



Date of Report: 05/20/2020

Alex Kotlarenko

Four Season Beverages

4140 Garner Road
Riverside, CA 92501

Client Project: [none]
BCL Project: Bottled Water Testing Title 21
BCL Work Order: 2011553
Invoice ID: B380523

Enclosed are the results of analyses for samples received by the laboratory on 4/20/2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Tina Green
Client Services

Stuart Buttram
Technical Director

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

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Chain of Custody

ANALYSIS REQUESTED

Client/Company Name: **Four Season Beverages** Project Information: **Annual Title 21** Title 21 Group Test

Address: **4140 Gamer Road** City: **Riverside** State: **CA** Zip: **92501**

Phone: **(951) 684-2191** FAX: **(951) 684-2333**

Report Alteration: **Alex Kotlarenko** Carbon Copies: CDHS Fresno Co EPA Merced Co Tulare Co

E-mail: **clientcare@fourseasonbeverage.com** Other: Regulatory Compliance Electronic Data Transfer: Y N

How would you like your completed results sent? E-Mail Fax EMD Mail Only

QC Request STD Level II Level III STD 5 Day** 2 Day** Day**

QC Request ** Surcharge

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

Sample # | # Bottles | Sample Description / Location | Matrix |

1 | 4 | 4/20/16 1004 Four Season Beverage Purified Water | BW

Comments / Station Code

Shipping Method: **CAO UPS GSO WALK-IN SJVC FEDEX OTHER** Cooling Method: **WET BLUE NONE**

Shipping Method: **WET BLUE NONE**

Received for Lab by: (Signature and Printed Name) **Michelle Mark Ellis** Date: **4/20/16** Time: **16:30**

Relinquished by: (Signature and Printed Name) **Michelle Mark Ellis** Date: **4/20/16** Time: **16:30**

Relinquished to: (Signature and Printed Name) **Michelle Mark Ellis** Date: **4/20/16** Time: **16:30**

Company: **BCL**

Company: **BCL**

Company: **BCL**

Received at Delivery: **Michelle Mark Ellis** Date: **4-20-20** Time: **800**

Packing Material: **WET BLUE NONE**

CHECKS/CASH/CARD PIA # **544-233334-0004**

Amount: **544-233334-0004**

Shipping Method: **WET BLUE NONE**

Temperature: **TEMP:**

DO CL BFD MEAS COT

SHOULDER / CLEANING TIME

DO CL BFD MEAS COT

WALK IN DISTRIBUTION

SUB OUT

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 Of 4

Submission #: 20-11553

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 Containers None Comments:

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

COC Received: YES NO Emissivity: 97 Container: PE Thermometer ID: 274 Date/Time: 4/20/20 Analyst Initial: TKJ

Temperature: (A) 21.4 °C (C) 21.3 °C

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
PE UNPRES	AP-AA									
6oz / 16oz PE UNPRES	AI									
6oz QT PE	A-X									
INORGANIC CHEMICAL METALS	AI-AR									
ORGANIC CHEMICAL METALS 4oz / 8oz / 16oz	AI									
CYANIDE	AM									
NITROGEN FORMS										
TOTAL SULFIDE										
NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
CHEMICAL OXYGEN DEMAND										
PHENOLICS QT	AN-AR									
VOA VIAL TRAVEL BLANK										
VOA VIAL	AA-AC									
EPA 1664										
ODOR	AP									
TOXICOLOGICAL										
TERIOLOGICAL										
VOA VIAL- 504	AD-AE									
EPA 504/608/8080	AG									
EPA 515 / 8150	AR									
EPA 525	AS									
EPA 525 TRAVEL BLANK										
EPA 547	Y									
EPA 531J	Z									
EPA 548	AT									
EPA 549	AU									
EPA 8015M										
EPA 8270										
6oz / 8oz AMBER	AV-AW									
1oz / 2oz IAR HAAS	AX									
SLURRY- 8oz Amber	AY									
JAL										
IC BAG										
ARBAG										
OUS IRON										
RE										
T KIT										
IA CANISTER										

Notes: _____

Numbering Completed By: [Signature] Date/Time: 4/20/20 1053 Rev 21 05/23/2016

1053

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2011553-01	COC Number:	---	Receive Date:	04/20/2020 08:00
	Project Number:	---	Sampling Date:	04/20/2020 10:04
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Four Season Beverage Purified Water	Lab Matrix:	Water
	Sampled By:	Client	Sample Type:	Water

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

EDB/DBCP Analysis (EPA Method 504.1)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromo-3-chloropropane	<0.010	ug/L	0.010	EPA-504.1	ND		1
Ethylene dibromide	<0.010	ug/L	0.010	EPA-504.1	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-504.1	04/22/20 08:00	04/22/20	18:57	HKS	GC-15	0.939	B076249	EPA 504.1

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organochlorine Pesticides and PCB's (EPA Method 508)

BCL Sample ID:	2011553-01	Client Sample Name:	Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client				
Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Aldrin	<0.0050	ug/L	0.0050	EPA-508	ND		1
alpha-BHC	<0.0050	ug/L	0.0050	EPA-508	ND		1
beta-BHC	<0.0050	ug/L	0.0050	EPA-508	ND		1
delta-BHC	<0.0050	ug/L	0.0050	EPA-508	ND		1
gamma-BHC (Lindane)	<0.0050	ug/L	0.0050	EPA-508	ND		1
Chlordane (Technical)	<0.10	ug/L	0.10	EPA-508	ND		1
4,4'-DDD	<0.0050	ug/L	0.0050	EPA-508	ND		1
4,4'-DDE	<0.0050	ug/L	0.0050	EPA-508	ND		1
4,4'-DDT	<0.0050	ug/L	0.0050	EPA-508	ND		1
Dieldrin	<0.0050	ug/L	0.0050	EPA-508	ND		1
Endosulfan I	<0.0050	ug/L	0.0050	EPA-508	ND		1
Endosulfan II	<0.0050	ug/L	0.0050	EPA-508	ND		1
Endosulfan sulfate	<0.0050	ug/L	0.0050	EPA-508	ND		1
Endrin	<0.0050	ug/L	0.0050	EPA-508	ND		1
Endrin aldehyde	<0.010	ug/L	0.010	EPA-508	ND		1
Heptachlor	<0.0050	ug/L	0.0050	EPA-508	ND		1
Heptachlor epoxide	<0.0050	ug/L	0.0050	EPA-508	ND		1
Methoxychlor	<0.0050	ug/L	0.0050	EPA-508	ND		1
Toxaphene	<1.0	ug/L	1.0	EPA-508	ND		1
PCB-1016	<0.20	ug/L	0.20	EPA-508	ND		1
PCB-1221	<0.20	ug/L	0.20	EPA-508	ND		1
PCB-1232	<0.20	ug/L	0.20	EPA-508	ND		1
PCB-1242	<0.20	ug/L	0.20	EPA-508	ND		1
PCB-1248	<0.20	ug/L	0.20	EPA-508	ND		1
PCB-1254	<0.20	ug/L	0.20	EPA-508	ND		1
PCB-1260	<0.20	ug/L	0.20	EPA-508	ND		1
Total PCB's (Summation)	<0.20	ug/L	0.20	EPA-508	ND		1
TCMX (Surrogate)	77.1	%	60 - 130 (LCL - UCL)	EPA-508			1
Decachlorobiphenyl (Surrogate)	53.1	%	60 - 130 (LCL - UCL)	EPA-508		A20	1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-508	04/24/20 20:00	04/28/20	07:34	HKS	GC-17	1	B076606	EPA 508

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis (EPA Method 515.1)

BCL Sample ID: 2011553-01		Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client						
Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #	
Bentazon	<0.80	ug/L	0.80	EPA-515.1	ND		1	
2,4-D	<0.40	ug/L	0.40	EPA-515.1	ND		1	
Dalapon	<5.0	ug/L	5.0	EPA-515.1	ND		1	
Dinoseb	<0.20	ug/L	0.20	EPA-515.1	ND		1	
Pentachlorophenol	<0.050	ug/L	0.050	EPA-515.1	ND		1	
Picloram	<0.10	ug/L	0.10	EPA-515.1	ND		1	
2,4,5-TP (Silvex)	<0.070	ug/L	0.070	EPA-515.1	ND		1	
2,4-Dichlorophenylacetic acid (Surrogate)	86.8	%	40 - 120 (LCL - UCL)	EPA-515.1			1	

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-515.1	04/23/20 22:00	04/27/20	07:23	OLH	GC-8	1.099	B076485	EPA 515.1

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Bromobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Bromochloromethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
Bromodichloromethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
Bromoform	<0.50	ug/L	0.50	EPA-524.2	ND		1
Bromomethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
n-Butylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
sec-Butylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
tert-Butylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Carbon tetrachloride	<0.50	ug/L	0.50	EPA-524.2	ND		1
Chlorobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Chloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
Chloroform	<0.50	ug/L	0.50	EPA-524.2	ND		1
Chloromethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
2-Chlorotoluene	<0.50	ug/L	0.50	EPA-524.2	ND		1
4-Chlorotoluene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Dibromochloromethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	EPA-524.2	ND		1
1,2-Dibromoethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
Dibromomethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2-Dichlorobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,3-Dichlorobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,4-Dichlorobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Dichlorodifluoromethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1-Dichloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2-Dichloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1-Dichloroethene	<0.50	ug/L	0.50	EPA-524.2	ND		1
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	EPA-524.2	ND		1
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2-Dichloropropane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,3-Dichloropropane	<0.50	ug/L	0.50	EPA-524.2	ND		1
2,2-Dichloropropane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1-Dichloropropene	<0.50	ug/L	0.50	EPA-524.2	ND		1

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID:	2011553-01	Client Sample Name:	Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client				
Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	EPA-524.2	ND		1
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Total 1,3-Dichloropropene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Ethylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Hexachlorobutadiene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Isopropylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
p-Isopropyltoluene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Methylene chloride	<0.50	ug/L	0.50	EPA-524.2	ND		1
Methyl t-butyl ether	<0.50	ug/L	0.50	EPA-524.2	ND		1
Naphthalene	<0.50	ug/L	0.50	EPA-524.2	ND		1
n-Propylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Styrene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
Tetrachloroethene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Toluene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1,1-Trichloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,1,2-Trichloroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
Trichloroethene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Trichlorofluoromethane	<0.50	ug/L	0.50	EPA-524.2	ND	V11	1
1,2,3-Trichloropropane	<1.0	ug/L	1.0	EPA-524.2	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	EPA-524.2	ND		1
Vinyl chloride	<0.50	ug/L	0.50	EPA-524.2	ND		1
Total Xylenes	<0.50	ug/L	0.50	EPA-524.2	ND		1
Total Trihalomethanes	<2.0	ug/L	2.0	EPA-524.2	ND		1
t-Amyl Methyl ether	<0.50	ug/L	0.50	EPA-524.2	ND		1
t-Butyl alcohol	<10	ug/L	10	EPA-524.2	ND		1
Diisopropyl ether	<0.50	ug/L	0.50	EPA-524.2	ND		1
Ethyl t-butyl ether	<0.50	ug/L	0.50	EPA-524.2	ND		1

