BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 05/09/2018

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Client Project:	Product Water
BCL Project:	Annual Title 21
BCL Work Order:	1811314
Invoice ID:	B303277

Enclosed are the results of analyses for samples received by the laboratory on 4/9/2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Christina Herndon
Client Service Rep

Authorized Signature

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

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	04/13/18	04/13/18 22:52	
Naphthalene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
n-Propylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Styrene	EPA-524.2	ND	ug/L	1	0.50	100	04/13/18	04/13/18 22:52	
1,1,1,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,1,2,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Tetrachloroethene	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
Toluene	EPA-524.2	ND	ug/L	1	0.50	1000	04/13/18	04/13/18 22:52	
1,2,3-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2,4-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	70	04/13/18	04/13/18 22:52	
1,1,1-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	200	04/13/18	04/13/18 22:52	
1,1,2-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
Trichloroethene	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
Trichlorofluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2,3-Trichloropropane	EPA-524.2	ND	ug/L	1	1.0	n/a	04/13/18	04/13/18 22:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2,4-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,3,5-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Vinyl chloride	EPA-524.2	ND	ug/L	1	0.50	2	04/13/18	04/13/18 22:52	
Total Xylenes	EPA-524.2	ND	ug/L	1	0.50	10000	04/13/18	04/13/18 22:52	
Total Trihalomethanes	EPA-524.2	4.7	ug/L	1	2.0	10	04/13/18	04/13/18 22:52	
t-Amyl Methyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
t-Butyl alcohol	EPA-524.2	ND	ug/L	1	10	n/a	04/13/18	04/13/18 22:52	
Ethyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
p- & m-Xylenes	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
o-Xylene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2-Dichloroethane-d4 (Surrogate)	EPA-524.2	103	%	1	75 - 125 (LCL - UCL)		04/13/18	04/13/18 22:52	
Toluene-d8 (Surrogate)	EPA-524.2	99.4	%	1	80 - 120 (LCL - UCL)		04/13/18	04/13/18 22:52	
4-Bromofluorobenzene (Surrogate)	EPA-524.2	93.7	%	1	80 - 120 (LCL - UCL)		04/13/18	04/13/18 22:52	
Acenaphthylene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/14/18	04/26/18 12:28	
Alachlor	EPA-525.2	ND	ug/L	1	0.20	2	04/14/18	04/26/18 12:28	
Anthracene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/14/18	04/26/18 12:28	
Atraton	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Atrazine	EPA-525.2	ND	ug/L	1	0.30	3	04/14/18	04/26/18 12:28	
Benzo[a]anthracene	EPA-525.2	ND	ug/L	1	0.20	n/a	04/14/18	04/26/18 12:28	

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

Organics

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Benzo[b]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/14/18	04/26/18 12:28	
Benzo[k]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/14/18	04/26/18 12:28	
Benzo[a]pyrene	EPA-525.2	ND	ug/L	1	0.10	0.2	04/14/18	04/26/18 12:28	
Benzo[g,h,i]perylene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/14/18	04/26/18 12:28	
Benzyl butyl phthalate	EPA-525.2	ND	ug/L	1	4.0	n/a	04/14/18	04/26/18 12:28	
delta-BHC	EPA-525.2	ND	ug/L	1	0.20	n/a	04/14/18	04/26/18 12:28	
gamma-BHC (Lindane)	EPA-525.2	ND	ug/L	1	0.20	0.2	04/14/18	04/26/18 12:28	
Bromacil	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Chrysene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/14/18	04/26/18 12:28	
Diazinon	EPA-525.2	ND	ug/L	1	0.20	n/a	04/14/18	04/26/18 12:28	
Dibenzo[a,h]anthracene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/14/18	04/26/18 12:28	
Di(2-ethylhexyl)adipate	EPA-525.2	ND	ug/L	1	1.0	400	04/14/18	04/26/18 12:28	
Dimethoate	EPA-525.2	ND	ug/L	1	2.0	n/a	04/14/18	04/26/18 12:28	
Dimethyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	04/14/18	04/26/18 12:28	
Di-n-butyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	04/14/18	04/26/18 12:28	
Fluorene	EPA-525.2	ND	ug/L	1	0.20	n/a	04/14/18	04/26/18 12:28	
Hexachlorobenzene	EPA-525.2	ND	ug/L	1	0.20	1	04/14/18	04/26/18 12:28	
Hexachlorocyclopentadiene	EPA-525.2	ND	ug/L	1	1.0	50	04/14/18	04/26/18 12:28	
Indeno[1,2,3-cd]pyrene	EPA-525.2	ND	ug/L	1	0.30	n/a	04/14/18	04/26/18 12:28	
Methoxychlor	EPA-525.2	ND	ug/L	1	0.30	40	04/14/18	04/26/18 12:28	
Metolachlor	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Metribuzin	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Molinate	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Phenanthrene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/14/18	04/26/18 12:28	
Prometon	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Prometryn	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Pyrene	EPA-525.2	ND	ug/L	1	0.10	n/a	04/14/18	04/26/18 12:28	
Secbumeton	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Simazine	EPA-525.2	ND	ug/L	1	0.30	4	04/14/18	04/26/18 12:28	
Terbutryn	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Thiobencarb	EPA-525.2	ND	ug/L	1	0.50	n/a	04/14/18	04/26/18 12:28	
Perylene-d12 (Surrogate)	EPA-525.2	90.8	%	1	60 - 140 (LCL - UCL)		04/14/18	04/26/18 12:28	
Endothal	EPA-548.1	ND	ug/L	10	20	100	04/16/18	04/18/18 20:49	
Diquat	EPA-549.2	ND	ug/L	1	4.0	20	04/16/18	04/18/18 12:58	

