sample Numbering Completed By: Jm

Date/Time: 9-28-18

Comments: Cool

SHIPMENT PACKING INSTRUCTIONS: DO NOT OPEN UNTIL TOLD TO DO SO BY THE ANALYST

REV 21 05/23/2016

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1812910-01	COC Number:	---	Receive Date:	04/20/2018 09:48
	Project Number:	---	Sampling Date:	04/23/2018 09:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Premium Purified Water	Lab Matrix:	Water
	Sampled By:	---	Sample Type:	Blank Water

Master's Refreshment Services
 16666 Smoketree St. Unit B
 Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Inorganics									
Chloride	EPA-300.0	ND	mg/L	1	0.50	250	04/23/18	04/24/18 04:04	
Fluoride	EPA-300.0	ND	mg/L	1	0.050	2.0	04/23/18	04/24/18 04:04	
Nitrate as N	EPA-300.0	ND	mg/L	1	0.10	10	04/23/18	04/24/18 04:04	
Sulfate	EPA-300.0	ND	mg/L	1	1.0	250	04/23/18	04/24/18 04:04	
Nitrate + Nitrite as N	Calc	ND	mg/L	1	0.10	10	04/23/18	05/08/18 00:01	
Turbidity	EPA-180.1	0.22	NT Units	1	0.10	5	04/24/18	04/24/18 10:00	
Nitrite as N	EPA-353.2	ND	mg/L	1	0.050	1	04/24/18	04/24/18 08:58	
Metals									
Total Recoverable Aluminum	EPA-200.7	ND	mg/L	1	0.050	0.2	05/03/18	05/03/18 15:29	
Total Recoverable Antimony	EPA-200.8	ND	mg/L	1	0.0020	0.006	04/24/18	04/25/18 05:22	
Total Recoverable Arsenic	EPA-200.8	ND	mg/L	1	0.0020	0.010	04/24/18	04/25/18 05:22	
Total Recoverable Barium	EPA-200.7	ND	mg/L	1	0.010	2	05/03/18	05/03/18 15:29	
Total Recoverable Beryllium	EPA-200.8	ND	mg/L	1	0.0010	0.004	04/24/18	04/25/18 05:22	
Total Recoverable Cadmium	EPA-200.8	ND	mg/L	1	0.0010	0.005	04/24/18	04/25/18 05:22	
Total Recoverable Chromium	EPA-200.7	ND	mg/L	1	0.010	0.1	05/03/18	05/03/18 15:29	
Total Recoverable Copper	EPA-200.7	ND	mg/L	1	0.010	1.0	05/03/18	05/03/18 15:29	
Total Recoverable Iron	EPA-200.7	ND	mg/L	1	0.050	0.3	05/03/18	05/03/18 15:29	
Total Recoverable Lead	EPA-200.8	ND	mg/L	1	0.0010	0.005	04/24/18	04/25/18 05:22	
Total Recoverable Manganese	EPA-200.7	ND	mg/L	1	0.010	0.05	05/03/18	05/03/18 15:29	
Total Recoverable Mercury	EPA-245.1	ND	ug/L	1	0.20	2	04/26/18	04/26/18 17:03	
Total Recoverable Nickel	EPA-200.7	ND	mg/L	1	0.010	0.1	05/03/18	05/03/18 15:29	
Total Recoverable Selenium	EPA-200.8	ND	mg/L	1	0.0020	0.05	04/24/18	04/25/18 05:22	
Total Recoverable Silver	EPA-200.7	ND	mg/L	1	0.010	0.1	05/03/18	05/03/18 15:29	
Total Recoverable Thallium	EPA-200.8	ND	mg/L	1	0.0010	0.002	04/24/18	04/25/18 05:22	
Total Recoverable Zinc	EPA-200.7	ND	mg/L	1	0.050	5.0	05/03/18	05/03/18 15:29	
Organics									
1,2-Dibromo-3-chloropropane	EPA-504.1	ND	ug/L	0.967	0.010	0.2	05/04/18	05/04/18 18:31	
Ethylene dibromide	EPA-504.1	ND	ug/L	0.967	0.010	0.05	05/04/18	05/04/18 18:31	
Aldrin	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
alpha-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
beta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
delta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
gamma-BHC (Lindane)	EPA-508	ND	ug/L	1	0.0050	0.2	04/24/18	04/26/18 00:28	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Chlordane (Technical)	EPA-508	ND	ug/L	1	0.10	2	04/24/18	04/26/18 00:28	
4,4'-DDD	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
4,4'-DDE	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
4,4'-DDT	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
Dieldrin	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
Endosulfan I	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
Endosulfan II	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
Endosulfan sulfate	EPA-508	ND	ug/L	1	0.0050	n/a	04/24/18	04/26/18 00:28	
Endrin	EPA-508	ND	ug/L	1	0.0050	2	04/24/18	04/26/18 00:28	
Endrin aldehyde	EPA-508	ND	ug/L	1	0.010	n/a	04/24/18	04/26/18 00:28	
Heptachlor	EPA-508	ND	ug/L	1	0.0050	0.4	04/24/18	04/26/18 00:28	
Heptachlor epoxide	EPA-508	ND	ug/L	1	0.0050	0.2	04/24/18	04/26/18 00:28	
Methoxychlor	EPA-508	ND	ug/L	1	0.0050	40	04/24/18	04/26/18 00:28	
Toxaphene	EPA-508	ND	ug/L	1	1.0	3	04/24/18	04/26/18 00:28	
PCB-1016	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
PCB-1221	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
PCB-1232	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
PCB-1242	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
PCB-1248	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
PCB-1254	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
PCB-1260	EPA-508	ND	ug/L	1	0.20	n/a	04/24/18	04/26/18 00:28	
Total PCB's (Summation)	EPA-508	ND	ug/L	1	0.20	0.5	04/24/18	04/26/18 00:28	
TCMX (Surrogate)	EPA-508	62.6	%	1	60 - 130 (LCL - UCL)		04/24/18	04/26/18 00:28	
Bentazon	EPA-515.1	ND	ug/L	1	0.80	n/a	04/24/18	04/26/18 22:40	
2,4-D	EPA-515.1	ND	ug/L	1	0.40	70	04/24/18	04/26/18 22:40	
Dalapon	EPA-515.1	ND	ug/L	1	5.0	200	04/24/18	04/26/18 22:40	
Dinoseb	EPA-515.1	ND	ug/L	1	0.20	7	04/24/18	04/26/18 22:40	
2,4,5-TP (Silvex)	EPA-515.1	ND	ug/L	1	0.070	50	04/24/18	04/26/18 22:40	
2,4-Dichlorophenylacetic acid (Surrogate)	EPA-515.1	58.8	%	1	40 - 120 (LCL - UCL)		04/24/18	04/26/18 22:40	
Benzene	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
Bromobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Bromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Bromodichloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Bromoform	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Bromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	V11