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4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
p- & m-Xylenes	<0.50	ug/L	0.50	EPA-524.2	ND		1
o-Xylene	<0.50	ug/L	0.50	EPA-524.2	ND		1
1,2-Dichloroethane-d4 (Surrogate)	124	%	75 - 125 (LCL - UCL)	EPA-524.2			1
Toluene-d8 (Surrogate)	98.4	%	80 - 120 (LCL - UCL)	EPA-524.2			1
4-Bromofluorobenzene (Surrogate)	98.6	%	80 - 120 (LCL - UCL)	EPA-524.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-524.2	04/21/20 07:34	04/21/20 11:09	ZZZ	MS-V15	1	B075904	EPA 524.2

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Acenaphthylene	<0.10	ug/L	0.10	EPA-525.2	ND		1
Alachlor	<0.20	ug/L	0.20	EPA-525.2	ND		1
Anthracene	<0.10	ug/L	0.10	EPA-525.2	ND		1
Atraton	<0.50	ug/L	0.50	EPA-525.2	ND		1
Atrazine	<0.30	ug/L	0.30	EPA-525.2	ND		1
Benzo[a]anthracene	<0.20	ug/L	0.20	EPA-525.2	ND		1
Benzo[b]fluoranthene	<0.30	ug/L	0.30	EPA-525.2	ND		1
Benzo[k]fluoranthene	<0.30	ug/L	0.30	EPA-525.2	ND		1
Benzo[a]pyrene	<0.10	ug/L	0.10	EPA-525.2	ND		1
Benzo[g,h,i]perylene	<0.30	ug/L	0.30	EPA-525.2	ND		1
Benzyl butyl phthalate	<4.0	ug/L	4.0	EPA-525.2	ND		1
delta-BHC	<0.20	ug/L	0.20	EPA-525.2	ND		1
gamma-BHC (Lindane)	<0.20	ug/L	0.20	EPA-525.2	ND		1
bis(2-Ethylhexyl)phthalate	<3.0	ug/L	3.0	EPA-525.2	ND		1
Bromacil	<0.50	ug/L	0.50	EPA-525.2	ND		1
Chrysene	<0.30	ug/L	0.30	EPA-525.2	ND		1
Diazinon	<0.20	ug/L	0.20	EPA-525.2	ND		1
Dibenzo[a,h]anthracene	<0.30	ug/L	0.30	EPA-525.2	ND		1
Di(2-ethylhexyl)adipate	<1.0	ug/L	1.0	EPA-525.2	ND		1
Dimethoate	<2.0	ug/L	2.0	EPA-525.2	ND		1
Dimethyl phthalate	<1.0	ug/L	1.0	EPA-525.2	ND		1
Di-n-butyl phthalate	<1.0	ug/L	1.0	EPA-525.2	ND		1
Fluorene	<0.20	ug/L	0.20	EPA-525.2	ND		1
Hexachlorobenzene	<0.20	ug/L	0.20	EPA-525.2	ND		1
Hexachlorocyclopentadiene	<1.0	ug/L	1.0	EPA-525.2	ND		1
Indeno[1,2,3-cd]pyrene	<0.30	ug/L	0.30	EPA-525.2	ND		1
Methoxychlor	<0.30	ug/L	0.30	EPA-525.2	ND		1
Metolachlor	<0.50	ug/L	0.50	EPA-525.2	ND		1
Metribuzin	<0.50	ug/L	0.50	EPA-525.2	ND		1
Molinate	<0.50	ug/L	0.50	EPA-525.2	ND		1
Phenanthrene	<0.10	ug/L	0.10	EPA-525.2	ND		1
Prometon	<0.50	ug/L	0.50	EPA-525.2	ND		1
Prometryn	<0.50	ug/L	0.50	EPA-525.2	ND		1

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Pyrene	<0.10	ug/L	0.10	EPA-525.2	ND		1
Secbumeton	<0.50	ug/L	0.50	EPA-525.2	ND		1
Simazine	<0.30	ug/L	0.30	EPA-525.2	ND		1
Terbutryn	<0.50	ug/L	0.50	EPA-525.2	ND		1
Thiobencarb	<0.50	ug/L	0.50	EPA-525.2	ND		1
Perylene-d12 (Surrogate)	33.2	%	60 - 140 (LCL - UCL)	EPA-525.2		S09	1
1,3-Dimethyl-2-nitrobenzene (Surrogate)	47.6	%	70 - 130 (LCL - UCL)	EPA-525.2		S09	1
Triphenylphosphate (Surrogate)	140	%	70 - 130 (LCL - UCL)	EPA-525.2		S09	1
Pyrene-d10 (Surrogate)	100	%	70 - 130 (LCL - UCL)	EPA-525.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-525.2	04/24/20 07:00	04/25/20 07:02	MK1	MS-B6	1	B076443	EPA 525.2

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Carbamate and Urea Pesticides (EPA Method 531.2)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1-Naphthol	<5.0	ug/L	5.0	EPA-531.2	ND		1
Aldicarb	<3.0	ug/L	3.0	EPA-531.2	ND		1
Aldicarb sulfone	<4.0	ug/L	4.0	EPA-531.2	ND		1
Aldicarb sulfoxide	<3.0	ug/L	3.0	EPA-531.2	ND		1
Propoxur	<5.0	ug/L	5.0	EPA-531.2	ND		1
Carbaryl	<5.0	ug/L	5.0	EPA-531.2	ND		1
Carbofuran	<5.0	ug/L	5.0	EPA-531.2	ND		1
3-Hydroxycarbofuran	<3.0	ug/L	3.0	EPA-531.2	ND		1
Methiocarb	<5.0	ug/L	5.0	EPA-531.2	ND		1
Methomyl	<2.0	ug/L	2.0	EPA-531.2	ND		1
Oxamyl	<5.0	ug/L	5.0	EPA-531.2	ND		1
BDMC (Surrogate)	126	%	70 - 130 (LCL - UCL)	EPA-531.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-531.2	04/20/20 13:00	04/20/20 19:12	JGM	HPLC15	1	B076034	EPA 531.2

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Glyphosate Analysis (EPA Method 547)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Glyphosate	<25	ug/L	25	EPA-547	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-547	04/21/20 14:36	04/21/20 19:26		JGM	HPLC15	1	B076136	EPA 547

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Endothal (EPA Method 548.1)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Endothal	<2.0	ug/L	2.0	EPA-548.1	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-548.1	04/20/20 15:00	04/23/20 05:05	MK1	MS-B1	1	B076113	EPA 548.1

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Herbicides (EPA Method 549.2)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diquat	<4.0	ug/L	4.0	EPA-549.2	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-549.2	04/24/20 08:30	04/27/20 14:30	JGM	HPLC16	1	B076525	EPA 549.2

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Halogenated Acetic Acids (Method EPA-552.3)

BCL Sample ID: 2011553-01		Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client					
Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dibromoacetic acid	<1.0	ug/L	1.0	EPA-552.3	ND		1
Dichloroacetic acid	<1.0	ug/L	1.0	EPA-552.3	ND		1
Monobromoacetic acid	<1.0	ug/L	1.0	EPA-552.3	ND		1
Monochloroacetic acid	<1.0	ug/L	1.0	EPA-552.3	ND		1
Trichloroacetic acid	<1.0	ug/L	1.0	EPA-552.3	ND		1
Total HAA's (Summation)	<1.0	ug/L	1.0	EPA-552.3	ND		1
2,3-Dibromopropionic acid (Surrogate)	92.7	%	70 - 130 (LCL - UCL)	EPA-552.3			1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-552.3	04/24/20 17:00	04/25/20 23:20		OLH	GC-3	1	B076520	EPA 552.3

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Water Analysis (General Chemistry)

BCL Sample ID: 2011553-01		Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client					
Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Calcium	1.3	mg/L	0.10	EPA-200.7	ND		1
Total Recoverable Magnesium	0.20	mg/L	0.050	EPA-200.7	ND		1
Total Recoverable Sodium	1.7	mg/L	0.50	EPA-200.7	ND		1
Total Recoverable Potassium	<1.0	mg/L	1.0	EPA-200.7	ND		1
Bicarbonate Alkalinity as CaCO3	5.8	mg/L	4.1	SM-2320B	ND		2
Carbonate Alkalinity as CaCO3	<4.1	mg/L	4.1	SM-2320B	ND		2
Hydroxide Alkalinity as CaCO3	<4.1	mg/L	4.1	SM-2320B	ND		2
Total Alkalinity as CaCO3	5.8	mg/L	4.1	SM-2320B	ND		2
Chloride	0.68	mg/L	0.50	EPA-300.0	ND		3
Fluoride	<0.050	mg/L	0.050	EPA-300.0	ND		3
Nitrate as N	0.48	mg/L	0.10	EPA-300.0	ND		3
Sulfate	1.1	mg/L	1.0	EPA-300.0	ND		3
Nitrate + Nitrite as N	0.48	mg/L	0.10	Calc	ND		4
pH	6.07	pH Units	0.05	SM-4500HB		S05	5
Total Dissolved Solids @ 180 C	11	mg/L	2.5	SM-2540C	ND		6
Color	1.0	Color Units	1.0	SM-2120B			7
Odor	No Obs Odor	Odor Units	1.0	SM-2150B	ND		8
Turbidity	0.16	NT Units	0.10	EPA-180.1			9
Chloramine as Cl2	<0.10	mg/L	0.10	SM-4500-CLF	ND	S05	10
Residual Chlorine	<0.10	mg/L	0.10	SM-4500-CLF	ND	S05	10
Chlorine dioxide	<0.20	mg/L	0.20	SM-4500-CIO2-B	ND	S05	11
Total Cyanide	<0.0050	mg/L	0.0050	EPA-335.4	ND		12
Nitrite as N	<0.050	mg/L	0.050	EPA-353.2	ND		13

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Water Analysis (General Chemistry)