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Uncategorized									
Decachlorobiphenyl (Surrogate)	EPA-508	94.3	%	1	60 - 130 (LCL - UCL)		04/12/18	04/13/18 20:01	
Pentachlorophenol	EPA-515.1	ND	ug/L	1.020	0.050	n/a	04/12/18	04/19/18 21:50	
Picloram	EPA-515.1	ND	ug/L	1.020	0.050	n/a	04/12/18	04/19/18 21:50	
Diisopropyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
bis(2-Ethylhexyl)phthalate	EPA-525.2	ND	ug/L	1	3.0	n/a	04/14/18	04/26/18 12:28	
1,3-Dimethyl-2-nitrobenzene (Surrogate)	EPA-525.2	109	%	1	70 - 130 (LCL - UCL)		04/14/18	04/26/18 12:28	
Triphenylphosphate (Surrogate)	EPA-525.2	137	%	1	70 - 130 (LCL - UCL)		04/14/18	04/26/18 12:28	S09
Pyrene-d10 (Surrogate)	EPA-525.2	116	%	1	70 - 130 (LCL - UCL)		04/14/18	04/26/18 12:28	
1-Naphthol	EPA-531.2	ND	ug/L	1	5.0	n/a	04/17/18	04/18/18 01:02	
Aldicarb	EPA-531.2	ND	ug/L	1	3.0	n/a	04/17/18	04/18/18 01:02	
Aldicarb sulfone	EPA-531.2	ND	ug/L	1	4.0	n/a	04/17/18	04/18/18 01:02	
Aldicarb sulfoxide	EPA-531.2	ND	ug/L	1	3.0	n/a	04/17/18	04/18/18 01:02	
Propoxur	EPA-531.2	ND	ug/L	1	5.0	n/a	04/17/18	04/18/18 01:02	
Carbaryl	EPA-531.2	ND	ug/L	1	5.0	n/a	04/17/18	04/18/18 01:02	
Carbofuran	EPA-531.2	ND	ug/L	1	5.0	n/a	04/17/18	04/18/18 01:02	
3-Hydroxycarbofuran	EPA-531.2	ND	ug/L	1	3.0	n/a	04/17/18	04/18/18 01:02	
Methiocarb	EPA-531.2	ND	ug/L	1	5.0	n/a	04/17/18	04/18/18 01:02	
Methomyl	EPA-531.2	ND	ug/L	1	2.0	n/a	04/17/18	04/18/18 01:02	
Oxamyl	EPA-531.2	ND	ug/L	1	5.0	n/a	04/17/18	04/18/18 01:02	
BDMC (Surrogate)	EPA-531.2	82.8	%	1	70 - 130 (LCL - UCL)		04/17/18	04/18/18 01:02	
Glyphosate	EPA-547	ND	ug/L	1	25	n/a	04/10/18	04/10/18 19:56	
Dibromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/15/18	04/17/18 11:00	
Dichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/15/18	04/17/18 11:00	
Monobromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/15/18	04/17/18 11:00	
Monochloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/15/18	04/17/18 11:00	
Trichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	04/15/18	04/17/18 11:00	
Total HAA's (Summation)	EPA-552.3	ND	ug/L	1	1.0	n/a	04/15/18	04/17/18 11:00	
2,3-Dibromopropionic acid (Surrogate)	EPA-552.3	105	%	1	70 - 130 (LCL - UCL)		04/15/18	04/17/18 11:00	
Total Recoverable Calcium	EPA-200.7	ND	mg/L	1	0.10	n/a	04/19/18	04/20/18 16:51	
Total Recoverable Magnesium	EPA-200.7	ND	mg/L	1	0.050	n/a	04/19/18	04/20/18 16:51	
Total Recoverable Sodium	EPA-200.7	0.53	mg/L	1	0.50	n/a	04/19/18	04/20/18 16:51	
Total Recoverable Potassium	EPA-200.7	ND	mg/L	1	1.0	n/a	04/19/18	04/20/18 16:51	
Bicarbonate Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	04/17/18	04/17/18 08:59	
Carbonate Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	04/17/18	04/17/18 08:59	
Hydroxide Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	04/17/18	04/17/18 08:59	

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Uncategorized									
Total Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	04/17/18	04/17/18 08:59	
pH	SM-4500H B	6.20	pH Units	1	0.05	n/a	04/17/18	04/17/18 08:59	S05
Total Dissolved Solids @ 180 C	SM-2540C	5.0	mg/L	0.250	2.5	n/a	04/16/18	04/16/18 16:30	
Color	SM-2120B	1.0	Color Units	1	1.0	n/a	04/11/18	04/11/18 08:00	
Odor	SM-2150B	No Obs Odor	Odor Units	1	1.0	n/a	04/11/18	04/11/18 08:00	
Chloramine as Cl2	SM-4500-Cl LF	ND	mg/L	1	0.10	n/a	04/10/18	04/10/18 14:35	S05
Residual Chlorine	SM-4500-Cl LF	ND	mg/L	1	0.10	n/a	04/10/18	04/10/18 14:35	S05
Chlorine dioxide	SM-4500-ClO2-B	ND	mg/L	1	0.20	n/a	04/10/18	04/10/18 15:15	S05
Total Cyanide	EPA-335.4	ND	mg/L	1	0.0050	n/a	04/13/18	04/16/18 11:09	

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

A8D1634
4/25/2018
Invoice: A811590

Christina Herndon
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

RE: Report for A8D1634 General: Project Manager-Chrissy Herndon

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 4/11/2018. 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.

