



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Date of Report: 06/11/2018

Bruce Morgan

Glacier Pure Water, LLC

418 Ivy Street Suite A

Chico, CA 95928

Client Project: [none]

BCL Project: Annual Title 21

BCL Work Order: 1813055

Invoice ID: B304474

Enclosed are the results of analyses for samples received by the laboratory on 4/19/2018. If you have any questions concerning this report, please feel free to contact me.

Revised Report: This report supercedes Report ID 1000747868

Sincerely,

Contact Person: Christina Herndon
Client Service Rep

Authorized Signature

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

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Executive Summary - MCL Exceedances

Constituent	Result	PQL	MCL	Units	Method	Lab Quals
No exceedances found						

Chain of Custody and Cooler Receipt Form for 1813055 Page 1 of 2

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

LABORATORIES

Chain of Custody

TEMP: _____

Required Fields Client/Company Name: Glacier Pure Water, LLC. Address: 418 Ivy Street #A City: Chicago State: CA Zip: 95928 Project Information: Annual Title 21 How would you like your completed results sent? <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Fax <input type="checkbox"/> BCL Quote # <input type="checkbox"/> Mail Only Sampler Name Printed / Signature: _____		Report Attention: Bruce Morgan Phone: 530-894-1016 FAX: 530-894-1016 E-mail: bigir@yahoo.com Carbon Credits: <input type="checkbox"/> CERS <input type="checkbox"/> Fresno Co <input type="checkbox"/> EPA <input type="checkbox"/> <input type="checkbox"/> Merced Co <input type="checkbox"/> Tulare Co <input type="checkbox"/> Other: _____ Regulatory Compliance Electronic Data Transfer: <input type="checkbox"/> Y <input type="checkbox"/> N System No.: _____		ANALYSIS REQUESTED Title 21 Bottled Water	
Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CW = Chlorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water W = Waste Water SW = Storm Water DW = Drinking Water SO = Solid					
Sample # 1		Date 4-24-08		Time 8:12	
Sample Description / Location Tahoe Pure		Matrix BW			
QC Request <input checked="" type="checkbox"/> STD <input type="checkbox"/> Level II		QC Request <input checked="" type="checkbox"/> STD <input type="checkbox"/> Day <input type="checkbox"/> Night			
Result Request <input checked="" type="checkbox"/> STD <input type="checkbox"/> Day <input type="checkbox"/> Night		Result Request <input checked="" type="checkbox"/> STD <input type="checkbox"/> Day <input type="checkbox"/> Night			
Comments / Station Code (Handwritten: DISCONTINUED, MR. J. W. G., SUB-OUT, SHORT HOUSING TIME, 4-19-08)					
Refinanced by: (Signature and Printed Name) Julian Legg		Company Tahoe Pure		Date 4/24/08	
Refinanced by: (Signature and Printed Name) Bruce Morgan		Company BC LABS		Date 4/19/08	
Received for Lab by: (Signature and Printed Name) Bruce Morgan		Company BC LABS		Date 4-19-08	
Shipping Method: CAO UPS GSO WALK-IN SVC FED EX OTHER		Cooling Method: WET BLUE NONE		Packing Material: Check/Cash/Carb PIA # Amount:	

30-PL-0017-00-00-00-00-00

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Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Chain of Custody and Cooler Receipt Form for 1813055 Page 2 of 2

BC LABORATORIES INC.		COOLER RECEIPT FORM		Page 2 of 1							
Submission #: 18-13055											
SHIPPING INFORMATION		SHIPPING CONTAINER		FREE LIQUID							
Fed Ex <input type="checkbox"/>	UPS <input type="checkbox"/>	Ontrac <input type="checkbox"/>	Hand Delivery <input type="checkbox"/>	Ice Chest <input checked="" type="checkbox"/>	None <input type="checkbox"/> Box <input type="checkbox"/>						
BC Lab Field Service <input type="checkbox"/>	Other (Specify) GSO	Other <input type="checkbox"/> (Specify)		YES <input type="checkbox"/> NO <input type="checkbox"/>							
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/>		Comments:									
Custody Seals: Ice Chest <input type="checkbox"/> Containers: <input type="checkbox"/>		None <input checked="" type="checkbox"/> Comments:									
Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>		Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>									
All samples received? Yes <input type="checkbox"/> No <input type="checkbox"/>		All samples containers intact? Yes <input type="checkbox"/> No <input type="checkbox"/>		Description(s) match COC? Yes <input type="checkbox"/> No <input type="checkbox"/>							
COC Received <input type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: 97 Container: 274		Thermometer ID: 274							
		Temperature: (A) 0.0 °C / (C) 0.8 °C		Date/Time: 4-19-18							
				Analyst Initials: J 12/2							
SAMPLE CONTAINERS		SAMPLE NUMBERS									
		1	2	3	4	5	6	7	8	9	10
QT PE UNPRES		1									
4oz / 8oz / 16oz PE UNPRES		2									
5 gal		3									
QT INORGANIC CHEMICAL METALS		4									
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz		5									
PT CYANIDE		6									
PT NITROGEN FORMS		7									
PT TOTAL SULFIDE		8									
2oz NITRATE / NITRITE		9									
PT TOTAL ORGANIC CARBON		10									
PT CHEMICAL OXYGEN DEMAND											
PIA PHENOLICS											
40ml VOA VIAL TRAVEL BLANK											
40ml VOA VIAL											
QT EPA 1664											
PT ODOR											
RADIOLOGICAL											
BACTERIOLOGICAL											
40 ml VOA VIAL- 504											
QT EPA 8060/8060											
QT EPA 8151/8150											
QT EPA 525											
QT EPA 525 TRAVEL BLANK											
40ml EPA 547											
40ml EPA 531.1											
8oz EPA 548											
QT EPA 549											
QT EPA 3015M											
QT EPA 8270											
8oz / 16oz / 32oz AMBER											
8oz / 16oz / 32oz JAR											
SOIL SLEEVE											
PCB VIAL											
PLASTIC BAG											
TEDLAR BAG											
FERROUS IRON											
ENCORE											
SMART KIT											
SUMMA CANISTER											