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time	Date/Time				Batch ID	
1	EPA-200.7	04/22/20 17:40	04/24/20 17:46	JRG	PE-OP4	1	B076158	EPA 200.2	
2	SM-2320B	04/24/20 11:00	04/24/20 14:57	MEV	MET-1	1	B067697	No Prep	
3	EPA-300.0	04/20/20 15:00	04/20/20 18:06	MRC	IC7	1	B075980	No Prep	
4	Calc	04/21/20 11:01	04/30/20 19:01	AMM	Calc	1	B^D0256	Calc	
5	SM-4500HB	04/24/20 11:00	04/24/20 14:57	MEV	MET-1	1	B067697	No Prep	
6	SM-2540C	04/24/20 13:00	04/24/20 13:00	CAD	MANUAL	0.250	B076308	No Prep	
7	SM-2120B	04/21/20 09:00	04/21/20 09:00	JDL	MANUAL	1	B076434	No Prep	
8	SM-2150B	04/21/20 09:00	04/21/20 09:00	JDL	MANUAL	1	B076436	No Prep	
9	EPA-180.1	04/21/20 09:00	04/21/20 09:00	JDL	KONE-1	1	B076438	No Prep	
10	SM-4500-CLF	04/20/20 13:15	04/20/20 13:15	JKS	MET-1	1	B076303	No Prep	
11	SM-4500-CIO2-B	04/20/20 13:35	04/20/20 13:35	JKS	MET-1	1	B076304	No Prep	
12	EPA-335.4	04/29/20 08:19	04/29/20 13:25	MC1	KONE-1	1	B076664	EPA 335.4 Total	
13	EPA-353.2	04/21/20 09:17	04/21/20 09:17	MC1	KONE-1	1	B076093	No Prep	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Metals Analysis

BCL Sample ID: 2011553-01	Client Sample Name: Four Season Beverage Purified Water, 4/20/2020 10:04:00AM, Client
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Aluminum	<0.050	mg/L	0.050	EPA-200.7	ND		1
Total Recoverable Antimony	<0.0020	mg/L	0.0020	EPA-200.8	ND		2
Total Recoverable Arsenic	<0.0020	mg/L	0.0020	EPA-200.8	ND		2
Total Recoverable Barium	<0.010	mg/L	0.010	EPA-200.7	ND		1
Total Recoverable Beryllium	<0.0010	mg/L	0.0010	EPA-200.8	ND		2
Total Recoverable Cadmium	<0.0010	mg/L	0.0010	EPA-200.8	ND		2
Total Recoverable Chromium	<0.010	mg/L	0.010	EPA-200.7	ND		1
Total Recoverable Copper	<0.010	mg/L	0.010	EPA-200.7	ND		1
Total Recoverable Iron	<0.050	mg/L	0.050	EPA-200.7	ND		1
Total Recoverable Lead	<0.0010	mg/L	0.0010	EPA-200.8	ND		2
Total Recoverable Manganese	<0.010	mg/L	0.010	EPA-200.7	ND		1
Total Recoverable Mercury	<0.20	ug/L	0.20	EPA-245.1	ND		3
Total Recoverable Nickel	<0.010	mg/L	0.010	EPA-200.7	ND		1
Total Recoverable Selenium	<0.0020	mg/L	0.0020	EPA-200.8	ND		2
Total Recoverable Silver	<0.010	mg/L	0.010	EPA-200.7	ND		1
Total Recoverable Thallium	<0.0010	mg/L	0.0010	EPA-200.8	ND		2
Total Recoverable Zinc	<0.050	mg/L	0.050	EPA-200.7	ND		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-200.7	04/22/20 17:40	04/24/20 17:46		JRG	PE-OP4	1	B076158	EPA 200.2
2	EPA-200.8	04/21/20 16:40	04/21/20 19:02		AS1	PE-EL4	1	B076048	EPA 200.2
3	EPA-245.1	04/28/20 13:30	04/29/20 09:45		TMT	CETAC3	1	B076586	EPA 245.1

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

EDB/DBCP Analysis (EPA Method 504.1)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076249					
1,2-Dibromo-3-chloropropane	B076249-BLK1	<0.010	ug/L	0.010	
Ethylene dibromide	B076249-BLK1	<0.010	ug/L	0.010	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

EDB/DBCP Analysis (EPA Method 504.1)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
QC Batch ID: B076249											
1,2-Dibromo-3-chloropropane	B076249-BS1	LCS	0.12118	0.14269	ug/L	84.9		70	130		
Ethylene dibromide	B076249-BS1	LCS	0.11684	0.14269	ug/L	81.9		70	130		

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

EDB/DBCP Analysis (EPA Method 504.1)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: B076249		Used client sample: N								
1,2-Dibromo-3-chloropropane	MS	2009671-42	ND	0.13194	0.14286	ug/L		92.4		70 - 130
	MSD	2009671-42	ND	0.12953	0.14278	ug/L	1.8	90.7	30	70 - 130
Ethylene dibromide	MS	2009671-42	ND	0.12263	0.14286	ug/L		85.8		70 - 130
	MSD	2009671-42	ND	0.13307	0.14278	ug/L	8.2	93.2	30	70 - 130

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organochlorine Pesticides and PCB's (EPA Method 508)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076606					
Aldrin	B076606-BLK1	<0.0050	ug/L	0.0050	
alpha-BHC	B076606-BLK1	<0.0050	ug/L	0.0050	
beta-BHC	B076606-BLK1	<0.0050	ug/L	0.0050	
delta-BHC	B076606-BLK1	<0.0050	ug/L	0.0050	
gamma-BHC (Lindane)	B076606-BLK1	<0.0050	ug/L	0.0050	
Chlordane (Technical)	B076606-BLK1	<0.10	ug/L	0.10	
4,4'-DDD	B076606-BLK1	<0.0050	ug/L	0.0050	
4,4'-DDE	B076606-BLK1	<0.0050	ug/L	0.0050	
4,4'-DDT	B076606-BLK1	<0.0050	ug/L	0.0050	
Dieldrin	B076606-BLK1	<0.0050	ug/L	0.0050	
Endosulfan I	B076606-BLK1	<0.0050	ug/L	0.0050	
Endosulfan II	B076606-BLK1	<0.0050	ug/L	0.0050	
Endosulfan sulfate	B076606-BLK1	<0.0050	ug/L	0.0050	
Endrin	B076606-BLK1	<0.0050	ug/L	0.0050	
Endrin aldehyde	B076606-BLK1	<0.010	ug/L	0.010	
Heptachlor	B076606-BLK1	<0.0050	ug/L	0.0050	
Heptachlor epoxide	B076606-BLK1	<0.0050	ug/L	0.0050	
Methoxychlor	B076606-BLK1	<0.0050	ug/L	0.0050	
Toxaphene	B076606-BLK1	<1.0	ug/L	1.0	
PCB-1016	B076606-BLK1	<0.20	ug/L	0.20	
PCB-1221	B076606-BLK1	<0.20	ug/L	0.20	
PCB-1232	B076606-BLK1	<0.20	ug/L	0.20	
PCB-1242	B076606-BLK1	<0.20	ug/L	0.20	
PCB-1248	B076606-BLK1	<0.20	ug/L	0.20	
PCB-1254	B076606-BLK1	<0.20	ug/L	0.20	
PCB-1260	B076606-BLK1	<0.20	ug/L	0.20	
Total PCB's (Summation)	B076606-BLK1	<0.20	ug/L	0.20	
TCMX (Surrogate)	B076606-BLK1	79.3	%	60 - 130 (LCL - UCL)	
Decachlorobiphenyl (Surrogate)	B076606-BLK1	86.7	%	60 - 130 (LCL - UCL)	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organochlorine Pesticides and PCB's (EPA Method 508)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076606										
Aldrin	B076606-BS1	LCS	0.10609	0.15000	ug/L	70.7		60	130	
gamma-BHC (Lindane)	B076606-BS1	LCS	0.12591	0.15000	ug/L	83.9		60	130	
4,4'-DDT	B076606-BS1	LCS	0.13719	0.15000	ug/L	91.5		60	130	
Dieldrin	B076606-BS1	LCS	0.12138	0.15000	ug/L	80.9		60	130	
Endrin	B076606-BS1	LCS	0.16128	0.15000	ug/L	108		60	130	
Heptachlor	B076606-BS1	LCS	0.11430	0.15000	ug/L	76.2		60	130	
TCMX (Surrogate)	B076606-BS1	LCS	0.20663	0.30000	ug/L	68.9		60	130	
Decachlorobiphenyl (Surrogate)	B076606-BS1	LCS	0.50872	0.60000	ug/L	84.8		60	130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organochlorine Pesticides and PCB's (EPA Method 508)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076606		Used client sample: N								
Aldrin	MS	2009671-56	ND	0.10306	0.15000	ug/L		68.7		60 - 130
	MSD	2009671-56	ND	0.10701	0.15000	ug/L	3.8	71.3	30	60 - 130
gamma-BHC (Lindane)	MS	2009671-56	ND	0.12577	0.15000	ug/L		83.8		60 - 130
	MSD	2009671-56	ND	0.12925	0.15000	ug/L	2.7	86.2	30	60 - 130
4,4'-DDT	MS	2009671-56	ND	0.14974	0.15000	ug/L		99.8		60 - 130
	MSD	2009671-56	ND	0.13911	0.15000	ug/L	7.4	92.7	30	60 - 130
Dieldrin	MS	2009671-56	ND	0.12532	0.15000	ug/L		83.5		60 - 130
	MSD	2009671-56	ND	0.12028	0.15000	ug/L	4.1	80.2	30	60 - 130
Endrin	MS	2009671-56	ND	0.16279	0.15000	ug/L		109		60 - 130
	MSD	2009671-56	ND	0.15882	0.15000	ug/L	2.5	106	30	60 - 130
Heptachlor	MS	2009671-56	ND	0.11581	0.15000	ug/L		77.2		60 - 130
	MSD	2009671-56	ND	0.11890	0.15000	ug/L	2.6	79.3	30	60 - 130
TCMX (Surrogate)	MS	2009671-56	ND	0.21320	0.30000	ug/L		71.1		60 - 130
	MSD	2009671-56	ND	0.20857	0.30000	ug/L	2.2	69.5		60 - 130
Decachlorobiphenyl (Surrogate)	MS	2009671-56	ND	0.50871	0.60000	ug/L		84.8		60 - 130
	MSD	2009671-56	ND	0.48802	0.60000	ug/L	4.2	81.3		60 - 130

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4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis (EPA Method 515.1)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076485					
Bentazon	B076485-BLK1	<0.80	ug/L	0.80	
2,4-D	B076485-BLK1	<0.40	ug/L	0.40	
Dalapon	B076485-BLK1	<5.0	ug/L	5.0	
Dinoseb	B076485-BLK1	<0.20	ug/L	0.20	
Pentachlorophenol	B076485-BLK1	<0.050	ug/L	0.050	
Picloram	B076485-BLK1	<0.10	ug/L	0.10	
2,4,5-TP (Silvex)	B076485-BLK1	<0.070	ug/L	0.070	
2,4-Dichlorophenylacetic acid (Surrogate)	B076485-BLK1	76.8	%	40 - 120 (LCL - UCL)	

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Four Season Beverages
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Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis (EPA Method 515.1)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
QC Batch ID: B076485											
2,4-D	B076485-BS1	LCS	2.2000	2.4000	ug/L	91.7		50	120		
Dinoseb	B076485-BS1	LCS	0.65000	1.2000	ug/L	54.2		50	120		
2,4,5-TP (Silvex)	B076485-BS1	LCS	0.50000	0.60000	ug/L	83.3		50	120		
2,4-Dichlorophenylacetic acid (Surrogate)	B076485-BS1	LCS	3.2400	4.0000	ug/L	81.0		40	120		