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,

Adam Trevarrow, 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.

A8D1634 FINAL 04252018 1328

BSK ASSOCIATES

A8D1634

General: Project Manager-Chrissy Herndon

Case Narrative

Project and Report Details		Invoice Details	
Client:	BC Laboratories	**Invoice To:**	BC Laboratories
Report To:	Christina Herndon	**Invoice Attn:**	Christina Herndon
Project #:	1811314	**Project PO#:**	-
Received:	4/11/2018 - 17:10		
Report Due:	4/26/2018		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 4.0

Containers Intact
COC/Labels Agree
Received On Wet Ice
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:

SR3.0 Surrogate recovery exceeds control limits. No material impact as all associated spike recoveries are within acceptable limits.

Report Distribution

Recipient(s)	Report Format	CC:
Christina Herndon	FINAL.RPT	

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BSK ASSOCIATES

A8D1634

General: Project Manager-Chrissy Herndon

1811314

Certificate of Analysis

Sample ID: A8D1634-01
Sampled By: Client
Sample Description: 1811314-01

Sample Date - Time: 04/10/18 - 12:05
Matrix: 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	A804976	04/12/18	04/12/18	
Chlorite	EPA 300.1	ND	0.0050	mg/L	1	A805190	04/17/18	04/17/18	
Surrogate: Dichloroacetate	EPA 300.1	102 %	*Acceptable range:*	*90-115*	%				

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A8D1634 FINAL 04252018 1328

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BSK ASSOCIATES

A8D1634

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
EPA 300.1 - Quality Control											
Batch: A805190										Prepared: 4/18/2018	
Prep Method: Method Specific Preparation										Analyst: RES	
Blank (A805190-BLK1)											
Chlorite	ND	0.0050	mg/L							04/18/18	
Surrogate: Dichloroacetate	*0.512*			*0.50*		*102*	*90-115*			04/18/18	
Blank Spike (A805190-BS1)											
Chlorite	0.19	0.0050	mg/L	0.20		96	85-115			04/17/18	
Surrogate: Dichloroacetate	*0.358*			*0.50*		*72*	*90-115*			04/17/18	*SR3.0*
Blank Spike Dup (A805190-BSD1)											
Chlorite	0.20	0.0050	mg/L	0.20		102	85-115	6	10	04/17/18	
Surrogate: Dichloroacetate	*0.339*			*0.50*		*68*	*90-115*			04/17/18	*SR3.0*
Matrix Spike (A805190-MS1), Source: A8D1628-01											
Chlorite	0.20	0.010	mg/L	0.20	ND	101	75-125			04/17/18	
Surrogate: Dichloroacetate	*1.03*			*1.0*		*103*	*90-115*			04/17/18	
Matrix Spike (A805190-MS2), Source: A8D1953-01											
Chlorite	0.18	0.010	mg/L	0.20	ND	90	75-125			04/17/18	
Surrogate: Dichloroacetate	*1.02*			*1.0*		*102*	*90-115*			04/17/18	
Matrix Spike Dup (A805190-MSD1), Source: A8D1628-01											
Chlorite	0.19	0.010	mg/L	0.20	ND	97	75-125	4	10	04/17/18	
Surrogate: Dichloroacetate	*1.03*			*1.0*		*103*	*90-115*			04/17/18	
Matrix Spike Dup (A805190-MSD2), Source: A8D1953-01											
Chlorite	0.18	0.010	mg/L	0.20	ND	90	75-125	0	10	04/17/18	
Surrogate: Dichloroacetate	*1.04*			*1.0*		*104*	*90-115*			04/17/18	
EPA 317.0 - Quality Control											
Batch: A804976										Prepared: 4/12/2018	
Prep Method: Method Specific Preparation										Analyst: JMS	
Blank (A804976-BLK1)											
Bromate	ND	0.0010	mg/L							04/12/18	
Blank Spike (A804976-BS1)											
Bromate	0.011	0.0010	mg/L	0.010		106	85-115			04/12/18	
Blank Spike Dup (A804976-BSD1)											
Bromate	0.011	0.0010	mg/L	0.010		107	85-115	1	10	04/12/18	
Matrix Spike (A804976-MS1), Source: A8D1634-01											
Bromate	0.010	0.0010	mg/L	0.010	ND	102	75-125			04/12/18	
Matrix Spike Dup (A804976-MSD1), Source: A8D1634-01											
Bromate	0.011	0.0010	mg/L	0.010	ND	106	75-125	4	10	04/12/18	

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.

A8D1634 FINAL 04252018 1328

BSK ASSOCIATES

A8D1634

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 un-reliability 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 Mult:	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.