Comments:

Sample Numbering Completed By:

A = Actual / C = Corrected

JM

Date/Time:

4-24-18

0045

Rev 21 05/23/2016

\\NFDC\Work\Protect\LAB\BCCS\FORMS\BCCSRev 20

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Glacier Pure Water, LLC
418 Ivy Street Suite A
Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1813055-01	COC Number:	---	Receive Date: 04/19/2018 12:12
	Project Number:	---	Sampling Date: 04/24/2018 08:12
	Sampling Location:	---	Sample Depth: ---
	Sampling Point:	Tahoe Pure	Lab Matrix: Water
	Sampled By:	---	Sample Type: Blank Water

Glacier Pure Water, LLC
418 Ivy Street Suite A
Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01	Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM
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Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
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Inorganics

Chloride	EPA-300.0	ND	mg/L	1	0.50	250	04/24/18	04/24/18 17:41	
Fluoride	EPA-300.0	ND	mg/L	1	0.050	2.0	04/24/18	04/24/18 17:41	
Nitrate as N	EPA-300.0	ND	mg/L	1	0.10	10	04/24/18	04/24/18 17:41	
Sulfate	EPA-300.0	ND	mg/L	1	1.0	250	04/24/18	04/24/18 17:41	
Nitrate + Nitrite as N	Calc	ND	mg/L	1	0.10	10	04/24/18	05/03/18 21:01	
Turbidity	EPA-180.1	0.21	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	04/25/18	04/25/18 08:31	

Metals

Total Recoverable Aluminum	EPA-200.7	ND	mg/L	1	0.050	0.2	05/01/18	05/01/18 19:43	
Total Recoverable Antimony	EPA-200.8	ND	mg/L	1	0.0020	0.006	04/25/18	04/25/18 18:48	
Total Recoverable Arsenic	EPA-200.8	ND	mg/L	1	0.0020	0.010	04/25/18	04/25/18 18:48	
Total Recoverable Barium	EPA-200.7	ND	mg/L	1	0.010	2	05/01/18	05/01/18 19:43	
Total Recoverable Beryllium	EPA-200.8	ND	mg/L	1	0.0010	0.004	04/25/18	04/25/18 18:48	
Total Recoverable Cadmium	EPA-200.8	ND	mg/L	1	0.0010	0.005	04/25/18	04/25/18 18:48	
Total Recoverable Chromium	EPA-200.7	ND	mg/L	1	0.010	0.1	05/01/18	05/01/18 19:43	
Total Recoverable Copper	EPA-200.7	ND	mg/L	1	0.010	1.0	05/01/18	05/01/18 19:43	
Total Recoverable Iron	EPA-200.7	ND	mg/L	1	0.050	0.3	05/01/18	05/01/18 19:43	
Total Recoverable Lead	EPA-200.8	ND	mg/L	1	0.0010	0.005	04/25/18	04/25/18 18:48	
Total Recoverable Manganese	EPA-200.7	ND	mg/L	1	0.010	0.05	05/01/18	05/01/18 19:43	
Total Recoverable Mercury	EPA-245.1	ND	ug/L	1	0.20	2	04/26/18	04/26/18 15:13	
Total Recoverable Nickel	EPA-200.7	ND	mg/L	1	0.010	0.1	05/01/18	05/01/18 19:43	
Total Recoverable Selenium	EPA-200.8	ND	mg/L	1	0.0020	0.05	04/25/18	04/25/18 18:48	
Total Recoverable Silver	EPA-200.7	ND	mg/L	1	0.010	0.1	05/01/18	05/01/18 19:43	
Total Recoverable Thallium	EPA-200.8	ND	mg/L	1	0.0010	0.002	04/25/18	04/25/18 18:48	
Total Recoverable Zinc	EPA-200.7	ND	mg/L	1	0.050	5.0	05/01/18	05/01/18 19:43	