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Master's Refreshment Services
 16666 Smoketree St. Unit B
 Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
n-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
sec-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
tert-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Carbon tetrachloride	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
Chlorobenzene	EPA-524.2	ND	ug/L	1	0.50	100	04/28/18	04/29/18 07:17	
Chloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Chloroform	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Chloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
2-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
4-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Dibromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2-Dibromo-3-chloropropane	EPA-524.2	ND	ug/L	1	1.0	0.2	04/28/18	04/29/18 07:17	
1,2-Dibromoethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Dibromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	600	04/28/18	04/29/18 07:17	
1,3-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,4-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	75	04/28/18	04/29/18 07:17	
Dichlorodifluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,1-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
1,1-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	7	04/28/18	04/29/18 07:17	
cis-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	70	04/28/18	04/29/18 07:17	
trans-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	100	04/28/18	04/29/18 07:17	
1,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
1,3-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
2,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,1-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
cis-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
trans-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Total 1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Ethylbenzene	EPA-524.2	ND	ug/L	1	0.50	700	04/28/18	04/29/18 07:17	
Hexachlorobutadiene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Isopropylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
p-Isopropyltoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Methylene chloride	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Methyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Naphthalene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
n-Propylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Styrene	EPA-524.2	ND	ug/L	1	0.50	100	04/28/18	04/29/18 07:17	
1,1,1,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,1,2,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Tetrachloroethene	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
Toluene	EPA-524.2	ND	ug/L	1	0.50	1000	04/28/18	04/29/18 07:17	
1,2,3-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2,4-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	70	04/28/18	04/29/18 07:17	
1,1,1-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	200	04/28/18	04/29/18 07:17	
1,1,2-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
Trichloroethene	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 07:17	
Trichlorofluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2,3-Trichloropropane	EPA-524.2	ND	ug/L	1	1.0	n/a	04/28/18	04/29/18 07:17	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2,4-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,3,5-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
Vinyl chloride	EPA-524.2	ND	ug/L	1	0.50	2	04/28/18	04/29/18 07:17	
Total Xylenes	EPA-524.2	ND	ug/L	1	0.50	10000	04/28/18	04/29/18 07:17	
Total Trihalomethanes	EPA-524.2	ND	ug/L	1	2.0	10	04/28/18	04/29/18 07:17	
t-Amyl Methyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
t-Butyl alcohol	EPA-524.2	ND	ug/L	1	10	n/a	04/28/18	04/29/18 07:17	
Ethyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
p- & m-Xylenes	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
o-Xylene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
1,2-Dichloroethane-d4 (Surrogate)	EPA-524.2	102	%	1	75 - 125 (LCL - UCL)		04/28/18	04/29/18 07:17	
Toluene-d8 (Surrogate)	EPA-524.2	102	%	1	80 - 120 (LCL - UCL)		04/28/18	04/29/18 07:17	
4-Bromofluorobenzene (Surrogate)	EPA-524.2	99.1	%	1	80 - 120 (LCL - UCL)		04/28/18	04/29/18 07:17	
Acenaphthylene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 13:50	
Alachlor	EPA-525.2	ND	ug/L	1	0.20	2	04/25/18	05/07/18 13:50	
Anthracene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 13:50	
Atraton	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Atrazine	EPA-525.2	ND	ug/L	1	0.30	3	04/25/18	05/07/18 13:50	
Benzo[a]anthracene	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 13:50	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Benzo[b]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 13:50	
Benzo[k]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 13:50	
Benzo[a]pyrene	EPA-525.2	ND	ug/L	1	0.10	0.2	04/25/18	05/07/18 13:50	
Benzo[g,h,i]perylene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 13:50	
Benzyl butyl phthalate	EPA-525.2	ND	ug/L	1	4.0	n/a	04/25/18	05/07/18 13:50	
delta-BHC	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 13:50	
gamma-BHC (Lindane)	EPA-525.2	ND	ug/L	1	0.20	0.2	04/25/18	05/07/18 13:50	
Bromacil	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Chrysene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 13:50	
Diazinon	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 13:50	
Dibenzo[a,h]anthracene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 13:50	
Di(2-ethylhexyl)adipate	EPA-525.2	ND	ug/L	1	1.0	400	04/25/18	05/07/18 13:50	
Dimethoate	EPA-525.2	ND	ug/L	1	2.0	n/a	04/25/18	05/07/18 13:50	
Dimethyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	04/25/18	05/07/18 13:50	
Di-n-butyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	04/25/18	05/07/18 13:50	
Fluorene	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 13:50	
Hexachlorobenzene	EPA-525.2	ND	ug/L	1	0.20	1	04/25/18	05/07/18 13:50	
Hexachlorocyclopentadiene	EPA-525.2	ND	ug/L	1	1.0	50	04/25/18	05/07/18 13:50	
Indeno[1,2,3-cd]pyrene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 13:50	
Methoxychlor	EPA-525.2	ND	ug/L	1	0.30	40	04/25/18	05/07/18 13:50	
Metolachlor	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Metribuzin	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Molinate	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Phenanthrene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 13:50	
Prometon	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Prometryn	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Pyrene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 13:50	
Secbumeton	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Simazine	EPA-525.2	ND	ug/L	1	0.30	4	04/25/18	05/07/18 13:50	
Terbutryn	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Thiobencarb	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 13:50	
Perylene-d12 (Surrogate)	EPA-525.2	125	%	1	60 - 140 (LCL - UCL)		04/25/18	05/07/18 13:50	
Aldicarb	EPA-531.2	ND	ug/L	1	3.0	n/a	05/03/18	05/03/18 14:23	
Aldicarb sulfone	EPA-531.2	ND	ug/L	1	4.0	n/a	05/03/18	05/03/18 14:23	
Aldicarb sulfoxide	EPA-531.2	ND	ug/L	1	3.0	n/a	05/03/18	05/03/18 14:23	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Propoxur	EPA-531.2	ND	ug/L	1	5.0	n/a	05/03/18	05/03/18 14:23	
Carbaryl	EPA-531.2	ND	ug/L	1	5.0	n/a	05/03/18	05/03/18 14:23	
Carbofuran	EPA-531.2	ND	ug/L	1	5.0	40	05/03/18	05/03/18 14:23	
3-Hydroxycarbofuran	EPA-531.2	ND	ug/L	1	3.0	n/a	05/03/18	05/03/18 14:23	
Methiocarb	EPA-531.2	ND	ug/L	1	5.0	n/a	05/03/18	05/03/18 14:23	
Methomyl	EPA-531.2	ND	ug/L	1	2.0	n/a	05/03/18	05/03/18 14:23	
Oxamyl	EPA-531.2	ND	ug/L	1	5.0	200	05/03/18	05/03/18 14:23	
BDMC (Surrogate)	EPA-531.2	73.2	%	1	70 - 130 (LCL - UCL)		05/03/18	05/03/18 14:23	
Endothal	EPA-548.1	ND	ug/L	10	20	100	04/27/18	05/03/18 15:50	
Diquat	EPA-549.2	ND	ug/L	1	4.0	20	04/27/18	04/30/18 11:48	
Uncategorized									
Decachlorobiphenyl (Surrogate)	EPA-508	67.4	%	1	60 - 130 (LCL - UCL)		04/24/18	04/26/18 00:28	
Pentachlorophenol	EPA-515.1	ND	ug/L	1	0.050	n/a	04/24/18	04/26/18 22:40	
Picloram	EPA-515.1	ND	ug/L	1	0.050	n/a	04/24/18	04/26/18 22:40	
Diisopropyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 07:17	
bis(2-Ethylhexyl)phthalate	EPA-525.2	ND	ug/L	1	3.0	n/a	04/25/18	05/07/18 13:50	
1,3-Dimethyl-2-nitrobenzene (Surrogate)	EPA-525.2	105	%	1	70 - 130 (LCL - UCL)		04/25/18	05/07/18 13:50	
Triphenylphosphate (Surrogate)	EPA-525.2	156	%	1	70 - 130 (LCL - UCL)		04/25/18	05/07/18 13:50	S09
Pyrene-d10 (Surrogate)	EPA-525.2	117	%	1	70 - 130 (LCL - UCL)		04/25/18	05/07/18 13:50	
1-Naphthol	EPA-531.2	ND	ug/L	1	5.0	n/a	05/03/18	05/03/18 14:23	
Glyphosate	EPA-547	ND	ug/L	1	25	n/a	04/24/18	04/24/18 11:53	
Dibromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/24/18	04/26/18 10:39	
Dichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/24/18	04/26/18 10:39	
Monobromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/24/18	04/26/18 10:39	
Monochloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/24/18	04/26/18 10:39	
Trichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/24/18	04/26/18 10:39	
Total HAA's (Summation)	EPA-552.3	ND	ug/L	1	1.0	n/a	04/24/18	04/26/18 10:39	
2,3-Dibromopropionic acid (Surrogate)	EPA-552.3	72.0	%	1	70 - 130 (LCL - UCL)		04/24/18	04/26/18 10:39	
Total Recoverable Calcium	EPA-200.7	ND	mg/L	1	0.10	n/a	05/03/18	05/03/18 15:29	
Total Recoverable Magnesium	EPA-200.7	ND	mg/L	1	0.050	n/a	05/03/18	05/03/18 15:29	
Total Recoverable Sodium	EPA-200.7	0.71	mg/L	1	0.50	n/a	05/03/18	05/03/18 15:29	
Total Recoverable Potassium	EPA-200.7	ND	mg/L	1	1.0	n/a	05/03/18	05/03/18 15:29	
Bicarbonate Alkalinity as CaCO3	SM-2320B	5.3	mg/L	1	4.1	n/a	05/02/18	05/02/18 09:10	
Carbonate Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	05/02/18	05/02/18 09:10	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