A8D1634 FINAL 04252018 1328

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A8D1634

04112018

BCLab4911

Turnaround: Standard
Due Date: 4/26/2018

BC Laboratories

Printed: 4/11/2018 7:39:48PM
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#54
4.0

SUBCONTRACT ORDER
BC Laboratories
1811314

A8D1634
BCLab4911

04/11/2018
10

BSKSA

SENDING LABORATORY:

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

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: 1811314-01 **Water**		**Sampled: 04/10/18 12:05**	
EPA 300.0 - Bromate	04/23/18 17:00	05/08/18 12:05	
EPA 300.1 - Chlorite	04/23/18 17:00	04/24/18 12:05	
Containers supplied:			

4.11.18
Released By Date Received By Date

4-11-18 1710
Released By Date Received By Date

w/BW / pms

BSKSA

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BSK Associates SR-FL-0002-19

Sample Integrity

A8D1654 04/11/2018
BCLab4911 10

BSK Bottles: Yes (No) Page 1 of 1

COC Info

Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	(Yes) No NA
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)
		TB Received? (Check Method Below)	Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	Do samples have a hold time <72 hours?	(Yes) No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA)	Was PM notified of discrepancies? PM: By/Time:	Yes No (NA)

Bottles Received "—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?					
Bacti $Na_2S_2O_3$	—	—					
None (P) White Cap	—	—	B/B				
Cr6 (P) Lt. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ DW	Cl, pH > 8	P F					
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ WW	pH 9.3-9.7	P F					
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ 7199 ***24 HOUR HOLD TIME***	pH 9.0-9.5	P F				4-11-18	
HNO_3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	—	—					
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	P F				R	
NaOH (P) Green Cap	Cl, pH >10	P F					
NaOH + ZnAc (P)	pH > 9	P F					
Dissolved Oxygen 300ml (g)	—	—					
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—					
HCl (AG) Lt. Blue Label O&G, Diesel, TCP	—	—					
Ascorbic, EDTA, KH_2Cl (AG) Pink Label 525	—	—					
Na_2SO_3 250mL (AG) Neon Green Label 515	—	—					
$Na_2S_2O_3$ 1 Liter (Brown P) 548	—	—					
$Na_2S_2O_3$ (AG) Blue Label 548, THM, 524	—	—					
$Na_2S_2O_3$ (CG) Blue Label 504, 505, 547	—	—					
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	P F					
NH_4Cl (AG) Purple Label 552	—	—					
EDA (AG) Brown Label DBPs	—	—	1A				
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—					
Buffer pH 4 (CG)	—	—					
H_3PO_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)	250 mL (A)	EPA	4-11-18 1712 R	S P			
	S P				S P			

Comments

✓ **Indicates Blanks Received**

504 __ 524.2 __ TCP __ TTHM __ 537 __

8260/624 __

Labeled by: @1852 Labels checked by: @1855 RUSH Paged by: @

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FRONTIER ANALYTICAL LABORATORY

NELAP ACCREDITED TNI LABORATORY

April 27 2018

FAL Project 11449

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

Dear Ms. Herndon,

The following results are associated with Frontier Analytical Laboratory project 11449. This corresponds to your subcontract order 1811314. One drinking water sample was received on 4/12/2018. 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 11449.

Please note that the sample was received at a temperature of eight degrees Celsius which is outside the method recommended sample receipt temperature range. Although dioxins and furans are considered to be very stable at ambient room temperatures, we are required by NELAP to report this anomaly to you.

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 11449, 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

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

FRONTIER ANALYTICAL LABORATORY

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **11449**

Received on: **04/12/2018** Project Due: **05/04/2018** Storage: **R-3**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
11449-001-SA	0	1811314	1811314-01	EPA 1613 TCDD	Drinking Water	04/10/2018	12:05 pm	04/10/2019

000002 of 000008

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EPA Method 1613
TCDD

FRONTIER ANALYTICAL LABORATORY

FAL ID: 11449-001-MB
Client ID: Method Blank
Matrix: Drinking Water
Batch No: X4486

Date Extracted: 04-24-2018
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-12-22-17
GC Column: DB5MS
Units: pg/L

Acquired: 04-26-2018
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.729		0.235

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	91.3	31.0 - 137	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	86.8	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: 4/27/2018

Reviewed By: _____
Date: 4/27/2018

000003 of 000008

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EPA Method 1613
TCDD

FRONTIER ANALYTICAL LABORATORY

FAL ID: 11449-001-OPR
Client ID: OPR
Matrix: Drinking Water
Batch No: X4486

Date Extracted: 04-24-2018
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-12-22-17
GC Column: DB5MS
Units: ng/ml

Acquired: 04-26-2018
WHO TEQ: NA

Compound	Conc	QC Limits
2,3,7,8-TCDD	11.1	7.30 - 14.6

Internal Standards	% Rec	QC Limits
13C-2,3,7,8-TCDD	88.0	25.0 - 141

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	85.2	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: 4/27/2018

Reviewed By: _____
Date: 4/27/2018

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

EPA Method 1613
TCDD

FRONTIER ANALYTICAL LABORATORY

FAL ID: 11449-001-SA
Client ID: 1811314-01
Matrix: Drinking Water
Batch No: X4486