Organics

1,2-Dibromo-3-chloropropane	EPA-504.1	ND	ug/L	0.971	0.010	0.2	04/27/18	04/27/18 14:28	
Ethylene dibromide	EPA-504.1	ND	ug/L	0.971	0.010	0.05	04/27/18	04/27/18 14:28	
Aldrin	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
alpha-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
beta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
delta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
gamma-BHC (Lindane)	EPA-508	ND	ug/L	1	0.0050	0.2	04/26/18	04/28/18 00:01	

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Glacier Pure Water, LLC
 418 Ivy Street Suite A
 Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01		Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM							
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	04/26/18	04/28/18 00:01	
4,4'-DDD	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
4,4'-DDE	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
4,4'-DDT	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
Dieldrin	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
Endosulfan I	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
Endosulfan II	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
Endosulfan sulfate	EPA-508	ND	ug/L	1	0.0050	n/a	04/26/18	04/28/18 00:01	
Endrin	EPA-508	ND	ug/L	1	0.0050	2	04/26/18	04/28/18 00:01	
Endrin aldehyde	EPA-508	ND	ug/L	1	0.010	n/a	04/26/18	04/28/18 00:01	
Heptachlor	EPA-508	ND	ug/L	1	0.0050	0.4	04/26/18	04/28/18 00:01	
Heptachlor epoxide	EPA-508	ND	ug/L	1	0.0050	0.2	04/26/18	04/28/18 00:01	
Methoxychlor	EPA-508	ND	ug/L	1	0.0050	40	04/26/18	04/28/18 00:01	
Toxaphene	EPA-508	ND	ug/L	1	1.0	3	04/26/18	04/28/18 00:01	
PCB-1016	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
PCB-1221	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
PCB-1232	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
PCB-1242	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
PCB-1248	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
PCB-1254	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
PCB-1260	EPA-508	ND	ug/L	1	0.20	n/a	04/26/18	04/28/18 00:01	
Total PCB's (Summation)	EPA-508	ND	ug/L	1	0.20	0.5	04/26/18	04/28/18 00:01	
TCMX (Surrogate)	EPA-508	64.0	%	1	60 - 130 (LCL - UCL)		04/26/18	04/28/18 00:01	
Bentazon	EPA-515.1	ND	ug/L	1	0.80	n/a	04/26/18	04/30/18 11:55	
2,4-D	EPA-515.1	ND	ug/L	1	0.40	70	04/26/18	04/30/18 11:55	
Dalapon	EPA-515.1	ND	ug/L	1	5.0	200	04/26/18	04/30/18 11:55	
Dinoseb	EPA-515.1	ND	ug/L	1	0.20	7	04/26/18	04/30/18 11:55	
2,4,5-TP (Silvex)	EPA-515.1	ND	ug/L	1	0.070	50	04/26/18	04/30/18 11:55	
2,4-Dichlorophenylacetic acid (Surrogate)	EPA-515.1	54.5	%	1	40 - 120 (LCL - UCL)		04/26/18	04/30/18 11:55	
Benzene	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
Bromobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Bromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Bromodichloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Bromoform	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Bromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	V11

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 418 Ivy Street Suite A
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Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01		Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM							
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 01:52	
sec-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
tert-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Carbon tetrachloride	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
Chlorobenzene	EPA-524.2	ND	ug/L	1	0.50	100	04/28/18	04/29/18 01:52	
Chloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Chloroform	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Chloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
2-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
4-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Dibromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,2-Dibromo-3-chloropropane	EPA-524.2	ND	ug/L	1	1.0	0.2	04/28/18	04/29/18 01:52	
1,2-Dibromoethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Dibromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,2-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	600	04/28/18	04/29/18 01:52	
1,3-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,4-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	75	04/28/18	04/29/18 01:52	
Dichlorodifluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,1-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,2-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
1,1-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	7	04/28/18	04/29/18 01:52	
cis-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	70	04/28/18	04/29/18 01:52	
trans-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	100	04/28/18	04/29/18 01:52	
1,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
1,3-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
2,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,1-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
cis-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
trans-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Total 1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Ethylbenzene	EPA-524.2	ND	ug/L	1	0.50	700	04/28/18	04/29/18 01:52	
Hexachlorobutadiene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Isopropylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
p-Isopropyltoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Methylene chloride	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	