BCL Sample ID: 1812910-01		Client Sample Name: Premium Purified Water, 4/23/2018 9:00:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Uncategorized									
Hydroxide Alkalinity as CaCO ₃	SM-2320B	ND	mg/L	1	4.1	n/a	05/02/18	05/02/18 09:10	
Total Alkalinity as CaCO ₃	SM-2320B	5.3	mg/L	1	4.1	n/a	05/02/18	05/02/18 09:10	
pH	SM-4500H B	6.19	pH Units	1	0.05	n/a	05/02/18	05/02/18 09:10	S05
Total Dissolved Solids @ 180 C	SM-2540C	ND	mg/L	0.250	2.5	n/a	04/27/18	04/27/18 15:00	
Color	SM-2120B	1.0	Color Units	1	1.0	n/a	04/24/18	04/24/18 10:00	
Odor	SM-2150B	No Obs Odor	Odor Units	1	1.0	n/a	04/24/18	04/24/18 10:00	
Chloramine as Cl ₂	SM-4500-C LF	ND	mg/L	1	0.10	n/a	04/23/18	04/23/18 16:10	S05
Residual Chlorine	SM-4500-C LF	ND	mg/L	1	0.10	n/a	04/23/18	04/23/18 16:10	S05
Chlorine dioxide	SM-4500-C IO2-B	ND	mg/L	1	0.20	n/a	04/23/18	04/23/18 16:20	S05
Total Cyanide	EPA-335.4	ND	mg/L	1	0.0050	n/a	04/24/18	04/25/18 14:24	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