Date Extracted: 04-24-2018
Date Received: 04-12-2018
Amount: 0.937 L

ICal: PCDDFAL3-12-22-17
GC Column: DB5MS
Units: pg/L

Acquired: 04-26-2018
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.765		0.235

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	89.3	31.0 - 137	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	93.1	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: 4/27/2018

Reviewed By: _____
Date: 4/27/2018

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

SUBCONTRACT ORDER
BC Laboratories
1811314

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

FRNTL

11449
8°C

Analysis	Due	Expires	Comments
Sample ID: 1811314-01 **Water**	**Sampled: 04/10/18 12:05**		purified
EPA 1613B - 2,3,7,8-TCDD	04/23/18 17:00	04/09/19 12:05	
Containers supplied:			

Released By 4.11.18 Date — Received By [signature] Date 4/12/18 945

Released By Date — Received By Date

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FRNTL

Page 1 of 1

FRONTIER ANALYTICAL LABORATORY

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **11449**

Client:	BC Laboratories, Inc
Client Project ID:	1811314
Date Received:	04/12/2018
Time Received:	09:45 am
Received By:	KZ
Logged In By:	SL
# of Samples Received:	1
Duplicates:	0
Storage Location:	R-3

Method of Delivery:	Golden State Overnight
Tracking Number:	470570411183718129 15
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	8
Cooling Method	Melted 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:

Please note that this sample was received at a temperature of eight degrees Celsius which is outside of the method recommended sample receipt temperature range. Although dioxins/furans and PCBs are considered to be very stable at ambient room temperatures, we are required by NELAP to report this anomaly to you.

000007 of 000008

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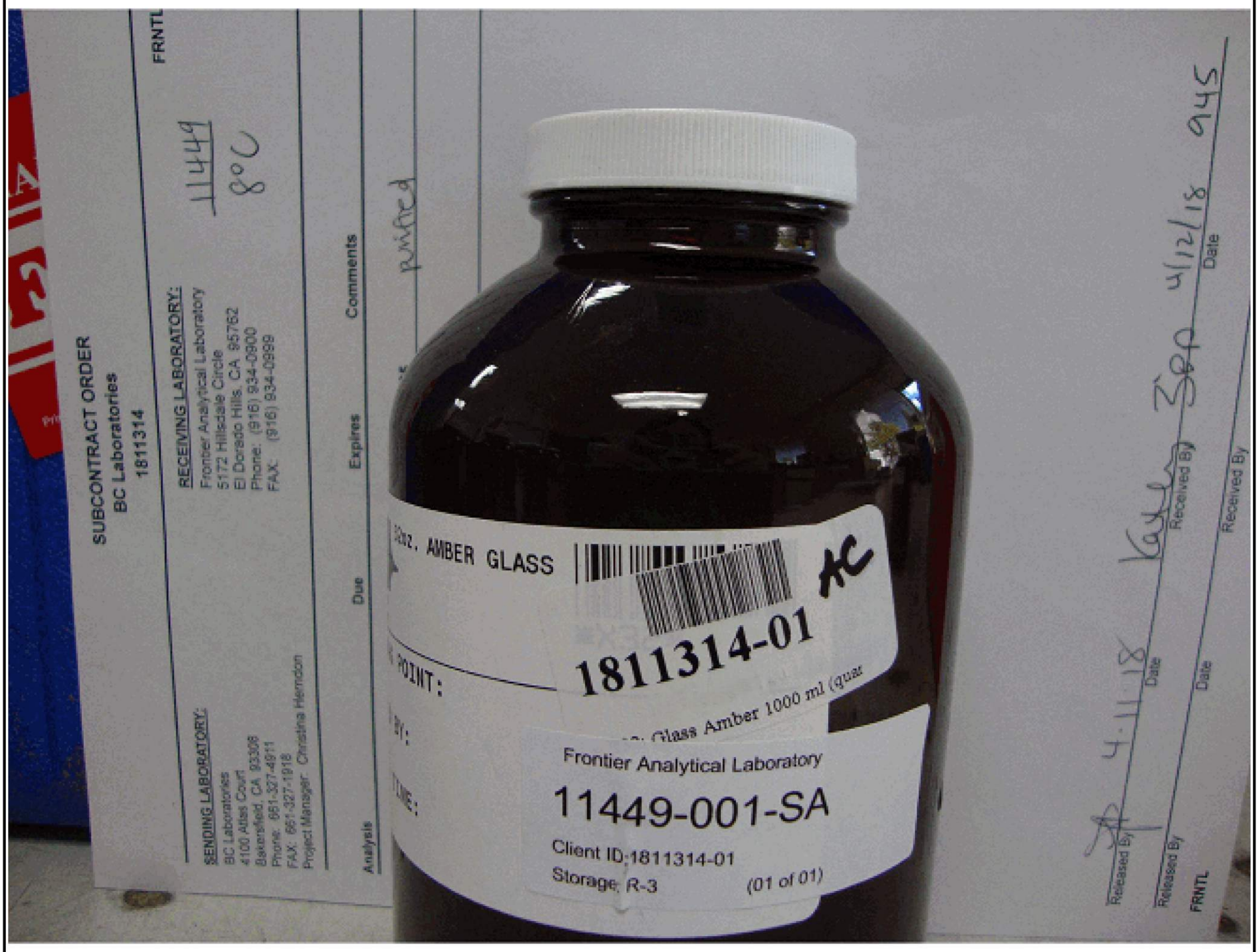
FRONTIER ANALYTICAL LABORATORY



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

Executive Summary - MCL Exceedances

Constituent	Result	PQL	MCL	Units	Method	Lab Quals

No exceedances found

Laboratory ID: 2566

National Testing Laboratories, Ltd
556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 380809

4/20/2018

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

Source: 1811314-01

Date/Time Received: 4/13/2018 08:51

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	4/10/2018	15:05		4/17/2018

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.