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Glacier Pure Water, LLC
 418 Ivy Street Suite A
 Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01		Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM							
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 01:52	
Naphthalene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
n-Propylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Styrene	EPA-524.2	ND	ug/L	1	0.50	100	04/28/18	04/29/18 01:52	
1,1,1,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,1,2,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Tetrachloroethene	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
Toluene	EPA-524.2	ND	ug/L	1	0.50	1000	04/28/18	04/29/18 01:52	
1,2,3-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,2,4-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	70	04/28/18	04/29/18 01:52	
1,1,1-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	200	04/28/18	04/29/18 01:52	
1,1,2-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
Trichloroethene	EPA-524.2	ND	ug/L	1	0.50	5	04/28/18	04/29/18 01:52	
Trichlorofluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,2,3-Trichloropropane	EPA-524.2	ND	ug/L	1	1.0	n/a	04/28/18	04/29/18 01:52	
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 01:52	
1,2,4-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,3,5-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
Vinyl chloride	EPA-524.2	ND	ug/L	1	0.50	2	04/28/18	04/29/18 01:52	
Total Xylenes	EPA-524.2	ND	ug/L	1	0.50	10000	04/28/18	04/29/18 01:52	
Total Trihalomethanes	EPA-524.2	ND	ug/L	1	2.0	10	04/28/18	04/29/18 01:52	
t-Amyl Methyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
t-Butyl alcohol	EPA-524.2	ND	ug/L	1	10	n/a	04/28/18	04/29/18 01:52	
Ethyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
p- & m-Xylenes	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
o-Xylene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
1,2-Dichloroethane-d4 (Surrogate)	EPA-524.2	95.4	%	1	75 - 125 (LCL - UCL)		04/28/18	04/29/18 01:52	
Toluene-d8 (Surrogate)	EPA-524.2	101	%	1	80 - 120 (LCL - UCL)		04/28/18	04/29/18 01:52	
4-Bromofluorobenzene (Surrogate)	EPA-524.2	101	%	1	80 - 120 (LCL - UCL)		04/28/18	04/29/18 01:52	
Acenaphthylene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 11:35	
Alachlor	EPA-525.2	ND	ug/L	1	0.20	2	04/25/18	05/07/18 11:35	
Anthracene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 11:35	
Atraton	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Atrazine	EPA-525.2	ND	ug/L	1	0.30	3	04/25/18	05/07/18 11:35	
Benzo[a]anthracene	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 11:35	

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Glacier Pure Water, LLC
418 Ivy Street Suite A
Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01		Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM							
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 11:35	
Benzo[k]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 11:35	
Benzo[a]pyrene	EPA-525.2	ND	ug/L	1	0.10	0.2	04/25/18	05/07/18 11:35	
Benzo[g,h,i]perylene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 11:35	
Benzyl butyl phthalate	EPA-525.2	ND	ug/L	1	4.0	n/a	04/25/18	05/07/18 11:35	
delta-BHC	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 11:35	
gamma-BHC (Lindane)	EPA-525.2	ND	ug/L	1	0.20	0.2	04/25/18	05/07/18 11:35	
Bromacil	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Chrysene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 11:35	
Diazinon	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 11:35	
Dibenzo[a,h]anthracene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 11:35	
Di(2-ethylhexyl)adipate	EPA-525.2	ND	ug/L	1	1.0	400	04/25/18	05/07/18 11:35	
Dimethoate	EPA-525.2	ND	ug/L	1	2.0	n/a	04/25/18	05/07/18 11:35	
Dimethyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	04/25/18	05/07/18 11:35	
Di-n-butyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	04/25/18	05/07/18 11:35	
Fluorene	EPA-525.2	ND	ug/L	1	0.20	n/a	04/25/18	05/07/18 11:35	
Hexachlorobenzene	EPA-525.2	ND	ug/L	1	0.20	1	04/25/18	05/07/18 11:35	
Hexachlorocyclopentadiene	EPA-525.2	ND	ug/L	1	1.0	50	04/25/18	05/07/18 11:35	
Indeno[1,2,3-cd]pyrene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/25/18	05/07/18 11:35	
Methoxychlor	EPA-525.2	ND	ug/L	1	0.30	40	04/25/18	05/07/18 11:35	
Metolachlor	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Metribuzin	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Molinate	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Phenanthrene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 11:35	
Prometon	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Prometryn	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Pyrene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/25/18	05/07/18 11:35	
Secbumeton	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Simazine	EPA-525.2	ND	ug/L	1	0.30	4	04/25/18	05/07/18 11:35	
Terbutryn	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Thiobencarb	EPA-525.2	ND	ug/L	1	0.50	n/a	04/25/18	05/07/18 11:35	
Perylene-d12 (Surrogate)	EPA-525.2	95.4	%	1	60 - 140 (LCL - UCL)		04/25/18	05/07/18 11:35	
Aldicarb	EPA-531.2	ND	ug/L	1	3.0	n/a	05/07/18	05/07/18 17:15	
Aldicarb sulfone	EPA-531.2	ND	ug/L	1	4.0	n/a	05/07/18	05/07/18 17:15	
Aldicarb sulfoxide	EPA-531.2	ND	ug/L	1	3.0	n/a	05/07/18	05/07/18 17:15	