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Four Season Beverages
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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis (EPA Method 515.1)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076485		Used client sample: N								
2,4-D	MS	2009671-37	ND	2.1500	2.4000	ug/L		89.6		40 - 120
	MSD	2009671-37	ND	2.2300	2.4000	ug/L	3.7	92.9	30	40 - 120
Dinoseb	MS	2009671-37	ND	0.67000	1.2000	ug/L		55.8		40 - 130
	MSD	2009671-37	ND	0.74000	1.2000	ug/L	9.9	61.7	30	40 - 130
2,4,5-TP (Silvex)	MS	2009671-37	ND	0.51000	0.60000	ug/L		85.0		40 - 120
	MSD	2009671-37	ND	0.51000	0.60000	ug/L	0	85.0	30	40 - 120
2,4-Dichlorophenylacetic acid (Surrogate)	MS	2009671-37	ND	3.3000	4.0000	ug/L		82.5		40 - 120
	MSD	2009671-37	ND	3.5100	4.0000	ug/L	6.2	87.8		40 - 120

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B075904					
Benzene	B075904-BLK1	<0.50	ug/L	0.50	
Bromobenzene	B075904-BLK1	<0.50	ug/L	0.50	
Bromochloromethane	B075904-BLK1	<0.50	ug/L	0.50	
Bromodichloromethane	B075904-BLK1	<0.50	ug/L	0.50	
Bromoform	B075904-BLK1	<0.50	ug/L	0.50	
Bromomethane	B075904-BLK1	<0.50	ug/L	0.50	
n-Butylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
sec-Butylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
tert-Butylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
Carbon tetrachloride	B075904-BLK1	<0.50	ug/L	0.50	
Chlorobenzene	B075904-BLK1	<0.50	ug/L	0.50	
Chloroethane	B075904-BLK1	<0.50	ug/L	0.50	
Chloroform	B075904-BLK1	<0.50	ug/L	0.50	
Chloromethane	B075904-BLK1	<0.50	ug/L	0.50	
2-Chlorotoluene	B075904-BLK1	<0.50	ug/L	0.50	
4-Chlorotoluene	B075904-BLK1	<0.50	ug/L	0.50	
Dibromochloromethane	B075904-BLK1	<0.50	ug/L	0.50	
1,2-Dibromo-3-chloropropane	B075904-BLK1	<1.0	ug/L	1.0	
1,2-Dibromoethane	B075904-BLK1	<0.50	ug/L	0.50	
Dibromomethane	B075904-BLK1	<0.50	ug/L	0.50	
1,2-Dichlorobenzene	B075904-BLK1	<0.50	ug/L	0.50	
1,3-Dichlorobenzene	B075904-BLK1	<0.50	ug/L	0.50	
1,4-Dichlorobenzene	B075904-BLK1	<0.50	ug/L	0.50	
Dichlorodifluoromethane	B075904-BLK1	<0.50	ug/L	0.50	
1,1-Dichloroethane	B075904-BLK1	<0.50	ug/L	0.50	
1,2-Dichloroethane	B075904-BLK1	<0.50	ug/L	0.50	
1,1-Dichloroethene	B075904-BLK1	<0.50	ug/L	0.50	
cis-1,2-Dichloroethene	B075904-BLK1	<0.50	ug/L	0.50	
trans-1,2-Dichloroethene	B075904-BLK1	<0.50	ug/L	0.50	
1,2-Dichloropropane	B075904-BLK1	<0.50	ug/L	0.50	
1,3-Dichloropropane	B075904-BLK1	<0.50	ug/L	0.50	
2,2-Dichloropropane	B075904-BLK1	<0.50	ug/L	0.50	
1,1-Dichloropropene	B075904-BLK1	<0.50	ug/L	0.50	
cis-1,3-Dichloropropene	B075904-BLK1	<0.50	ug/L	0.50	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B075904					
trans-1,3-Dichloropropene	B075904-BLK1	<0.50	ug/L	0.50	
Total 1,3-Dichloropropene	B075904-BLK1	<0.50	ug/L	0.50	
Ethylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
Hexachlorobutadiene	B075904-BLK1	<0.50	ug/L	0.50	
Isopropylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
p-Isopropyltoluene	B075904-BLK1	<0.50	ug/L	0.50	
Methylene chloride	B075904-BLK1	<0.50	ug/L	0.50	
Methyl t-butyl ether	B075904-BLK1	<0.50	ug/L	0.50	
Naphthalene	B075904-BLK1	<0.50	ug/L	0.50	
n-Propylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
Styrene	B075904-BLK1	<0.50	ug/L	0.50	
1,1,1,2-Tetrachloroethane	B075904-BLK1	<0.50	ug/L	0.50	
1,1,2,2-Tetrachloroethane	B075904-BLK1	<0.50	ug/L	0.50	
Tetrachloroethene	B075904-BLK1	<0.50	ug/L	0.50	
Toluene	B075904-BLK1	<0.50	ug/L	0.50	
1,2,3-Trichlorobenzene	B075904-BLK1	<0.50	ug/L	0.50	
1,2,4-Trichlorobenzene	B075904-BLK1	<0.50	ug/L	0.50	
1,1,1-Trichloroethane	B075904-BLK1	<0.50	ug/L	0.50	
1,1,2-Trichloroethane	B075904-BLK1	<0.50	ug/L	0.50	
Trichloroethene	B075904-BLK1	<0.50	ug/L	0.50	
Trichlorofluoromethane	B075904-BLK1	<0.50	ug/L	0.50	
1,2,3-Trichloropropane	B075904-BLK1	<1.0	ug/L	1.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	B075904-BLK1	<0.50	ug/L	0.50	
1,2,4-Trimethylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
1,3,5-Trimethylbenzene	B075904-BLK1	<0.50	ug/L	0.50	
Vinyl chloride	B075904-BLK1	<0.50	ug/L	0.50	
Total Xylenes	B075904-BLK1	<0.50	ug/L	0.50	
Total Trihalomethanes	B075904-BLK1	<2.0	ug/L	2.0	
t-Amyl Methyl ether	B075904-BLK1	<0.50	ug/L	0.50	
t-Butyl alcohol	B075904-BLK1	<10	ug/L	10	
Diisopropyl ether	B075904-BLK1	<0.50	ug/L	0.50	
Ethyl t-butyl ether	B075904-BLK1	<0.50	ug/L	0.50	
p- & m-Xylenes	B075904-BLK1	<0.50	ug/L	0.50	
o-Xylene	B075904-BLK1	<0.50	ug/L	0.50	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B075904					
1,2-Dichloroethane-d4 (Surrogate)	B075904-BLK1	125	%	75 - 125 (LCL - UCL)	
Toluene-d8 (Surrogate)	B075904-BLK1	98.8	%	80 - 120 (LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	B075904-BLK1	95.2	%	80 - 120 (LCL - UCL)	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B075904										
Benzene	B075904-BS1	LCS	25.280	25.000	ug/L	101		70 - 130		
Bromodichloromethane	B075904-BS1	LCS	29.850	25.000	ug/L	119		70 - 130		
Chlorobenzene	B075904-BS1	LCS	23.580	25.000	ug/L	94.3		70 - 130		
Chloroethane	B075904-BS1	LCS	23.780	25.000	ug/L	95.1		70 - 130		
1,4-Dichlorobenzene	B075904-BS1	LCS	24.170	25.000	ug/L	96.7		70 - 130		
1,1-Dichloroethane	B075904-BS1	LCS	25.940	25.000	ug/L	104		70 - 130		
1,1-Dichloroethene	B075904-BS1	LCS	28.150	25.000	ug/L	113		70 - 130		
Toluene	B075904-BS1	LCS	24.640	25.000	ug/L	98.6		70 - 130		
Trichloroethene	B075904-BS1	LCS	24.810	25.000	ug/L	99.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B075904-BS1	LCS	11.710	10.000	ug/L	117		75 - 125		
Toluene-d8 (Surrogate)	B075904-BS1	LCS	10.100	10.000	ug/L	101		80 - 120		
4-Bromofluorobenzene (Surrogate)	B075904-BS1	LCS	10.870	10.000	ug/L	109		80 - 120		

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Four Season Beverages
4140 Garner Road
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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	Percent Recovery		Control Limits		Lab
							RPD	RPD	RPD	RPD	
QC Batch ID: B075904		Used client sample: N									
Benzene	MS	2009671-38	ND	26.480	25.000	ug/L		106		70 - 130	
	MSD	2009671-38	ND	26.490	25.000	ug/L	0.0	106	20	70 - 130	
Bromodichloromethane	MS	2009671-38	ND	30.550	25.000	ug/L		122		70 - 130	
	MSD	2009671-38	ND	29.170	25.000	ug/L	4.6	117	20	70 - 130	
Chlorobenzene	MS	2009671-38	ND	24.130	25.000	ug/L		96.5		70 - 130	
	MSD	2009671-38	ND	22.600	25.000	ug/L	6.5	90.4	20	70 - 130	
Chloroethane	MS	2009671-38	ND	25.460	25.000	ug/L		102		70 - 130	
	MSD	2009671-38	ND	25.270	25.000	ug/L	0.7	101	20	70 - 130	
1,4-Dichlorobenzene	MS	2009671-38	ND	24.360	25.000	ug/L		97.4		70 - 130	
	MSD	2009671-38	ND	22.640	25.000	ug/L	7.3	90.6	20	70 - 130	
1,1-Dichloroethane	MS	2009671-38	ND	27.080	25.000	ug/L		108		70 - 130	
	MSD	2009671-38	ND	27.020	25.000	ug/L	0.2	108	20	70 - 130	
1,1-Dichloroethene	MS	2009671-38	ND	29.380	25.000	ug/L		118		70 - 130	
	MSD	2009671-38	ND	29.260	25.000	ug/L	0.4	117	20	70 - 130	
Toluene	MS	2009671-38	ND	25.590	25.000	ug/L		102		70 - 130	
	MSD	2009671-38	ND	24.090	25.000	ug/L	6.0	96.4	20	70 - 130	
Trichloroethene	MS	2009671-38	ND	25.850	25.000	ug/L		103		70 - 130	
	MSD	2009671-38	ND	24.220	25.000	ug/L	6.5	96.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	2009671-38	ND	11.730	10.000	ug/L		117		75 - 125	
	MSD	2009671-38	ND	12.950	10.000	ug/L	9.9	130		75 - 125	S09
Toluene-d8 (Surrogate)	MS	2009671-38	ND	10.120	10.000	ug/L		101		80 - 120	
	MSD	2009671-38	ND	10.180	10.000	ug/L	0.6	102		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	2009671-38	ND	10.610	10.000	ug/L		106		80 - 120	
	MSD	2009671-38	ND	10.840	10.000	ug/L	2.1	108		80 - 120	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076443					
Acenaphthylene	B076443-BLK1	<0.10	ug/L	0.10	
Alachlor	B076443-BLK1	<0.20	ug/L	0.20	
Anthracene	B076443-BLK1	<0.10	ug/L	0.10	
Atraton	B076443-BLK1	<0.50	ug/L	0.50	
Atrazine	B076443-BLK1	<0.30	ug/L	0.30	
Benzo[a]anthracene	B076443-BLK1	<0.20	ug/L	0.20	
Benzo[b]fluoranthene	B076443-BLK1	<0.30	ug/L	0.30	
Benzo[k]fluoranthene	B076443-BLK1	<0.30	ug/L	0.30	
Benzo[a]pyrene	B076443-BLK1	<0.10	ug/L	0.10	
Benzo[g,h,i]perylene	B076443-BLK1	<0.30	ug/L	0.30	
Benzyl butyl phthalate	B076443-BLK1	<4.0	ug/L	4.0	
delta-BHC	B076443-BLK1	<0.20	ug/L	0.20	
gamma-BHC (Lindane)	B076443-BLK1	<0.20	ug/L	0.20	
bis(2-Ethylhexyl)phthalate	B076443-BLK1	<3.0	ug/L	3.0	
Bromacil	B076443-BLK1	<0.50	ug/L	0.50	
Chrysene	B076443-BLK1	<0.30	ug/L	0.30	
Diazinon	B076443-BLK1	<0.20	ug/L	0.20	
Dibenzo[a,h]anthracene	B076443-BLK1	<0.30	ug/L	0.30	
Di(2-ethylhexyl)adipate	B076443-BLK1	<1.0	ug/L	1.0	
Dimethoate	B076443-BLK1	<2.0	ug/L	2.0	
Dimethyl phthalate	B076443-BLK1	<1.0	ug/L	1.0	
Di-n-butyl phthalate	B076443-BLK1	<1.0	ug/L	1.0	
Fluorene	B076443-BLK1	<0.20	ug/L	0.20	
Hexachlorobenzene	B076443-BLK1	<0.20	ug/L	0.20	
Hexachlorocyclopentadiene	B076443-BLK1	<1.0	ug/L	1.0	
Indeno[1,2,3-cd]pyrene	B076443-BLK1	<0.30	ug/L	0.30	
Methoxychlor	B076443-BLK1	<0.30	ug/L	0.30	
Metolachlor	B076443-BLK1	<0.50	ug/L	0.50	
Metribuzin	B076443-BLK1	<0.50	ug/L	0.50	
Molinate	B076443-BLK1	<0.50	ug/L	0.50	
Phenanthrene	B076443-BLK1	<0.10	ug/L	0.10	
Prometon	B076443-BLK1	<0.50	ug/L	0.50	
Prometryn	B076443-BLK1	<0.50	ug/L	0.50	
Pyrene	B076443-BLK1	<0.10	ug/L	0.10	