Analyst	Tests
DHG	420.4

Christine MacMillan, Technical Director

Pace Analytical®
www.pacelabs.com

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

May 09, 2018

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

RE: Project: 1811314
Pace Project No.: 30249989

Dear Ms. Herndon:
Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 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

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

CERTIFICATIONS

Project: 1811314
Pace Project No.: 30249989

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 #: PA01547
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

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

SAMPLE SUMMARY

Project: 1811314
Pace Project No.: 30249989

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30249989001	1811314-01	Drinking Water	04/10/18 12:05	04/18/18 10:00

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

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

SAMPLE ANALYTE COUNT

Project: 1811314
Pace Project No.: 30249989

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30249989001	1811314-01	EPA 904.0	JLW	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

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

PROJECT NARRATIVE

Project: 1811314
Pace Project No.: 30249989

Method: EPA 904.0
Description: 904.0 Radium 228
Client: BC Laboratories
Date: May 09, 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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1811314
Pace Project No.: 30249989

Sample: 1811314-01 Lab ID: 30249989001 Collected: 04/10/18 12:05 Received: 04/18/18 10:00 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	0.566 ± 0.341 (0.657) C:78% T:83%	pCi/L	05/08/18 12:09	15262-20-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1811314
Pace Project No.: 30249989

QC Batch: 295502 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30249989001

METHOD BLANK: 1446601 Matrix: Water
Associated Lab Samples: 30249989001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.601 ± 0.389 (0.741) C:84% T:81%	pCi/L	05/08/18 12:08	

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

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Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 1811314
Pace Project No.: 30249989

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

SUBCONTRACT ORDER
BC Laboratories
1811314

SENDING LABORATORY:

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

RECEIVING LABORATORY: PACEA

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

Analysis	Due	Expires	Comments
Sample ID: 1811314-01	**Water**	**Sampled: 04/10/18 12:05**	001
EPA 904.0 Radium 228	04/23/18 17:00	10/08/18 12:05	
Containers supplied:			

WO# : 30249989
30249989

4-11-18 — Released By — Date
Received By — 4-16-18 1020 — Date
Released By — Date
Received By — Date

PACEA

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

BC LABORATORIES

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Chain of Custody

18-11314

* Required Fields

TEMP: _____

Client/Company Name *:	Report Attention *:	Phone * #:760-542-8473 FAX *
Solar Rain Bottled Water	Bjarne Kjaer	E-mail: info@solarrainwatery.com

Address *	City *	State *	Zip *
29219 Juba Road	Valley Center	CA	92082

Project Information: Annual Title 21

PO #

BCL Quote #

How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only

Sampler Name Printed / Signature

QC Request: ☑ STD ☐ Level II

Result Request ** Surcharge: ☐ STD ☐ 5 Day** ☐ 2 Day** ☐ 1 Day**

Carbon Copies: CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:

Regulatory Compliance Electronic Data Transfer: Y ☐ N ☑ System No. *

ANALYSIS REQUESTED

Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	Title 21 Product Water Group Test
-1		4/4/18	1165	Famous Ramona Purified Water	BW		✓

SUB-OUT ✓

SHORT HOLDING TIME
Cr^{+6} NO_3 NO_2 OP SS
DO Cl_2 SOD MBAS COD

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Print Name)	Company
[signature]	Solar Rain	4/6/18	16:33	[signature] Mark Ellis	BCL
[signature] Mark Ellis	BCL	4/9/18	1300	[signature]	BCL 4/9/18 1745
Received for Lab by: (Signature and Printed Name) [signature]		4/9/18	2030	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material:

[signature] 4/9/18 2030

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: BC Project # 30249989 -

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

Label RS

LIMS Login RS

Tracking #: TOM

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

Thermometer Used NA 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

pH paper Lot# 190171 Date and Initials of person examining contents: RS 4-18-18

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

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 DEHNR 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 (C050-7 16Feb2018)

Page 10 of 10

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8D12032

Project: 1811314

Attn: Christina Herndon

Client: BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Report Date: 4/30/2018
Received Date: 4/12/2018
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 4/12/18 with the Chain-of-Custody document. The samples were received in good condition, at 9.6 °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: 1811314-01 Sampled: 04/10/18 12:05 by Client
8D12032-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 900.0 **Batch ID:** W8D0799 **Instr:** Inst **Prepared:** 04/13/18 07:53 **Analyst:** sap						
Gross Alpha	**1.1**		pCi/L	1	04/17/18 13:54	
Uncertainty: 0.52 **MDA:** 0.828						
Gross Beta	**0.15**		pCi/L	1	04/17/18 13:54	
Uncertainty: 0.626 **MDA:** 1.039						