A8D3094

5/08/2018

Invoice: A812927

Felicia Johnson
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

RE: Report for A8D3094 General: Project Manager-Felicia Johnson

Dear Felicia Johnson,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 4/24/2018. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, Sarah K. Guenther, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Sarah K. Guenther, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021-009

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A8D3094 FINAL 05082018 0759

www.BSKAssociates.com

Page 1 of 8



A8D3094

General: Project Manager-Felicia Johnson

Case Narrative

Project and Report Details	Invoice Details
----------------------------	-----------------

Client: BC Laboratories
Report To: Felicia Johnson
Project #: 1812910
Received: 4/24/2018 - 15:34
Report Due: 5/08/2018

Invoice To: BC Laboratories
Invoice Attn: Felicia Johnson
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 20.3

Containers Intact
COC/Labels Agree
Received with no thermal preservation.
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Sample(s) preserved after receipt at lab.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

MS1.0 Matrix spike recoveries exceed control limits.

Report Distribution

Recipient(s)	Report Format	CC:
Felicia Johnson	FINAL.RPT	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A8D3094 FINAL 05082018 0759

www.BSKAssociates.com

Page 2 of 8

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



A8D3094

General: Project Manager-Felicia Johnson

1812910

Certificate of Analysis

Sample ID: A8D3094-01

Sampled By: Client

Sample Description: 1812910-01

Sample Date - Time: 04/23/18 - 09:00

Matrix: Bottled Water

Sample Type: Grab

BSK Associates Laboratory Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Bromate	EPA 317.0	ND	0.0010	mg/L	1	A806038	05/05/18	05/05/18	
Chlorite	EPA 300.1	ND	0.0050	mg/L	1	A805778	04/26/18	04/26/18	
Surrogate: Dichloroacetate	EPA 300.1	99 %	Acceptable range: 90-115 %						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A8D3094 FINAL 05082018 0759

www.BSKAssociates.com

Page 3 of 8

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



A8D3094

General: Project Manager-Felicia Johnson

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 300.1 - Quality Control

Batch: A805778

Prepared: 4/26/2018

Prep Method: Method Specific Preparation

Analyst: RES

Blank (A805778-BLK1)

Chlorite	ND	0.0050	mg/L							04/26/18	
Surrogate: Dichloroacetate	0.489			0.50		98	90-115			04/26/18	

Blank Spike (A805778-BS1)

Chlorite	0.19	0.0050	mg/L	0.20		97	85-115			04/26/18	
Surrogate: Dichloroacetate	0.488			0.50		98	90-115			04/26/18	

Blank Spike Dup (A805778-BSD1)

Chlorite	0.19	0.0050	mg/L	0.20		97	85-115	1	10	04/26/18	
Surrogate: Dichloroacetate	0.521			0.50		104	90-115			04/26/18	

Matrix Spike (A805778-MS1), Source: A8D3076-01

Chlorite	0.17	0.010	mg/L	0.20	ND	84	75-125			04/26/18	
Surrogate: Dichloroacetate	1.04			1.0		104	90-115			04/26/18	

Matrix Spike (A805778-MS2), Source: A8D3086-01

Chlorite	0.17	0.010	mg/L	0.20	ND	87	75-125			04/27/18	
Surrogate: Dichloroacetate	1.07			1.0		107	90-115			04/27/18	

Matrix Spike Dup (A805778-MSD1), Source: A8D3076-01

Chlorite	0.18	0.010	mg/L	0.20	ND	89	75-125	5	10	04/26/18	
Surrogate: Dichloroacetate	1.08			1.0		108	90-115			04/26/18	