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Four Season Beverages
4140 Garner Road
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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076443					
Secbumeton	B076443-BLK1	<0.50	ug/L	0.50	
Simazine	B076443-BLK1	<0.30	ug/L	0.30	
Terbutryn	B076443-BLK1	<0.50	ug/L	0.50	
Thiobencarb	B076443-BLK1	<0.50	ug/L	0.50	
Perylene-d12 (Surrogate)	B076443-BLK1	45.8	%	60 - 140 (LCL - UCL)	S09
1,3-Dimethyl-2-nitrobenzene (Surrogate)	B076443-BLK1	56.4	%	70 - 130 (LCL - UCL)	S09
Triphenylphosphate (Surrogate)	B076443-BLK1	121	%	70 - 130 (LCL - UCL)	
Pyrene-d10 (Surrogate)	B076443-BLK1	84.4	%	70 - 130 (LCL - UCL)	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	Control Limits		Lab
							RPD	RPD	
QC Batch ID: B076443									
Acenaphthylene	B076443-BS1	LCS	0.89000	2.0000	ug/L	44.5	60 - 120		L01
Alachlor	B076443-BS1	LCS	2.6600	2.0000	ug/L	133	60 - 120		L01
Atrazine	B076443-BS1	LCS	1.3100	2.0000	ug/L	65.5	60 - 120		
Benzo[a]pyrene	B076443-BS1	LCS	2.1300	2.0000	ug/L	106	60 - 120		
Chrysene	B076443-BS1	LCS	1.8300	2.0000	ug/L	91.5	60 - 120		
Pyrene	B076443-BS1	LCS	2.1900	2.0000	ug/L	110	60 - 120		
Simazine	B076443-BS1	LCS	1.6100	2.0000	ug/L	80.5	60 - 120		
Perylene-d12 (Surrogate)	B076443-BS1	LCS	2.2200	5.0000	ug/L	44.4	60 - 140		S09
1,3-Dimethyl-2-nitrobenzene (Surrogate)	B076443-BS1	LCS	2.4000	5.0000	ug/L	48.0	70 - 130		S09
Triphenylphosphate (Surrogate)	B076443-BS1	LCS	6.5800	5.0000	ug/L	132	70 - 130		S09
Pyrene-d10 (Surrogate)	B076443-BS1	LCS	4.8700	5.0000	ug/L	97.4	70 - 130		

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab	
								Percent Recovery	RPD		Percent Recovery
QC Batch ID: B076443		Used client sample: N									
Acenaphthylene	MS	2009671-31	ND	0.91000	2.0000	ug/L		45.5		50 - 120	Q03
	MSD	2009671-31	ND	0.87000	2.0000	ug/L	4.5	43.5	30	50 - 120	Q03
Alachlor	MS	2009671-31	ND	2.6200	2.0000	ug/L		131		50 - 120	Q03
	MSD	2009671-31	ND	2.7600	2.0000	ug/L	5.2	138	30	50 - 120	Q03
Atrazine	MS	2009671-31	ND	1.2700	2.0000	ug/L		63.5		50 - 120	
	MSD	2009671-31	ND	1.3000	2.0000	ug/L	2.3	65.0	30	50 - 120	
Benzo[a]pyrene	MS	2009671-31	ND	2.1800	2.0000	ug/L		109		50 - 120	
	MSD	2009671-31	ND	2.2800	2.0000	ug/L	4.5	114	30	50 - 120	
Chrysene	MS	2009671-31	ND	1.8500	2.0000	ug/L		92.5		50 - 120	
	MSD	2009671-31	ND	1.8600	2.0000	ug/L	0.5	93.0	30	50 - 120	
Pyrene	MS	2009671-31	ND	2.0700	2.0000	ug/L		104		50 - 120	
	MSD	2009671-31	ND	2.1700	2.0000	ug/L	4.7	108	30	50 - 120	
Simazine	MS	2009671-31	ND	1.4700	2.0000	ug/L		73.5		50 - 120	
	MSD	2009671-31	ND	1.7800	2.0000	ug/L	19.1	89.0	30	50 - 120	
Perylene-d12 (Surrogate)	MS	2009671-31	ND	2.0700	5.0000	ug/L		41.4		60 - 140	S09
	MSD	2009671-31	ND	2.0800	5.0000	ug/L	0.5	41.6		60 - 140	S09
1,3-Dimethyl-2-nitrobenzene (Surrogate)	MS	2009671-31	ND	2.4000	5.0000	ug/L		48.0		70 - 130	S09
	MSD	2009671-31	ND	2.3900	5.0000	ug/L	0.4	47.8		70 - 130	S09
Triphenylphosphate (Surrogate)	MS	2009671-31	ND	6.2700	5.0000	ug/L		125		70 - 130	
	MSD	2009671-31	ND	6.3600	5.0000	ug/L	1.4	127		70 - 130	
Pyrene-d10 (Surrogate)	MS	2009671-31	ND	4.7500	5.0000	ug/L		95.0		70 - 130	
	MSD	2009671-31	ND	4.8500	5.0000	ug/L	2.1	97.0		70 - 130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Carbamate and Urea Pesticides (EPA Method 531.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076034					
1-Naphthol	B076034-BLK1	<5.0	ug/L	5.0	
Aldicarb	B076034-BLK1	<3.0	ug/L	3.0	
Aldicarb sulfone	B076034-BLK1	<4.0	ug/L	4.0	
Aldicarb sulfoxide	B076034-BLK1	<3.0	ug/L	3.0	
Propoxur	B076034-BLK1	<5.0	ug/L	5.0	
Carbaryl	B076034-BLK1	<5.0	ug/L	5.0	
Carbofuran	B076034-BLK1	<5.0	ug/L	5.0	
3-Hydroxycarbofuran	B076034-BLK1	<3.0	ug/L	3.0	
Methiocarb	B076034-BLK1	<5.0	ug/L	5.0	
Methomyl	B076034-BLK1	<2.0	ug/L	2.0	
Oxamyl	B076034-BLK1	<5.0	ug/L	5.0	
BDMC (Surrogate)	B076034-BLK1	125	%	70 - 130 (LCL - UCL)	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Carbamate and Urea Pesticides (EPA Method 531.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076034										
1-Naphthol	B076034-BS1	LCS	8.3360	10.000	ug/L	83.4		70	130	
Aldicarb	B076034-BS1	LCS	9.4360	10.000	ug/L	94.4		70	130	
Aldicarb sulfone	B076034-BS1	LCS	10.670	10.000	ug/L	107		70	130	
Aldicarb sulfoxide	B076034-BS1	LCS	10.361	10.000	ug/L	104		70	130	
Propoxur	B076034-BS1	LCS	10.072	10.000	ug/L	101		70	130	
Carbaryl	B076034-BS1	LCS	9.7680	10.000	ug/L	97.7		70	130	
Carbofuran	B076034-BS1	LCS	9.7380	10.000	ug/L	97.4		70	130	
3-Hydroxycarbofuran	B076034-BS1	LCS	10.123	10.000	ug/L	101		70	130	
Methiocarb	B076034-BS1	LCS	9.9400	10.000	ug/L	99.4		70	130	
Methomyl	B076034-BS1	LCS	9.7060	10.000	ug/L	97.1		70	130	
Oxamyl	B076034-BS1	LCS	10.519	10.000	ug/L	105		70	130	
BDMC (Surrogate)	B076034-BS1	LCS	10.3	10.0	ug/L	103		70	130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Carbamate and Urea Pesticides (EPA Method 531.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076034		Used client sample: N								
1-Naphthol	MS	2009671-10	ND	9.3460	10.000	ug/L		93.5		70 - 130
	MSD	2009671-10	ND	8.6480	10.000	ug/L	7.8	86.5	30	70 - 130
Aldicarb	MS	2009671-10	ND	9.4280	10.000	ug/L		94.3		70 - 130
	MSD	2009671-10	ND	9.4650	10.000	ug/L	0.4	94.6	30	70 - 130
Aldicarb sulfone	MS	2009671-10	ND	10.746	10.000	ug/L		107		70 - 130
	MSD	2009671-10	ND	10.715	10.000	ug/L	0.3	107	30	70 - 130
Aldicarb sulfoxide	MS	2009671-10	ND	10.404	10.000	ug/L		104		70 - 130
	MSD	2009671-10	ND	11.199	10.000	ug/L	7.4	112	30	70 - 130
Propoxur	MS	2009671-10	ND	9.7580	10.000	ug/L		97.6		70 - 130
	MSD	2009671-10	ND	9.8340	10.000	ug/L	0.8	98.3	30	70 - 130
Carbaryl	MS	2009671-10	ND	9.6690	10.000	ug/L		96.7		70 - 130
	MSD	2009671-10	ND	9.7560	10.000	ug/L	0.9	97.6	30	70 - 130
Carbofuran	MS	2009671-10	ND	9.7170	10.000	ug/L		97.2		70 - 130
	MSD	2009671-10	ND	9.8090	10.000	ug/L	0.9	98.1	30	70 - 130
3-Hydroxycarbofuran	MS	2009671-10	ND	9.8880	10.000	ug/L		98.9		70 - 130
	MSD	2009671-10	ND	10.106	10.000	ug/L	2.2	101	30	70 - 130
Methiocarb	MS	2009671-10	ND	9.8810	10.000	ug/L		98.8		70 - 130
	MSD	2009671-10	ND	9.9340	10.000	ug/L	0.5	99.3	30	70 - 130
Methomyl	MS	2009671-10	ND	9.8150	10.000	ug/L		98.2		70 - 130
	MSD	2009671-10	ND	9.7010	10.000	ug/L	1.2	97.0	30	70 - 130
Oxamyl	MS	2009671-10	ND	10.651	10.000	ug/L		107		70 - 130
	MSD	2009671-10	ND	10.936	10.000	ug/L	2.6	109	30	70 - 130
BDMC (Surrogate)	MS	2009671-10	ND	10.5	10.0	ug/L		105		70 - 130
	MSD	2009671-10	ND	10.3	10.0	ug/L	1.4	103		70 - 130