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

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: W8D0799 - Radiochemistry General Preparation										
Blank (W8D0799-BLK1)				Prepared: 04/13/18 Analyzed: 04/16/18						
Gross Alpha	-0.12		pCi/L							
Uncertainty: 0.447	MDA: 0.773									
Gross Beta	-0.37		pCi/L							
Uncertainty: 0.574	MDA: 0.951									
LCS (W8D0799-BS1)				Prepared: 04/13/18 Analyzed: 04/16/18						
Gross Alpha	11		pCi/L	12.0		96	64-139			
Uncertainty: 0.783	MDA: 0.668									
Gross Beta	13		pCi/L	14.7		89	77-138			
Uncertainty: 0.854	MDA: 0.911									
LCS Dup (W8D0799-BSD1)				Prepared: 04/13/18 Analyzed: 04/17/18						
Gross Alpha	12		pCi/L	12.0		99	64-139	3	30	
Uncertainty: 0.792	MDA: 0.668									
Gross Beta	13		pCi/L	14.7		91	77-138	2	30	
Uncertainty: 0.86	MDA: 0.911									

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

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.
DI	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 • EPA-UCMR #CA00211 • ISO 17025 #L2457.01 • LACSD #10143 • 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.

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Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

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

Chain of Custody and Cooler Receipt Form for 1811314 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 19-11314

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☒
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐
W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received
☒ YES ☐ NO

Emissivity: — Container: 5gallon Thermometer ID: — Date/Time 4/9/2030

Temperature: (A) Room °C / (C) room °C Analyst Init DB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES	M,N									
4oz / 8oz / 16oz PE UNPRES	O									
2oz CT 1 gal	A-F									
QT INORGANIC CHEMICAL METALS	P,Q,R									
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz	S									
PT CYANIDE	T									
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS 8270	U,V									
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL 8260	F,G,H									
QT EPA 1664										
PT ODOR	W									
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504	I,J									
QT EPA 508/608/8080	X									
QT EPA 515.1/8150	Y									
QT EPA 525	Z									
QT EPA 525 TRAVEL BLANK										
40ml EPA 547	K									
40ml EPA 531.1	L									
8oz EPA 548	"AA"									
QT EPA 549	"AB"									
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER	"AC" "AD"									
8oz / 16oz / 32oz JAR Ambeo	"AE"									
SOIL SLEEVE	"AF"									
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: JM Date/Time: 4-10-19 1054
\ = Actual / C = Corrected

Rev 21 05/23/2016
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1811314-01	**COC Number:**	---	**Receive Date:**	04/09/2018 17:45
	Project Number:	---	**Sampling Date:**	04/10/2018 12:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	Solar Rain Botled Water	**Lab Matrix:**	Water
	Sampled By:	Bjarne Kjaer	**Sample Type:**	Blank Water

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

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	04/11/18	04/11/18 16:52	
Fluoride	EPA-300.0	ND	mg/L	1	0.050	2.0	04/11/18	04/11/18 16:52	
Nitrate as N	EPA-300.0	ND	mg/L	1	0.10	10	04/11/18	04/11/18 16:52	
Sulfate	EPA-300.0	ND	mg/L	1	1.0	250	04/11/18	04/11/18 16:52	
Nitrate + Nitrite as N	Calc	ND	mg/L	1	0.10	10	04/10/18	04/17/18 22:01	
Turbidity	EPA-180.1	0.24	NT Units	1	0.10	5	04/11/18	04/11/18 08:00	
Nitrite as N	EPA-353.2	ND	mg/L	1	0.050	1	04/11/18	04/11/18 08:53	
Metals									
Total Recoverable Aluminum	EPA-200.7	ND	mg/L	1	0.050	0.2	04/19/18	04/20/18 16:51	
Total Recoverable Antimony	EPA-200.8	ND	mg/L	1	0.0020	0.006	04/11/18	04/12/18 02:37	
Total Recoverable Arsenic	EPA-200.8	ND	mg/L	1	0.0020	0.010	04/11/18	04/12/18 02:37	
Total Recoverable Barium	EPA-200.7	ND	mg/L	1	0.010	2	04/19/18	04/20/18 16:51	
Total Recoverable Beryllium	EPA-200.8	ND	mg/L	1	0.0010	0.004	04/11/18	04/12/18 14:12	
Total Recoverable Cadmium	EPA-200.8	ND	mg/L	1	0.0010	0.005	04/11/18	04/12/18 02:37	
Total Recoverable Chromium	EPA-200.7	ND	mg/L	1	0.010	0.1	04/19/18	04/20/18 16:51	
Total Recoverable Copper	EPA-200.7	ND	mg/L	1	0.010	1.0	04/19/18	04/20/18 16:51	
Total Recoverable Iron	EPA-200.7	ND	mg/L	1	0.050	0.3	04/19/18	04/25/18 16:40	
Total Recoverable Lead	EPA-200.8	ND	mg/L	1	0.0010	0.005	04/11/18	04/12/18 02:37	
Total Recoverable Manganese	EPA-200.7	ND	mg/L	1	0.010	0.05	04/19/18	04/20/18 16:51	
Total Recoverable Mercury	EPA-245.1	ND	ug/L	1	0.20	2	04/11/18	04/12/18 14:05	
Total Recoverable Nickel	EPA-200.7	ND	mg/L	1	0.010	0.1	04/19/18	04/20/18 16:51	
Total Recoverable Selenium	EPA-200.8	ND	mg/L	1	0.0020	0.05	04/11/18	04/12/18 02:37	
Total Recoverable Silver	EPA-200.7	ND	mg/L	1	0.010	0.1	04/19/18	04/20/18 16:51	
Total Recoverable Thallium	EPA-200.8	ND	mg/L	1	0.0010	0.002	04/11/18	04/12/18 02:37	
Total Recoverable Zinc	EPA-200.7	ND	mg/L	1	0.050	5.0	04/19/18	04/20/18 16:51	
Organics									
1,2-Dibromo-3-chloropropane	EPA-504.1	ND	ug/L	0.967	0.010	0.2	04/17/18	04/17/18 17:56	
Ethylene dibromide	EPA-504.1	ND	ug/L	0.967	0.010	0.05	04/17/18	04/17/18 17:56	
Aldrin	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
alpha-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
beta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
delta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
gamma-BHC (Lindane)	EPA-508	ND	ug/L	1	0.0050	0.2	04/12/18	04/13/18 20:01	