Matrix Spike Dup (A805778-MSD2), Source: A8D3086-01

Chlorite	0.18	0.010	mg/L	0.20	ND	89	75-125	1	10	04/27/18	
Surrogate: Dichloroacetate	1.05			1.0		105	90-115			04/27/18	

EPA 317.0 - Quality Control

Batch: A806038

Prepared: 5/5/2018

Prep Method: Method Specific Preparation

Analyst: JMS

Blank (A806038-BLK1)

Bromate	ND	0.0010	mg/L							05/05/18	
---------	----	--------	------	--	--	--	--	--	--	----------	--

Blank Spike (A806038-BS1)

Bromate	0.0091	0.0010	mg/L	0.010		91	85-115			05/05/18	
---------	--------	--------	------	-------	--	----	--------	--	--	----------	--

Blank Spike Dup (A806038-BSD1)

Bromate	0.0098	0.0010	mg/L	0.010		98	85-115	7	10	05/05/18	
---------	--------	--------	------	-------	--	----	--------	---	----	----------	--

Matrix Spike (A806038-MS1), Source: A8D3290-01

Bromate	0.0080	0.0010	mg/L	0.010	ND	71	75-125			05/05/18	MS1.0 Low
---------	--------	--------	------	-------	----	----	--------	--	--	----------	-----------

Matrix Spike Dup (A806038-MSD1), Source: A8D3290-01

Bromate	0.0087	0.0010	mg/L	0.010	ND	78	75-125	8	10	05/05/18	
---------	--------	--------	------	-------	----	----	--------	---	----	----------	--

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A8D3094 FINAL 05082018 0759

www.BSKAssociates.com

Page 4 of 8

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



A8D3094

General: Project Manager-Felicia Johnson

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the unreliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170-1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Multi:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAP program for the following parameters:

****NA****

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

EPA - UCMR4	CA00079	Los Angeles CSD	9254479	NELAP certified	4021-010
State of California - ELAP	1180	State of Hawaii	4021	State of Nevada	CA000792018-1
State of Oregon - NELAP	4021-010	State of Washington	C997-18		

Sacramento

State of California - ELAP 2435

San Bernardino

Los Angeles CSD	9254478	NELAP certified	4119-002	State of California - ELAP	2993
State of Oregon - NELAP	4119-002				

Vancouver

NELAP certified	WA100008-011	State of Oregon - NELAP	WA100008-011	State of Washington	C824-17
-----------------	--------------	-------------------------	--------------	---------------------	---------

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A8D3094 FINAL 05082018 0759

www.BSKAssociates.com

Page 5 of 8

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1812910 PDF File Name: WO_1812910_SUB_BSKSA.pdf Page 6 of 8



A8D3094



04242018

BCLab4911

Turnaround: Standard

Due Date: 5/8/2018



BC Laboratories



Printed: 4/24/2018 6:38:10PM

Page 1 of 1

Page 6 of 8

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1812910 PDF File Name: WO_1812910_SUB_BSKSA.pdf Page 7 of 8

SUBCONTRACT ORDER

BC Laboratories
1812910

A8D3094

BCLab4911

04/24/2018

10



20.3-A46

SENDING LABORATORY:

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Felicia Johnson

RECEIVING LABORATORY:

BSK Analytical Labs
1414 Stanislaus Street
Fresno, CA 93706
Phone: (800) 877-8310
FAX: (559) 485-6935

Analysis	Due	Expires	Comments
Sample ID: 1812910-01	Water	Sampled: 04/23/18 09:00	
EPA 300.0 - Bromate	05/04/18 17:00	05/21/18 09:00	Bottle Water
EPA 300.1 - Chlorite	05/04/18 17:00	05/07/18 09:00	Bottle Water
Containers supplied:			

4/24/18

Released By: *[Signature]* Date: 4.24.18
Received By: *[Signature]* Date: 4/24/18 1534
Released By: *[Signature]* Date: *[Signature]*
Received By: *[Signature]* Date: *[Signature]*

BSKSA

Page 1 of 1

Page 7 of 8

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



BSK Associates SR-FL-0002-19

Sample Integrity

BSK Bottles: Yes No

Page 1 of 1

A8D3094

BCLab4911

04/24/2018

10



COC Info		Checks		Passed?		Were correct containers and preservatives received for the tests requested?		Yes		No		NA	
Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$		Yes	No	NA				Yes	No	NA			
If samples were taken today, is there evidence that chilling has begun?		Yes	No	NA				Yes	No	NA			
Did all bottles arrive unbroken and intact?		Yes	No					Yes	No	NA			
Did all bottle labels agree with COC?		Yes	No					Yes	No	NA			
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes	No	NA				Yes	No	NA			
250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)		Checks	Passed?										
Bacti $\text{Na}_2\text{S}_2\text{O}_3$		—	—										
None (P) White Cap		—	—										
Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH/NH ₄ 2SO ₄ DW		Cl, pH > 8	P	F									
Cr6 (P) Pink Label/Blue Cap NH ₄ OH/NH ₄ 2SO ₄ WW		pH 9.3-9.7	P	F									
Cr6 (P) Black Label/Blue Cap NH ₄ OH/NH ₄ 2SO ₄ 7199 ***24 HOUR HOLD TIME***		pH 9.0-9.5	P	F									
HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label		—	—										
H ₂ SO ₄ (P) or (AG) Yellow Cap/Label		pH < 2	P	F									
NaOH (P) Green Cap		Cl, pH > 10	P	F									
NaOH + ZnAc (P)		pH > 9	P	F									
Dissolved Oxygen 300ml (g)		—	—										
None (AG) 608/826/16082, 625, 632/8321, 8151, 8270		—	—										
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—	—										
Ascorbic, EDTA, KH ₂ Cl (AG) Pink Label 525		—	—										
Na ₂ SO ₃ 250mL (AG) Neon Green Label 515		—	—										
Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549		—	—										
Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524		—	—										
Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547		—	—										
Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531		pH < 3	P	F									
NH ₄ Cl (AG) Purple Label 552		—	—										
EDA (AG) Brown Label DBPs		—	—										
HCL (CG) 524.2, BTEX Gas, MTBE, 8260/624		—	—										
Buffer pH 4 (CG)		—	—										
H ₃ PO ₃ (CG) Salmon Label		—	—										
Other:													
Asbestos 1L (P) w/ Foil / LL Metals Bottle		—	—										
Bottled Water		—	—										
Clear Glass 250mL / 500mL / 1 Liter		—	—										
Solids: Brass / Steel / Plastic Bag		—	—										
Split		Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials					
S P		1A/1A/	EDA	4/18/18		S P							
S P						S P							
Comments		Indicates Blanks Received 504 __ 524.2 __ TCP __ TTHM __ 537 __ 8260/624 __											