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Glyphosate Analysis (EPA Method 547)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076136					
Glyphosate	B076136-BLK1	<25	ug/L	25	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Glyphosate Analysis (EPA Method 547)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076136										
Glyphosate	B076136-BS1	LCS	449.99	500.00	ug/L	90.0		70	130	

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Four Season Beverages
4140 Garner Road
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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Glyphosate Analysis (EPA Method 547)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
QC Batch ID: B076136		Used client sample: N									
Glyphosate	MS	2010742-01	ND	368.33	500.00	ug/L		73.7		70 - 130	
	MSD	2010742-01	ND	352.59	500.00	ug/L	4.4	70.5	30	70 - 130	

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Endothal (EPA Method 548.1)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076113					
Endothal	B076113-BLK1	<2.0	ug/L	2.0	

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Endothal (EPA Method 548.1)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076113										
Endothal	B076113-BS1	LCS	117.17	100.00	ug/L	117		70	130	

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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Endothal (EPA Method 548.1)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
QC Batch ID: B076113		Used client sample: N									
Endothal	MS	2009671-33	ND	123.08	100.00	ug/L		123		70 - 130	
	MSD	2009671-33	ND	124.25	100.00	ug/L	0.9	124	30	70 - 130	

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Four Season Beverages
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Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Herbicides (EPA Method 549.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076525					
Diquat	B076525-BLK1	<4.0	ug/L	4.0	

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Four Season Beverages
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Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Herbicides (EPA Method 549.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076525										
Diquat	B076525-BS1	LCS	80.840	80.000	ug/L	101		70	130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Organic Analysis for Herbicides (EPA Method 549.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
QC Batch ID: B076525		Used client sample: N									
Diquat	MS	2009671-57	ND	81.400	80.000	ug/L		102		70 - 130	
	MSD	2009671-57	ND	81.400	80.000	ug/L	0	102	30	70 - 130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Halogenated Acetic Acids (Method EPA-552.3)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076520					
Dibromoacetic acid	B076520-BLK1	<1.0	ug/L	1.0	
Dichloroacetic acid	B076520-BLK1	<1.0	ug/L	1.0	
Monobromoacetic acid	B076520-BLK1	<1.0	ug/L	1.0	
Monochloroacetic acid	B076520-BLK1	<1.0	ug/L	1.0	
Trichloroacetic acid	B076520-BLK1	<1.0	ug/L	1.0	
Total HAA's (Summation)	B076520-BLK1	<1.0	ug/L	1.0	
2,3-Dibromopropionic acid (Surrogate)	B076520-BLK1	72.7	%	70 - 130 (LCL - UCL)	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Halogenated Acetic Acids (Method EPA-552.3)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076520										
Dibromoacetic acid	B076520-BS1	LCS	16.558	15.000	ug/L	110		70	130	
Dichloroacetic acid	B076520-BS1	LCS	14.495	15.000	ug/L	96.6		70	130	
Monobromoacetic acid	B076520-BS1	LCS	15.952	15.000	ug/L	106		70	130	
Monochloroacetic acid	B076520-BS1	LCS	14.644	15.000	ug/L	97.6		70	130	
Trichloroacetic acid	B076520-BS1	LCS	17.065	15.000	ug/L	114		70	130	
2,3-Dibromopropionic acid (Surrogate)	B076520-BS1	LCS	12.7	15.0	ug/L	84.8		70	130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Halogenated Acetic Acids (Method EPA-552.3)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	Percent Recovery	
QC Batch ID: B076520		Used client sample: N								
Dibromoacetic acid	MS	2009671-54	ND	18.618	15.000	ug/L		124	70 - 130	
	MSD	2009671-54	ND	19.580	15.000	ug/L	5.0	131	30 70 - 130	Q03
Dichloroacetic acid	MS	2009671-54	ND	16.385	15.000	ug/L		109	70 - 130	
	MSD	2009671-54	ND	16.986	15.000	ug/L	3.6	113	30 70 - 130	
Monobromoacetic acid	MS	2009671-54	ND	18.480	15.000	ug/L		123	70 - 130	
	MSD	2009671-54	ND	19.085	15.000	ug/L	3.2	127	30 70 - 130	
Monochloroacetic acid	MS	2009671-54	ND	17.586	15.000	ug/L		117	70 - 130	
	MSD	2009671-54	ND	20.448	15.000	ug/L	15.0	136	30 70 - 130	Q03
Trichloroacetic acid	MS	2009671-54	ND	17.800	15.000	ug/L		119	70 - 130	
	MSD	2009671-54	ND	20.356	15.000	ug/L	13.4	136	30 70 - 130	Q03
2,3-Dibromopropionic acid (Surrogate)	MS	2009671-54	ND	11.8	15.0	ug/L		78.6	70 - 130	
	MSD	2009671-54	ND	14.9	15.0	ug/L	23.5	99.6	70 - 130	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B^D0256					
Nitrate + Nitrite as N	B^D0256-BLK1	<0.10	mg/L	0.10	
QC Batch ID: B067697					
Bicarbonate Alkalinity as CaCO3	B067697-BLK1	<4.1	mg/L	4.1	
Carbonate Alkalinity as CaCO3	B067697-BLK1	<4.1	mg/L	4.1	
Hydroxide Alkalinity as CaCO3	B067697-BLK1	<4.1	mg/L	4.1	
Total Alkalinity as CaCO3	B067697-BLK1	<4.1	mg/L	4.1	
QC Batch ID: B075980					
Chloride	B075980-BLK1	<0.50	mg/L	0.50	
Fluoride	B075980-BLK1	<0.050	mg/L	0.050	
Nitrate as N	B075980-BLK1	<0.10	mg/L	0.10	
Sulfate	B075980-BLK1	<1.0	mg/L	1.0	
QC Batch ID: B076093					
Nitrite as N	B076093-BLK1	<0.050	mg/L	0.050	
QC Batch ID: B076158					
Total Recoverable Calcium	B076158-BLK1	<0.10	mg/L	0.10	
Total Recoverable Magnesium	B076158-BLK1	<0.050	mg/L	0.050	
Total Recoverable Sodium	B076158-BLK1	<0.50	mg/L	0.50	
Total Recoverable Potassium	B076158-BLK1	<1.0	mg/L	1.0	
QC Batch ID: B076303					
Chloramine as Cl2	B076303-BLK1	<0.10	mg/L	0.10	
Residual Chlorine	B076303-BLK1	<0.10	mg/L	0.10	
QC Batch ID: B076304					
Chlorine dioxide	B076304-BLK1	<0.20	mg/L	0.20	
QC Batch ID: B076308					
Total Dissolved Solids @ 180 C	B076308-BLK1	<6.7	mg/L	6.7	
QC Batch ID: B076436					
Odor	B076436-BLK1	<1.0	Odor Units	1.0	
QC Batch ID: B076664					
Total Cyanide	B076664-BLK1	<0.0050	mg/L	0.0050	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: B067697										
Total Alkalinity as CaCO3	B067697-BS3	LCS	103.60	100.00	mg/L	104		90 - 110		
pH	B067697-BS2	LCS	7.0300	7.0000	pH Units	100		95 - 105		
QC Batch ID: B075980										
Chloride	B075980-BS1	LCS	52.488	50.000	mg/L	105		90 - 110		
Fluoride	B075980-BS1	LCS	0.96500	1.0000	mg/L	96.5		90 - 110		
Nitrate as N	B075980-BS1	LCS	5.0910	5.0000	mg/L	102		90 - 110		
Sulfate	B075980-BS1	LCS	104.54	100.00	mg/L	105		90 - 110		
QC Batch ID: B076093										
Nitrite as N	B076093-BS1	LCS	0.49346	0.50000	mg/L	98.7		90 - 110		
QC Batch ID: B076158										
Total Recoverable Calcium	B076158-BS1	LCS	10.498	10.000	mg/L	105		85 - 115		
Total Recoverable Magnesium	B076158-BS1	LCS	10.710	10.000	mg/L	107		85 - 115		
Total Recoverable Sodium	B076158-BS1	LCS	10.842	10.000	mg/L	108		85 - 115		
Total Recoverable Potassium	B076158-BS1	LCS	10.322	10.000	mg/L	103		85 - 115		
QC Batch ID: B076308										
Total Dissolved Solids @ 180 C	B076308-BS1	LCS	585.00	586.00	mg/L	99.8		90 - 110		
QC Batch ID: B076664										
Total Cyanide	B076664-BS1	LCS	0.14026	0.15000	mg/L	93.5		90 - 110		