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Glacier Pure Water, LLC
418 Ivy Street Suite A
Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01		Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM							
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	05/07/18	05/07/18 17:15	
Carbaryl	EPA-531.2	ND	ug/L	1	5.0	n/a	05/07/18	05/07/18 17:15	
Carbofuran	EPA-531.2	ND	ug/L	1	5.0	40	05/07/18	05/07/18 17:15	
3-Hydroxycarbofuran	EPA-531.2	ND	ug/L	1	3.0	n/a	05/07/18	05/07/18 17:15	
Methiocarb	EPA-531.2	ND	ug/L	1	5.0	n/a	05/07/18	05/07/18 17:15	
Methomyl	EPA-531.2	ND	ug/L	1	2.0	n/a	05/07/18	05/07/18 17:15	
Oxamyl	EPA-531.2	ND	ug/L	1	5.0	200	05/07/18	05/07/18 17:15	
BDMC (Surrogate)	EPA-531.2	106	%	1	70 - 130 (LCL - UCL)		05/07/18	05/07/18 17:15	
Endothal	EPA-548.1	ND	ug/L	10	20	100	04/27/18	05/04/18 08:26	
Diquat	EPA-549.2	ND	ug/L	1	4.0	20	04/27/18	04/30/18 12:21	
Uncategorized									
Decachlorobiphenyl (Surrogate)	EPA-508	45.1	%	1	60 - 130 (LCL - UCL)		04/26/18	04/28/18 00:01	S09
Pentachlorophenol	EPA-515.1	ND	ug/L	1	0.050	n/a	04/26/18	04/30/18 11:55	
Picloram	EPA-515.1	ND	ug/L	1	0.050	n/a	04/26/18	04/30/18 11:55	
Diisopropyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/28/18	04/29/18 01:52	
bis(2-Ethylhexyl)phthalate	EPA-525.2	ND	ug/L	1	3.0	n/a	04/25/18	05/07/18 11:35	
1,3-Dimethyl-2-nitrobenzene (Surrogate)	EPA-525.2	108	%	1	70 - 130 (LCL - UCL)		04/25/18	05/07/18 11:35	
Triphenylphosphate (Surrogate)	EPA-525.2	157	%	1	70 - 130 (LCL - UCL)		04/25/18	05/07/18 11:35	S09
Pyrene-d10 (Surrogate)	EPA-525.2	118	%	1	70 - 130 (LCL - UCL)		04/25/18	05/07/18 11:35	
1-Naphthol	EPA-531.2	ND	ug/L	1	5.0	n/a	05/07/18	05/07/18 17:15	
Glyphosate	EPA-547	ND	ug/L	1	25	n/a	04/27/18	04/27/18 15:17	
Dibromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/25/18	04/26/18 13:12	
Dichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/25/18	04/26/18 13:12	
Monobromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/25/18	04/26/18 13:12	
Monochloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/25/18	04/26/18 13:12	
Trichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/25/18	04/26/18 13:12	
Total HAA's (Summation)	EPA-552.3	ND	ug/L	1	1.0	n/a	04/25/18	04/26/18 13:12	
2,3-Dibromopropionic acid (Surrogate)	EPA-552.3	90.7	%	1	70 - 130 (LCL - UCL)		04/25/18	04/26/18 13:12	
Total Recoverable Calcium	EPA-200.7	ND	mg/L	1	0.10	n/a	05/01/18	05/01/18 19:43	
Total Recoverable Magnesium	EPA-200.7	ND	mg/L	1	0.050	n/a	05/01/18	05/01/18 19:43	
Total Recoverable Sodium	EPA-200.7	0.90	mg/L	1	0.50	n/a	05/01/18	05/01/18 19:43	
Total Recoverable Potassium	EPA-200.7	ND	mg/L	1	1.0	n/a	05/01/18	05/01/18 19:43	
Bicarbonate Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	04/30/18	04/30/18 19:46	
Carbonate Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	04/30/18	04/30/18 19:46	

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Glacier Pure Water, LLC
418 Ivy Street Suite A
Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