Labeled by: [Signature]

@ 18/18

Labels checked by: [Signature]

@ 18/18

RUSH Paged by: [Signature]



May 18, 2018

FAL Project 11505

Ms. Felicia Johnson
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Dear Ms. Johnson,

The following results are associated with Frontier Analytical Laboratory project 11505. This corresponds to your subcontract order 1812910. One drinking water sample was received on 4/25/2018 in good condition. This sample was extracted and analyzed by EPA Method 1613 for 2,3,7,8-TCDD only. BC Laboratories requested a turnaround time of fifteen business days for project 11505.

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, our sample login form and a sample photo. The enclosed results are specifically for the sample referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is 4041. Our State of California ELAP certificate number is 2934. This report has been emailed to you as a portable document format (PDF) file. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project 11505, please feel free to contact me at 916-934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Thomas C. Crabtree
Director

FRONTIER ANALYTICAL LABORATORY
5172 Hillsdale Circle * El Dorado Hills, CA 95762
Tel (916) 934-0900 * Fax (916) 934-0999
www.frontieranalytical.com

000001 of 000008



Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: 11505

Received on: 04/25/2018

Project Due: 05/17/2018

Storage: R-4

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
11505-001-SA	0	1812910	1812910-01	EPA 1613 TCDD	Drinking Water	04/23/2018	09:00 am	04/23/2018

000002 of 000008

5172 Hillside Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**EPA Method 1613
TCDD**FAL ID: 11505-001-MB
Client ID: Method Blank
Matrix: Drinking Water
Batch No: X4512Date Extracted: 05-16-2018
Date Received: NA
Amount: 1.000 LICal: PCDDFAL4-12-20-17
GC Column: DB5MS
Units: pg/LAcquired: 05-18-2018
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.898		0.235

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	62.2	31.0 - 137	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	55.8	42.0 - 164

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- DNQ Analyte concentration is below calibration range
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected at Detection Limit Level
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst:
Date: 5/18/2018Reviewed By:
Date: 5/18/2018

000003 of 000008

5172 Hillside Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

EPA Method 1613
TCDDFAL ID: 11505-001-OPR
Client ID: OPR
Matrix: Drinking Water
Batch No: X4512Date Extracted: 05-16-2018
Date Received: NA
Amount: 1.000 LICal: PCDDFAL4-12-20-17
GC Column: DB5MS
Units: ng/mlAcquired: 05-18-2018
WHO TEQ: NA

Compound	Conc	QC Limits
2,3,7,8-TCDD	10.8	7.30 - 14.6

Internal Standards	% Rec	QC Limits
13C-2,3,7,8-TCDD	91.9	25.0 - 141

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	89.7	37.0 - 158

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- DNQ Analyte concentration is below calibration range
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected at Detection Limit Level
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- * Result taken from dilution or reinjection

Analyst:
Date: 5/18/2018Reviewed By:
Date: 5/18/2018

000004 of 000008

5172 Hillside Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

EPA Method 1613
TCDDFAL ID: 11505-001-SA
Client ID: 1812910-01
Matrix: Drinking Water
Batch No: X4512Date Extracted: 05-16-2018
Date Received: 04-25-2018
Amount: 0.933 LICal: pcdffal3-12-22-17
GC Column: DB5MS
Units: pg/LAcquired: 05-18-2018
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.879		0.235

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	93.6	31.0 - 137	

Cleanup Surrogate	% Rec	QC Limits	Qual
37Cl-2,3,7,8-TCDD	92.8	42.0 - 164	

A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B Analyte is present in Method Blank
C Chemical Interference
D Presence of Diphenyl Ethers
DNQ Analyte concentration is below calibration range
E Analyte concentration is above calibration range
F Analyte confirmation on secondary column
J Analyte concentration is below calibration range
M Maximum possible concentration
ND Analyte Not Detected at Detection Limit Level
NP Not Provided
P Pre-filtered through a Whatman 0.7um GF/F filter
S Sample acceptance criteria not met
X Matrix interferences
* Result taken from dilution or reinjection

Analyst:

Date: 5/18/2018

Reviewed By:

Date: 5/18/2018

000005 of 000008

5172 Hillside Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



BC Laboratories
1812910

SENDING LABORATORY:

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Felicia Johnson

RECEIVING LABORATORY:

Frontier Analytical Laboratory
5172 Hillside Circle
El Dorado Hills, CA 95762
Phone: (916) 934-0900
FAX: (916) 934-0999

FRNTL

11505
47057 0424 1837 1813156 0^{cc}

Analysis	Due	Expires	Comments
Sample ID: 1812910-01	Water	Sampled: 04/23/18 09:00	
EPA 1613B - 2,3,7,8-TCDD	05/04/18 17:00	04/22/19 09:00	Bottle Water
Containers supplied:			

Released By

Date

Received By

Date

Released By

Date

Received By

Date

000006 of 000008

FRNTL

Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**Frontier Analytical Laboratory****Sample Login Form**FAL Project ID: **11505**

Client:	BC Laboratories, Inc
Client Project ID:	1812910
Date Received:	04/25/2018
Time Received:	11:00 am
Received By:	KZ
Logged In By:	SL
# of Samples Received:	1
Duplicates:	0
Storage Location:	R-4

Method of Delivery:	Golden State Overnight
Tracking Number:	47057042418371813156
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	Yes
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	Between 4 and 9
Anomalies or additional comments:	

000007 of 000008

5172 Hillside Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1812910 PDF File Name: WO_1812910_SUB_FRNTL.pdf Page 8 of 8



SUBCONTRACT ORDER		FRNTL	
BC Laboratories		1812910	
SENDING LABORATORY: BC Laboratories 4100 Atlas Court Bakersfield, CA 93308 Phone: (818) 327-4911 FAX: (818) 327-1918 Project Manager: Felicia Johnson		RECEIVING LABORATORY: Frontier Analytical Laboratory 5172 Hillside Circle El Dorado Hills, CA 95762 Phone: (916) 934-0900 FAX: (916) 934-0999	
Analysis		Comments	
Sample ID: 1812910-01	Water	Expires	04/23/18 09:00
EPA 1631B - 2,3,7,8-TCDD		Sampled: 04/22/18 09:00	Bottle Water
Containers supplied			

Date		Date	
Released By	Received By	Released By	Received By
<i>[Signature]</i>	<i>[Signature]</i>		
4-24-18	4-25-18		

2018/04/25

000008 of 000008

5172 Hillside Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratory ID: 2568

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS**

SAMPLE CODE: 381225

5/8/2018

Customer: B C Laboratories
Chrissy Herndon
4100 Atlas Court
Bakersfield, CA 93308

Source: 1812910-01

Date/Time Received: 4/30/2018 08:45

Collected by: Client

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable. These results may be used for compliance purposes, as required, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Organic Analytes - Others										
2910	Total Phenols	420.4	-	mg/L	0.001	ND	R2,Y5 1	4/23/2018 12:00		5/3/2018

Qualifiers:

R2: The laboratory is not accredited for this analyte. The resulting value should be used for informational purposes only.

Y5: Sample received outside of temperature acceptance range. Sample does not meet method requirements for acceptable thermal preservation.

Christine MacMillan, Technical Director

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page 1 of 1

381225

Custom Compliance: Phenols

Date Printed: 5/8/2018 1:12:42 PM

Analyst	Tests
DHG	420.4



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1812910 PDF File Name: WO_1812910_SUB_NTSTG.pdf Page 2 of 2

SUBCONTRACT ORDER

BC Laboratories

1812910

SENDING LABORATORY:

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Felicia Johnson

RECEIVING LABORATORY:

National Testing Laboratories, Inc.
556 South Mansfield Street
Ypsilanti, MI 48197
Phone: (734) 483-8333
FAX: ---

NTSTG

Analysis	Due	Expires	Comments
Sample ID: 1812910-01	Water	Sampled: 04/23/18 09:00	381225
EPA 420.4 - Phenols	05/04/18 17:00	05/21/18 09:00	Bottle Water
Containers supplied:			

PSA *log*

Recd @ 11°C

Released By

Date

Received By

Date

Released By

Date

Received By

Date

NTSTG

Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1812910 PDF File Name: wo_1812910_Sub_PACEA.pdf Page 1 of 10



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 21, 2018

Felicia Johnson
BC Laboratories
4100 Atlas Ct.
Bakersfield, CA 93308

RE: Project: 1812910
Pace Project No.: 30251197

Dear Felicia Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carin A. Ferris

Carin Ferris
carin.ferris@pacelabs.com
724-850-5615
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 1 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 1812910
Pace Project No.: 30251197

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01457
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 2 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 1812910
Pace Project No.: 30251197

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30251197001	1812910-01	Drinking Water	04/23/18 09:00	04/30/18 09:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 3 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 1812910
Pace Project No.: 30251197

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30251197001	1812910-01	EPA 904.0	JLW	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 4 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: 1812910
Pace Project No.: 30251197

Method: EPA 904.0
Description: 904.0 Radium 228
Client: BC Laboratories
Date: May 21, 2018

General Information:

1 sample was analyzed for EPA 904.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 5 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1812910

Pace Project No.: 30251197

Sample: 1812910-01 Lab ID: 30251197001 Collected: 04/23/18 09:00 Received: 04/30/18 09:50 Matrix: Drinking Water

PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC)	Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 904.0	0.312 ± 0.295	(0.615)	pCi/L	05/17/18 15:43	15262-20-1	
		C: 84% T: 96%					

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 6 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1812910
Pace Project No.: 30251197

QC Batch: 296676 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30251197001