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

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	04/12/18	04/13/18 20:01	
4,4'-DDD	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
4,4'-DDE	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
4,4'-DDT	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
Dieldrin	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
Endosulfan I	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
Endosulfan II	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
Endosulfan sulfate	EPA-508	ND	ug/L	1	0.0050	n/a	04/12/18	04/13/18 20:01	
Endrin	EPA-508	ND	ug/L	1	0.0050	2	04/12/18	04/13/18 20:01	
Endrin aldehyde	EPA-508	ND	ug/L	1	0.010	n/a	04/12/18	04/13/18 20:01	
Heptachlor	EPA-508	ND	ug/L	1	0.0050	0.4	04/12/18	04/13/18 20:01	
Heptachlor epoxide	EPA-508	ND	ug/L	1	0.0050	0.2	04/12/18	04/13/18 20:01	
Methoxychlor	EPA-508	ND	ug/L	1	0.0050	40	04/12/18	04/13/18 20:01	
Toxaphene	EPA-508	ND	ug/L	1	1.0	3	04/12/18	04/13/18 20:01	
PCB-1016	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
PCB-1221	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
PCB-1232	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
PCB-1242	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
PCB-1248	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
PCB-1254	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
PCB-1260	EPA-508	ND	ug/L	1	0.20	n/a	04/12/18	04/13/18 20:01	
Total PCB's (Summation)	EPA-508	ND	ug/L	1	0.20	0.5	04/12/18	04/13/18 20:01	
TCMX (Surrogate)	EPA-508	65.6	%	1	60 - 130 (LCL - UCL)		04/12/18	04/13/18 20:01	
Bentazon	EPA-515.1	ND	ug/L	1.020	0.80	n/a	04/12/18	04/19/18 21:50	
2,4-D	EPA-515.1	ND	ug/L	1.020	0.40	70	04/12/18	04/19/18 21:50	
Dalapon	EPA-515.1	ND	ug/L	1.020	5.0	200	04/12/18	04/19/18 21:50	
Dinoseb	EPA-515.1	ND	ug/L	1.020	0.20	7	04/12/18	04/19/18 21:50	
2,4,5-TP (Silvex)	EPA-515.1	ND	ug/L	1.020	0.070	50	04/12/18	04/19/18 21:50	
2,4-Dichlorophenylacetic acid (Surrogate)	EPA-515.1	58.0	%	1.020	40 - 120 (LCL - UCL)		04/12/18	04/19/18 21:50	
Benzene	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
Bromobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Bromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Bromodichloromethane	EPA-524.2	1.4	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Bromoform	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Bromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	

Solar Rain Bottled Water
29219 Juba Road
Valley Center, CA 92082

Reported: 05/09/2018 16:41
Project: Annual Title 21
Project Number: Product Water
Project Manager: Bjarne Kjaer

BCL Sample ID: 1811314-01 | **Client Sample Name:** Solar Rain Bottled Water, 4/10/2018 12:05:00PM, Bjarne Kjaer

Organics

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
n-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
sec-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
tert-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Carbon tetrachloride	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
Chlorobenzene	EPA-524.2	ND	ug/L	1	0.50	100	04/13/18	04/13/18 22:52	
Chloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Chloroform	EPA-524.2	2.9	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Chloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	V11
2-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
4-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Dibromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2-Dibromo-3-chloropropane	EPA-524.2	ND	ug/L	1	1.0	0.2	04/13/18	04/13/18 22:52	
1,2-Dibromoethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Dibromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	600	04/13/18	04/13/18 22:52	
1,3-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,4-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	75	04/13/18	04/13/18 22:52	
Dichlorodifluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	V11
1,1-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,2-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
1,1-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	7	04/13/18	04/13/18 22:52	
cis-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	70	04/13/18	04/13/18 22:52	
trans-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	100	04/13/18	04/13/18 22:52	
1,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	5	04/13/18	04/13/18 22:52	
1,3-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
2,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
1,1-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
cis-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
trans-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Total 1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Ethylbenzene	EPA-524.2	ND	ug/L	1	0.50	700	04/13/18	04/13/18 22:52	
Hexachlorobutadiene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Isopropylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
p-Isopropyltoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	
Methylene chloride	EPA-524.2	ND	ug/L	1	0.50	n/a	04/13/18	04/13/18 22:52	