BCL Sample ID: 1813055-01		Client Sample Name: Tahoe Pure, 4/24/2018 8:12:00AM							
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	04/30/18	04/30/18 19:46	
Total Alkalinity as CaCO ₃	SM-2320B	ND	mg/L	1	4.1	n/a	04/30/18	04/30/18 19:46	
pH	SM-4500H B	5.44	pH Units	1	0.05	n/a	04/30/18	04/30/18 19:46	S05
Total Dissolved Solids @ 180 C	SM-2540C	ND	mg/L	0.250	2.5	n/a	04/27/18	04/27/18 16:00	
Color	SM-2120B	2.0	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	04/24/18	04/24/18 14:30	S05
Residual Chlorine	SM-4500-C LF	ND	mg/L	1	0.10	n/a	04/24/18	04/24/18 14:30	S05
Chlorine dioxide	SM-4500-C IO2-B	ND	mg/L	1	0.20	n/a	04/24/18	04/24/18 16:15	S05
Total Cyanide	EPA-335.4	ND	mg/L	1	0.0050	n/a	04/25/18	04/27/18 15:00	

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

A8D3283

5/08/2018

Invoice: A813105

Christina Herndon
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

RE: Report for A8D3283 General: Project Manager-Chrissy Hemdon

Dear Christina Herndon,

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 4/25/2018. 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

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A8D3283 FINAL 05082018 1602

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A8D3283

General: Project Manager-Chrissy Herndon

Case Narrative

Project and Report Details

Client: BC Laboratories
Report To: Christina Herndon
Project #: 1813055
Received: 4/25/2018 - 15:15
Report Due: 5/09/2018

Invoice Details

Invoice To: BC Laboratories
Invoice Attn: Christina Herndon
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 4.5

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
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:
Christina Herndon	FINAL.RPT	

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A8D3283 FINAL 05082018 1602

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A8D3283

General: Project Manager-Chrissy Herndon

1813055

Certificate of Analysis

Sample ID: A8D3283-01

Sampled By: Client

Sample Description: 1813055-01

Sample Date - Time: 04/24/18 - 08:12

Matrix: Drinking 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	103 %	Acceptable range: 90-115 %						

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A8D3283 FINAL 05082018 1602

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Page 3 of 8

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A8D3283

General: Project Manager-Chrissy Herndon

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
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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	
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Blank Spike (A806038-BS1)

Bromate	0.0091	0.0010	mg/L	0.010		91	85-115			05/05/18	
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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	0.0090	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	
---------	--------	--------	------	-------	----	----	--------	---	----	----------	--

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A8D3283 FINAL 05082018 1602

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Page 4 of 8

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A8D3283

General: Project Manager-Chrissy Herndon

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
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Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1813055 PDF File Name: wo_1813055_sub_BSKSA.pdf Page 6 of 8



A8D3283



04252018

BCLab4911

Turnaround: Standard

Due Date: 5/9/2018



BC Laboratories



Printed: 4/25/2018 5:13:05PM

Page 1 of 1

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#54
45

SUBCONTRACT ORDER

BC Laboratories

1813055

A8D3283
BCLab4911

04/25/2018
10



SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Christina Herndon

RECEIVING LABORATORY:

BSK Analytical Labs \$BSKSA-EINV
1414 Stanislaus Street
Fresno, CA 93706
Phone: (800) 877-8310
Fax: (559) 485-6935

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1813055-01	Water	Sampled: 04/24/18 08:12		
oi300.1w Chlorite BSKSA	05/03/18 17:00	05/08/18 08:12		Drinking Water
oi300.0w Bromate (ug/L.) BSKSA	05/03/18 17:00	05/22/18 08:12		Drinking Water
Containers Supplied:				

Released By: Date: 4-25-18
Received By: Date: 4-25-18 1515
w/bw/pms



BSK Associates SR-FL-0002-19

Sample Integrity

BSK Bottles: Yes No

Page 1 of 1

A&D3283
BCLab4911

04/25/2018
10



COC Info		Yes		No		NA		Were correct containers and preservatives received for the tests requested?		Yes		No		NA	
Was temperature within range?		Yes		No		NA				Yes		No		NA	
Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$															
If samples were taken today, is there evidence that chilling has begun?		Yes		No		NA		Bubbles Present VOAs (524.2/TCP/TTHM)?		Yes		No		NA	
Did all bottles arrive unbroken and intact?		Yes		No		NA		TB Received? (Check Method Below)		Yes		No		NA	
Did all bottle labels agree with COC?		Yes		No		NA		Was a sufficient amount of sample received?		Yes		No		NA	
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes		No		NA		Do samples have a hold time <72 hours?		Yes		No		NA	
								Was PM notified of discrepancies?		Yes		No		NA	
								PM:							
								By Time:							
250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)		Checks		Passed?											
Bacti Na ₂ S ₂ O ₃		—		—											
None (P) White Cap		—		—				1B*							
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		pH 9.0-9.5		P F											
HNO ₃ (P) Rec 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) 608/6081/6082, 625, 632/6321, 8151, 8270		—		—											
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—		—											
Ascorbic, EDTA, KH ₂ Ct (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		—		—				1A							
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624		—		—											
Buffer pH 4 (CG)		—		—											
H ₂ PO ₄ (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) 250mL (P) EDA 4-25-18 BJR		S P						S P							
S P								S P							
Comments		✓ Indicates Blanks Received													
		504 __ 524.2 __ TCP __ TTHM __ 537 __													
		8260/624 __													

Labeled by:

[Signature] @ 17:22

Labels checked by:

[Signature] @ 17:21

RUSH Paged by:



CERES Analytical Laboratory, Inc.