METHOD BLANK: 1452118 Matrix: Water
Associated Lab Samples: 30251197001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.704 ± 0.343 (0.574) C:85% T:83%	pCi/L	05/17/18 12:29	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 7 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 1812910
Pace Project No.: 30251197

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Act - Activity
Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).
Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)
(MDC) - Minimum Detectable Concentration
Trac - Tracer Recovery (%)
Carr - Carrier Recovery (%)
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

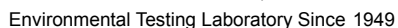
Date: 05/21/2018 03:29 PM

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 8 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Subcontract Report for 1812910 PDF File Name: wo_1812910_Sub_PACEA.pdf Page 9 of 10

WO#: 30251197



30251197

SUBCONTRACT ORDER

BC Laboratories

1812910

SENDING LABORATORY:

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Felicia Johnson

RECEIVING LABORATORY:

PACE Analytical
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601
Phone: (724) 850-5600
FAX: (724) 850-5601

PACEA

Analysis	Due	Expires	Comments
Sample ID: 1812910-01	Water	Sampled: 04/23/18 09:00	001
EPA 904.0 Radium 228	05/04/18 17:00	10/21/18 09:00	Bottle Water
Containers supplied:			

Released By

Date _____

Received By

Date _____

Released By

Date _____

Received By

Date _____

PACEA

Page 9 of 10
Page 1 of 1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Subcontract Report for 1812910 PDF File Name: wo_1812910_SUB_PACEA.pdf Page 10 of 10

Pittsburgh Lab Sample Condition Upon Receipt

Client Name: BC Labs Project # 30251197

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 1Z 915 3710 03 4052 2339

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used: N/A Type of Ice: Wet Blue (None)

Cooler Temperature _____ Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C

Temp should be above freezing to 6°C

Label BXH
LIMS Login BXH

Comments:	pH paper Lot#			Date and Initials of person examining contents: <u>BXH 4-30-18</u>
	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. <u>10123671</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
-Includes date/time/ID Matrix: <u>WT</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.
Orthophosphate field filtered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.
Hex Cr Aqueous Compliance/NPDES sample field filtered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>pH 2</u>
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>BXH</u> Date/time of preservation: _____
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lot # of added preservative: _____
exceptions: VOA, coliform, TOC, O&G, Phenolics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.
Trip Blank Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>BXH</u> Date: <u>4-30-18</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rad Aqueous Samples Screened > 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

J:\QAQC\Master\Document Management\Sample Mgt\Sample Condition Upon Receipt Pittsburgh (C056-7 16Feb2018)

Page 10 of 10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Certificate of Analysis

FINAL REPORT

Work Orders: 8D25095

Project: 1812910

Attn: Vanessa Sandoval

Client: BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Report Date: 5/09/2018

Received Date: 4/25/2018

Turnaround Time: Normal

Phones: (661) 327-4911

Fax: (661) 327-1918

P.O. #:

Billing Code:

Dear Vanessa Sandoval,

Enclosed are the results of analyses for samples received 4/25/18 with the Chain-of-Custody document. The samples were received in good condition, at 5.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: 1812910-01		Sampled: 04/23/18 9:00 by Client					
8D25095-01 (Water)							
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier	
Method: EPA 900.0	Batch ID: WSD1660	Inst: Inst	Prepared: 04/27/18 09:19	Analyst: sap			
Gross Alpha	1.6		pCi/L	1	04/30/18 15:14		
Uncertainty: 0.372	MDA: 0.484						
Gross Beta	1.6		pCi/L	1	04/30/18 15:14		
Uncertainty: 0.433	MDA: 0.622						



WECK LABORATORIES, INC.

Quality Control Results

Radiological Parameters by APHA/EPA Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8D1660 - Radiochemistry General Preparation										
Blank (W8D1660-BLK1)				Prepared: 04/27/18 Analyzed: 04/30/18						
Gross Alpha	0.41		pCi/L							
Uncertainty: 0.298	MDA: 0.484									
Gross Beta	0.21		pCi/L							
Uncertainty: 0.553	MDA: 0.928									
LCS (W8D1660-B51)				Prepared & Analyzed: 04/27/18						
Gross Alpha	12		pCi/L	12.0		104	64-139			
Uncertainty: 0.767	MDA: 0.491									
Gross Beta	14		pCi/L	14.7		99	77-138			
Uncertainty: 0.852	MDA: 0.843									
LCS Dup (W8D1660-B5D1)				Prepared & Analyzed: 04/27/18						
Gross Alpha	14		pCi/L	12.0		116	64-139	11	30	
Uncertainty: 0.788	MDA: 0.419									
Gross Beta	15		pCi/L	14.7		104	77-138	5	30	
Uncertainty: 0.865	MDA: 0.826									

8D25095

Page 2 of 3

14859 East Clark Avenue, City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



WECK LABORATORIES, INC.

Notes and Definitions

Item	Definition
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

Reviewed by:



Regina Giancola
Project Manager



DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.



Master's Refreshment Services
16666 Smoketree St. Unit B
Hesperia, CA 92345-6100

Reported: 05/21/2018 15:35
Project: Annual Title 21
Project Number: [none]
Project Manager: Teresa Almlie

Notes And Definitions

MDL Method Detection Limit

ND Analyte Not Detected

PQL Practical Quantitation Limit

S05 The sample holding time was exceeded.

S09 The surrogate recovery on the sample for this compound was not within the control limits.

V11 The Continuing Calibration Verification (CCV) recovery is not within established control limits.

BW-MCL = MCLs for Title 21 Bottled Water