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	Percent Recovery	
QC Batch ID: B067697		Used client sample: N								
Bicarbonate Alkalinity as CaCO3	DUP	2011538-04	113.34	110.30		mg/L	2.7		10	
Carbonate Alkalinity as CaCO3	DUP	2011538-04	ND	<4.1		mg/L			10	
Hydroxide Alkalinity as CaCO3	DUP	2011538-04	ND	<4.1		mg/L			10	
Total Alkalinity as CaCO3	DUP	2011538-04	113.34	110.30		mg/L	2.7		10	
pH	DUP	2011538-04	7.4600	7.4300		pH Units	0.4		20	
QC Batch ID: B075980		Used client sample: N								
Chloride	DUP	2011554-01	34.302	34.406		mg/L	0.3		10	
	MS	2011554-01	34.302	89.238	50.505	mg/L		109		80 - 120
	MSD	2011554-01	34.302	89.500	50.505	mg/L	0.3	109	10	80 - 120
Fluoride	DUP	2011554-01	0.24900	0.24400		mg/L	2.0		10	
	MS	2011554-01	0.24900	1.3202	1.0101	mg/L		106		80 - 120
	MSD	2011554-01	0.24900	1.3202	1.0101	mg/L	0	106	10	80 - 120
Nitrate as N	DUP	2011554-01	ND	<0.10		mg/L			10	
	MS	2011554-01	ND	5.2626	5.0505	mg/L		104		80 - 120
	MSD	2011554-01	ND	5.2768	5.0505	mg/L	0.3	104	10	80 - 120
Sulfate	DUP	2011554-01	31.120	31.080		mg/L	0.1		10	
	MS	2011554-01	31.120	142.20	101.01	mg/L		110		80 - 120
	MSD	2011554-01	31.120	142.15	101.01	mg/L	0.0	110	10	80 - 120
QC Batch ID: B076093		Used client sample: N								
Nitrite as N	DUP	2011551-01	ND	<0.050		mg/L			10	
	MS	2011551-01	ND	0.53474	0.52632	mg/L		102		90 - 110
	MSD	2011551-01	ND	0.53478	0.52632	mg/L	0.0	102	10	90 - 110
QC Batch ID: B076158		Used client sample: N								
Total Recoverable Calcium	DUP	2011551-02	10.923	11.299		mg/L	3.4		20	
	MS	2011551-02	10.923	21.500	10.000	mg/L		106		75 - 125
	MSD	2011551-02	10.923	20.951	10.000	mg/L	2.6	100	20	75 - 125
Total Recoverable Magnesium	DUP	2011551-02	3.4837	3.6900		mg/L	5.8		20	
	MS	2011551-02	3.4837	14.005	10.000	mg/L		105		75 - 125
	MSD	2011551-02	3.4837	13.757	10.000	mg/L	1.8	103	20	75 - 125
Total Recoverable Sodium	DUP	2011551-02	4.6943	4.8185		mg/L	2.6		20	
	MS	2011551-02	4.6943	15.390	10.000	mg/L		107		75 - 125
	MSD	2011551-02	4.6943	14.923	10.000	mg/L	3.1	102	20	75 - 125
Total Recoverable Potassium	DUP	2011551-02	2.2295	2.2545		mg/L	1.1		20	
	MS	2011551-02	2.2295	12.321	10.000	mg/L		101		75 - 125
	MSD	2011551-02	2.2295	11.983	10.000	mg/L	2.8	97.5	20	75 - 125
QC Batch ID: B076303		Used client sample: N								
Chloramine as Cl2	DUP	2011551-01	ND	<0.10		mg/L			10	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: B076303		Used client sample: N								
Residual Chlorine	DUP	2011551-01	ND	<0.10		mg/L			10	
QC Batch ID: B076304		Used client sample: N								
Chlorine dioxide	DUP	2011552-01	ND	<0.20		mg/L			10	
QC Batch ID: B076308		Used client sample: N								
Total Dissolved Solids @ 180 C	DUP	2011558-02	905.00	905.00		mg/L	0		10	
QC Batch ID: B076434		Used client sample: N								
Color	DUP	2011551-01	1.0000	1.0000		Color Units	0		20	
QC Batch ID: B076438		Used client sample: N								
Turbidity	DUP	2011551-01	0.16700	0.16500		NT Units	1.2		10	
QC Batch ID: B076664		Used client sample: N								
Total Cyanide	DUP	2011467-03	ND	<0.0050		mg/L			10	
	MS	2011467-03	ND	0.088672	0.10000	mg/L		88.7		90 - 110 Q03
	MSD	2011467-03	ND	0.088759	0.10000	mg/L	0.1	88.8	10	90 - 110 Q03

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	Lab Quals
QC Batch ID: B076048					
Total Recoverable Antimony	B076048-BLK1	<0.0020	mg/L	0.0020	
Total Recoverable Arsenic	B076048-BLK1	<0.0020	mg/L	0.0020	
Total Recoverable Beryllium	B076048-BLK1	<0.0010	mg/L	0.0010	
Total Recoverable Cadmium	B076048-BLK1	<0.0010	mg/L	0.0010	
Total Recoverable Lead	B076048-BLK1	<0.0010	mg/L	0.0010	
Total Recoverable Selenium	B076048-BLK1	<0.0020	mg/L	0.0020	
Total Recoverable Thallium	B076048-BLK1	<0.0010	mg/L	0.0010	
QC Batch ID: B076158					
Total Recoverable Aluminum	B076158-BLK1	<0.050	mg/L	0.050	
Total Recoverable Barium	B076158-BLK1	<0.010	mg/L	0.010	
Total Recoverable Chromium	B076158-BLK1	<0.010	mg/L	0.010	
Total Recoverable Copper	B076158-BLK1	<0.010	mg/L	0.010	
Total Recoverable Iron	B076158-BLK1	<0.050	mg/L	0.050	
Total Recoverable Manganese	B076158-BLK1	<0.010	mg/L	0.010	
Total Recoverable Nickel	B076158-BLK1	<0.010	mg/L	0.010	
Total Recoverable Silver	B076158-BLK1	<0.010	mg/L	0.010	
Total Recoverable Zinc	B076158-BLK1	<0.050	mg/L	0.050	
QC Batch ID: B076586					
Total Recoverable Mercury	B076586-BLK1	<0.20	ug/L	0.20	

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Metals Analysis

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: B076048										
Total Recoverable Antimony	B076048-BS1	LCS	0.038636	0.040000	mg/L	96.6		85 - 115		
Total Recoverable Arsenic	B076048-BS1	LCS	0.098072	0.100000	mg/L	98.1		85 - 115		
Total Recoverable Beryllium	B076048-BS1	LCS	0.041053	0.040000	mg/L	103		85 - 115		
Total Recoverable Cadmium	B076048-BS1	LCS	0.039664	0.040000	mg/L	99.2		85 - 115		
Total Recoverable Lead	B076048-BS1	LCS	0.10366	0.100000	mg/L	104		85 - 115		
Total Recoverable Selenium	B076048-BS1	LCS	0.095989	0.100000	mg/L	96.0		85 - 115		
Total Recoverable Thallium	B076048-BS1	LCS	0.040516	0.040000	mg/L	101		85 - 115		
QC Batch ID: B076158										
Total Recoverable Aluminum	B076158-BS1	LCS	1.0591	1.0000	mg/L	106		85 - 115		
Total Recoverable Barium	B076158-BS1	LCS	0.44835	0.400000	mg/L	112		85 - 115		
Total Recoverable Chromium	B076158-BS1	LCS	0.21189	0.200000	mg/L	106		85 - 115		
Total Recoverable Copper	B076158-BS1	LCS	0.39948	0.400000	mg/L	99.9		85 - 115		
Total Recoverable Iron	B076158-BS1	LCS	1.0913	1.0000	mg/L	109		85 - 115		
Total Recoverable Manganese	B076158-BS1	LCS	0.54027	0.500000	mg/L	108		85 - 115		
Total Recoverable Nickel	B076158-BS1	LCS	0.44931	0.400000	mg/L	112		85 - 115		
Total Recoverable Silver	B076158-BS1	LCS	0.10177	0.100000	mg/L	102		85 - 115		
Total Recoverable Zinc	B076158-BS1	LCS	0.53879	0.500000	mg/L	108		85 - 115		
QC Batch ID: B076586										
Total Recoverable Mercury	B076586-BS1	LCS	1.0500	1.0000	ug/L	105		85 - 115		

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	Percent Recovery	
QC Batch ID: B076048		Used client sample: N								
Total Recoverable Antimony	DUP	2011551-01	ND	<0.0020		mg/L			20	
	MS	2011551-01	ND	0.042843	0.040816	mg/L		105	70 - 130	
	MSD	2011551-01	ND	0.043088	0.040816	mg/L	0.6	106	20	70 - 130
Total Recoverable Arsenic	DUP	2011551-01	ND	<0.0020		mg/L			20	
	MS	2011551-01	ND	0.11214	0.10204	mg/L		110	70 - 130	
	MSD	2011551-01	ND	0.11067	0.10204	mg/L	1.3	108	20	70 - 130
Total Recoverable Beryllium	DUP	2011551-01	ND	<0.0010		mg/L			20	
	MS	2011551-01	ND	0.043290	0.040816	mg/L		106	70 - 130	
	MSD	2011551-01	ND	0.043387	0.040816	mg/L	0.2	106	20	70 - 130
Total Recoverable Cadmium	DUP	2011551-01	ND	<0.0010		mg/L			20	
	MS	2011551-01	ND	0.045046	0.040816	mg/L		110	70 - 130	
	MSD	2011551-01	ND	0.045317	0.040816	mg/L	0.6	111	20	70 - 130
Total Recoverable Lead	DUP	2011551-01	ND	<0.0010		mg/L			20	
	MS	2011551-01	ND	0.11076	0.10204	mg/L		109	70 - 130	
	MSD	2011551-01	ND	0.10834	0.10204	mg/L	2.2	106	20	70 - 130
Total Recoverable Selenium	DUP	2011551-01	ND	<0.0020		mg/L			20	
	MS	2011551-01	ND	0.11894	0.10204	mg/L		117	70 - 130	
	MSD	2011551-01	ND	0.11747	0.10204	mg/L	1.2	115	20	70 - 130
Total Recoverable Thallium	DUP	2011551-01	ND	<0.0010		mg/L			20	
	MS	2011551-01	ND	0.043308	0.040816	mg/L		106	70 - 130	
	MSD	2011551-01	ND	0.042244	0.040816	mg/L	2.5	103	20	70 - 130
QC Batch ID: B076158		Used client sample: N								
Total Recoverable Aluminum	DUP	2011551-02	ND	<0.050		mg/L			20	
	MS	2011551-02	ND	1.0174	1.0000	mg/L		102	75 - 125	
	MSD	2011551-02	ND	0.99000	1.0000	mg/L	2.7	99.0	20	75 - 125
Total Recoverable Barium	DUP	2011551-02	0.024668	0.025340		mg/L	2.7		20	
	MS	2011551-02	0.024668	0.45325	0.40000	mg/L		107	75 - 125	
	MSD	2011551-02	0.024668	0.43873	0.40000	mg/L	3.3	104	20	75 - 125
Total Recoverable Chromium	DUP	2011551-02	ND	<0.010		mg/L			20	
	MS	2011551-02	ND	0.20330	0.20000	mg/L		102	75 - 125	
	MSD	2011551-02	ND	0.19524	0.20000	mg/L	4.0	97.6	20	75 - 125
Total Recoverable Copper	DUP	2011551-02	ND	<0.010		mg/L			20	
	MS	2011551-02	ND	0.38727	0.40000	mg/L		96.8	75 - 125	
	MSD	2011551-02	ND	0.37956	0.40000	mg/L	2.0	94.9	20	75 - 125
Total Recoverable Iron	DUP	2011551-02	ND	<0.050		mg/L			20	
	MS	2011551-02	ND	1.0820	1.0000	mg/L		108	75 - 125	
	MSD	2011551-02	ND	1.0509	1.0000	mg/L	2.9	105	20	75 - 125