4919 Woodley Dr Suite 1, El Dorado Hills, CA 95762



May 1, 2018

Ceres ID: 12024

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308

The following report contains the results for the one drinking sample received on April 26, 2018. This sample was analyzed for 2,3,7,8-TCDD by EPA method 1613B. Routine turn-around time was provided for this work.

This work was authorized under the BC Laboratories Subcontract Order: 1813055.

Continuing Calibration Verification (CCV) Requirements

All associated calibration verification standard(s) (CCV) met the acceptance criteria.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com



Section I: Sample Inventory

<u>Ceres Sample ID:</u>	<u>Sample ID</u>	<u>Date Received</u>	<u>Collection Date & Time</u>
12024-001	1813055-01	4/26/2018	4/23/2018 8:12



Section II: Data Summary



CERES Analytical Laboratory, Inc.

4019 Windplay Dr Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample Method Blank Project ID: 1813055	QC Batch #: 1771 Matrix: Drinking Water Sample Size: 1.000 L	Date Received: NA Date Extracted: 4/30/2018 ZB-SMS Analysis: 4/30/2018
---	--	--

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.14	1.49	5.00		13C-2378-TCDD	84.3	31-137	
					<u>CRS</u>			
					37Cl4-2378-TCDD	77.1	35-197	
DL - Signifies Non-Detect (ND) at sample specific detection limit. EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure. (a) - Lower control limit - Upper control limit								

Analyst: JMH

Reviewed by: BS



CERES Analytical Laboratory, Inc.

4019 Windplay Dr Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample Ongoing Precision and Recovery Project ID: 1813055	QC Batch #: 1771 Matrix: Drinking Water Sample Size: 1.000 L	Date Received: NA Date Extracted: 4/30/2018 ZB-SMS Analysis: 4/30/2018
---	--	--

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.94	7.3-14.6	13C-2378-TCDD	95.6	25-141
			<u>CRS</u>		
			37C14-2378-TCDD	92.8	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH

Reviewed by: BS



CERES Analytical Laboratory, Inc.

4019 Windplay Dr Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 1813055-01		
Project ID: 1813055	Ceres Sample ID: 12024-001	Date Received: 4/26/2018
Date Collected: 4/24/2018	QC Batch #: 1771	Date Extracted: 4/30/2018
Time Collected: 8:12	Matrix: Drinking Water	ZB-SMS Analysis: 4/30/2018
	Sample Size: 0.943 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.71	1.49	5.30		13C-2378-TCDD	97.7	31-137	
					<u>CRS</u>			
					37C14-2378-TCDD	103	42-164	
DL - Signifies Non-Detect (ND) at sample specific detection limit. EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure. (a) - Lower control limit - Upper control limit								

Analyst: JMH

Reviewed by: BS



Section VI: Sample Tracking



12024

SUBCONTRACT ORDER

BC Laboratories

1813055


Q+Amber

SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Christina Herndon

RECEIVING LABORATORY:

Ceres Analytical Laboratory, Inc. SCRSNL
4919 Windplay Dr., Ste. 1
El Dorado Hills, CA 95762
Phone : (916) 932-5011
Fax: ---

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1813055-01	Water	Sampled:04/24/18 08:12		
ogl613w 2,3,7,8-TCDD FRNTL	05/03/18 17:00	04/23/19 08:12		Drinking Water
Containers Supplied:				

Released By



Date

4-25-18

Received By



Date

4-26-18 10:29

Released By

Date

Received By

Date

Sample Receipt Check List Logged by: AN (initials)

Ceres ID: <u>12024</u>	Date/Time: <u>4/26/18 10:29</u>
Client Project ID: <u>1813055</u>	Received Temp: <u>9.2</u> °C Acceptable: <u>(Y)</u> N
Chain of Custody Relinquished by signed?	<u>(Y)</u> N
Chain of Custody Received by signed?	<u>(Y)</u> N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	<u>(NA)</u>
Unlabeled / Illegible Samples	<u>(Y)</u> N
Proper Containers:	<u>(Y)</u> N
Preservation Acceptable (Chemical or Temperature)?	<u>(Y)</u> N
Drinking Water, Sodium Thiosulfate present? Residual Cl?	Y / N <u>(NA)</u> <u>(Y)</u> N
Aqueous sample pH: <u>7</u>	
List COC discrepancies:	<u>NOAN 4/26/18</u>
List Damaged Samples:	<u>NOAN 4/26/18</u>



Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery



Laboratory ID: 2568

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

SAMPLE CODE: 381260

5/8/2018

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

Source: 1813055-01

Date/Time Received: 5/1/2018 09:05

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	4/24/2018 11:12		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

Analyst	Tests
DHG	420.4

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Page 1 of 1 381260

Custom Compliance : Phenols

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

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Environmental Testing Laboratory Since 1949



Subcontract Report for 1813055 PDF File Name: wo_1813055_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

Ms. Christina Herndon
BC Laboratories
4100 Atlas Ct.
Bakersfield, CA 93308

RE: Project: 1813055
Pace Project No.: 30251331

Dear Ms. Herndon:

Enclosed are the analytical results for sample(s) received by the laboratory on May 01, 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

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

CERTIFICATIONS

Project: 1813055
Pace Project No.: 30251331

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

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

SAMPLE SUMMARY

Project: 1813055
Pace Project No.: 30251331

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30251331001	1813055-01	Drinking Water	04/24/18 08:12	05/01/18 09:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 1813055
Pace Project No.: 30251331

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30251331001	1813055-01	EPA 904.0	JLW	1

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 1813055
Pace Project No.: 30251331

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

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Page 5 of 10

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1813055

Pace Project No.: 30251331

Sample: 1813055-01 Lab ID: 30251331001 Collected: 04/24/18 08:12 Received: 05/01/18 09:30 Matrix: Drinking Water

PWS: Site ID: Sample Type:

Comments:

- Sample collection dates and times were not present on the sample containers.
- 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	0.662 ± 0.366 (0.707) C:86% T:79%	pCi/L	05/18/18 12:24	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1813055

Pace Project No.: 30251331

QC Batch: 296784

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228

Associated Lab Samples: 30251331001

METHOD BLANK: 1452630

Matrix: Water

Associated Lab Samples: 30251331001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.535 ± 0.325 (0.593) C:85% T:82%	pCi/L	05/18/18 12:25	

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.

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 1813055
Pace Project No.: 30251331

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 02:39 PM

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WO# : 30251331



SUBCONTRACT ORDER

BC Laboratories
1813055

Q-Red

SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Christina Herndon

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1813055-01	Water	Sampled:04/24/18 08:12		
om904.0w Radium228	05/03/18 17:00	10/22/18 08:12		Drinking Water
PACEA				
Containers Supplied:				

Released By *[Signature]* Date *4.25.18* Received By *[Signature]* Date *5-1-18 0930*

Released By _____ Date _____ Received By _____ Date _____



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Subcontract Report for 1813055 PDF File Name: wo_1813055_sub_PACEA.pdf Page 10 of 10

Pittsburgh Lab Sample Condition Upon Receipt

Face Analytical

Client Name: BC Labs

Project # 30251331

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

Tracking #: 1Z91537101340057351

Label

LIMS Login

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 5°C

Comments:	Yes	No	N/A	pH paper Lot#	Date and Initials of person examining contents:
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>10D3671</u>	<u>B2H 5-1-18</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes date/time/ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes date/time/ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Orthophosphate field filtered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Hex Cr Aqueous Compliance/NPDES sample field filtered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
exceptions: VOA, coliform, TOC, O&G, Phenolics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Initial when completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>B2H</u>	<u>5-1-18</u>
Lot # of added preservative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Trip Blank Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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 DEHMR 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.

A:\QAQC\Master\Document Management\Sample Mgmt\Sample Condition Upon Receipt Pittsburgh (C056-7 18Feb2018)

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Certificate of Analysis

FINAL REPORT

Work Orders: 8D26046

Project: 1813055

Attn: Christina Herndon

Client: BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Report Date: 5/09/2018

Received Date: 4/26/2018

Turnaround Time: Normal

Phones: (661) 852-4215

Fax: (661) 327-1918

P.O. #:

Billing Code:

Dear Christina Herndon,

Enclosed are the results of analyses for samples received 4/26/18 with the Chain-of-Custody document. The samples were received in good condition, at 9.8 °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: 1813055-01		Sampled: 04/24/18 8:12 by Client					
8D26046-01 (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	1.5		pCi/L	1	04/30/18 15:15		
Uncertainty: 0.409	MDA: 0.583						
Gross Beta	0.84		pCi/L	1	04/30/18 15:15		
Uncertainty: 0.583	MDA: 0.941						



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									

8D26046

Page 2 of 3

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

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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

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.

8D26046

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Glacier Pure Water, LLC
418 Ivy Street Suite A
Chico, CA 95928

Reported: 06/11/2018 11:51
Project: Annual Title 21
Project Number: [none]
Project Manager: Bruce Morgan

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