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
QC Batch ID: B076158		Used client sample: N								
Total Recoverable Manganese	DUP	2011551-02	ND	<0.010		mg/L			20	
	MS	2011551-02	ND	0.52223	0.50000	mg/L		104		75 - 125
	MSD	2011551-02	ND	0.50867	0.50000	mg/L	2.6	102	20	75 - 125
Total Recoverable Nickel	DUP	2011551-02	ND	<0.010		mg/L			20	
	MS	2011551-02	ND	0.43063	0.40000	mg/L		108		75 - 125
	MSD	2011551-02	ND	0.41106	0.40000	mg/L	4.6	103	20	75 - 125
Total Recoverable Silver	DUP	2011551-02	ND	<0.010		mg/L			20	
	MS	2011551-02	ND	0.098337	0.10000	mg/L		98.3		75 - 125
	MSD	2011551-02	ND	0.095260	0.10000	mg/L	3.2	95.3	20	75 - 125
Total Recoverable Zinc	DUP	2011551-02	ND	<0.050		mg/L			20	
	MS	2011551-02	ND	0.51323	0.50000	mg/L		103		75 - 125
	MSD	2011551-02	ND	0.49757	0.50000	mg/L	3.1	99.5	20	75 - 125
QC Batch ID: B076586		Used client sample: N								
Total Recoverable Mercury	DUP	2011552-02	0.045000	<0.20		ug/L			20	
	MS	2011552-02	0.045000	1.0300	1.0000	ug/L		98.5		70 - 130
	MSD	2011552-02	0.045000	1.0200	1.0000	ug/L	1.0	97.5	20	70 - 130

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

ADD2650
5/08/2020
Invoice: AD08921

Christina Herndon
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

RE: Report for ADD2650 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 4/27/2020. 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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ADD2650 FINAL 05082020 1612

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Page 1 of 8



ADD2650

General: Project Manager-Chrissy Herndon

Case Narrative

Project and Report Details Invoice Details

Client: BC Laboratories
Report To: Christina Herndon
Project #: 2011553
Received: 4/27/2020 - 15:33
Report Due: 5/11/2020

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

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 7.5

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Initial receipt at BSK-FAL

Cooler: New Cooler
Temperature on Receipt °C: 5.1

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Initial receipt at BSK-FAL

Data Qualifiers

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

- EC.x Concentration Estimated. Analyte recovery exceeds calibration range. Reanalyzed at a dilution. See MS2/MSD2
- SC1.41 Sample was received without chemical preservation. Sample volume was split and preserved by the laboratory.

Report Distribution

Recipient(s)	Report Format	CC:
Christina Herndon	FINAL.RPT	
Christina Herndon	FINAL.RPT	sguenther@bskassociates.com;johnw@bclabs.com

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ADD2650 FINAL 05082020 1612



ADD2650

General: Project Manager-Chrissy Herndon

2011553

Certificate of Analysis

Sample ID: ADD2650-01
Sampled By: Client
Sample Description: 2011553-01

Sample Date - Time: 04/20/2020 - 10:04
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	0.0021	0.0010	mg/L	1	ADE0077	05/04/20	05/04/20	SC1.41
Chlorite	EPA 300.1	ND	0.0050	mg/L	1	ADE0072	05/04/20	05/04/20	SC1.41
Surrogate: Dichloroacetate	EPA 300.1	95 %	Acceptable range: 90-115 %						

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ADD2650 FINAL 05082020 1612

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Page 3 of 8

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ADD2650

General: Project Manager-Chrissy Herndon

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Table with 11 columns: Analyte, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual

EPA 300.1 - Quality Control

Batch: ADE0072

Prepared: 5/4/2020

Prep Method: Method Specific Preparation

Analyst: RES

Blank Spike (ADE0072-BS1)

Table with 2 rows: Chlorite, Surrogate: Dichloroacetate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Blank Spike Dup (ADE0072-BSD1)

Table with 2 rows: Chlorite, Surrogate: Dichloroacetate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Matrix Spike (ADE0072-MS1), Source: ADD2647-01

Table with 2 rows: Chlorite, Surrogate: Dichloroacetate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Matrix Spike Dup (ADE0072-MSD1), Source: ADD2647-01

Table with 2 rows: Chlorite, Surrogate: Dichloroacetate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

EPA 317.0 - Quality Control

Batch: ADE0077

Prepared: 5/4/2020

Prep Method: Method Specific Preparation

Analyst: DXR

Blank (ADE0077-BLK1)

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Blank Spike (ADE0077-BS1)

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Blank Spike Dup (ADE0077-BSD1)

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Matrix Spike (ADE0077-MS1), Source: ADD2641-01

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Matrix Spike (ADE0077-MS2), Source: ADD2641-01

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Matrix Spike Dup (ADE0077-MSD1), Source: ADD2641-01

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

Matrix Spike Dup (ADE0077-MSD2), Source: ADD2641-01

Table with 1 row: Bromate. Columns include Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual.

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ADD2650 FINAL 05082020 1612



ADD2650

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.
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.
(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.
Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
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 MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
(2) - Formerly known as Bis(2-Chloroisopropyl) ether.

Definitions

Table with 4 columns: Unit/Abbreviation, Definition, Unit/Abbreviation, Definition. Includes mg/L, mg/Kg, µg/L, µg/Kg, %, NR, MDL, RL, ND, pCi/L, RL Mult, MCL, MDA95, MPN, CFU, Absent, Present, U.

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

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

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ADD2650 FINAL 05082020 1612



ADD2650

General: Project Manager-Chrissy Herndon

Certificate of Analysis

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

2435

Fresno

State of California - ELAP	1180
Los Angeles CSD	9254479
State of Nevada	CA000792020-2
EPA - UCMR4	CA00079

State of Hawaii	4021
NELAP certified	4021-014
State of Oregon - NELAP	4021-014
State of Washington	C997-20

San Bernardino

State of California - ELAP	2993
NELAP certified	4119-004

Los Angeles CSD	9254478
State of Oregon - NELAP	4119-004

Vancouver

NELAP certified	WA100008-012
State of Washington	C824-19

State of Oregon - NELAP	WA100008-013
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Page 6 of 8

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BSK Associates SR-FL-0002-20

ADD2650 BCLab4911 04/27/2020



Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info	Is temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$	Yes	No	NA	Are 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 in VOA (524.2/TCP/TTHM)? TB Received? (Check Method Below)	Yes	No	NA
	Did all bottles arrive unbroken and intact?	Yes	No	NA	Is sufficient amount of sample received?	Yes	No	NA
	Do all bottle labels agree with COC?	Yes	No	NA	Do samples have a hold time <72 hours?	Yes	No	NA
Bottles Received	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes	No	NA	Has PM been notified of discrepancies? PM: Sarah By/Time: 8:159	Yes	No	NA
	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks	Passed?					
* means preservation/chlorine checks are either N/A or are performed in the lab	Bacti $\text{Na}_2\text{S}_2\text{O}_3$	—	—					
	None (P) White Cap	—	—					
	Cr6 (P) LL Green Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ DW	Cl, pH > 8	P	F				
	Cr6 (P) Pink Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ WW	pH 9.3-9.7	P	F				
	Cr6 (P) Black Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ 7199 ***24 HOUR HOLD TIME***	pH 9.0-9.5	P	F				
	HNO_3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	—	—					
	H_2SO_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) 608/8081/8082, 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	—	—					
	$\text{Na}_2\text{S}_2\text{O}_3$ 1 Liter (Brown P) 549	—	—					
	$\text{Na}_2\text{S}_2\text{O}_3$ (AG) Blue Label 548, THM, 524	—	—					
	$\text{Na}_2\text{S}_2\text{O}_3$ (CG) Blue Label 504, 505, 547	—	—					
	$\text{Na}_2\text{S}_2\text{O}_3$ + MCAA (CG) Orange Label 531	pH < 3	P	F				
	NH_4Cl (AG) Purple Label 552	—	—					
	EDA (AG) Brown Label DBPs	—	—					
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Trizma - EPA 537.1	—	—						
Other:								
Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—						
Bottled Water	—	—						
Clear Glass 125mL / 250mL / 500mL / 1 Liter	—	—						
Solids: Brass / Steel / Plastic Bag	—	—						
Split	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials		
	S (P)	IA (AG)	EDA 4.27.20 (16:20) EA	S	P			
Comments	AG NOT Pres out of temp so decay to proceed with analysis out of temp per e-mail from Molly Meyers on 4/27/2020. See			Indicates Blanks Received				
				504 ___ 524.2 ___ TCP ___ TTHM ___ 537 ___ 8260/624 ___				

Scanned: [Signature]



7.5.5.1
#31

SUBCONTRACT ORDER
BC Laboratories
2011553

A1DD2650 BCLab4911 04/27/2020



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

Analysis	Due	Expires	Comments
Sample ID: 2011553-01	Water	Sampled: 04/20/20 10:04	
EPA 300.0 - Bromate	05/04/20 17:00	05/18/20 10:04	
EPA 300.1 - Chlorite	05/04/20 17:00	05/04/20 10:04	
Containers supplied:			

PGMS /WT /BW

Released By Date 4/27/20

Received By Date 4/27/2020 1533

Released By _____ Date _____

Received By _____ Date _____

BSKSA

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May 4, 2020

FAL Project 13076

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

Dear Ms. Herndon,

The following results are associated with Frontier Analytical Laboratory project **13076**. This corresponds to your subcontract order number **2011553**. One drinking water sample was received on 4/24/2020 in good condition. This sample was extracted and analyzed by EPA Method 1613 for 2,3,7,8-TCDD only. BC Laboratories requested a turnaround time of fifteen business days for project **13076**.

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 file (PDF). A hardcopy of this report will not be sent to you unless specifically requested.

If you have any questions regarding project **13076**, please feel free to contact me at 916-934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Thomas C. Crabtree
Director

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

000001 of 000008



Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: 13076

Received on: 04/24/2020

Project Due: 05/18/2020

Storage: R-4

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13076-001-SA	0	2011553	2011553-01	EPA 1613 TCDD	Drinking Water	04/20/2020	10:04 am	04/20/2021

000002 of 000008

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

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EPA Method 1613
TCDD



FAL ID: 13076-001-MB
Client ID: Method Blank
Matrix: Drinking Water
Batch No: X5306

Date Extracted: 04-27-2020
Date Received: NA
Amount: 1.000 L

ICal: pcd/fal/3-3-23-20
GC Column: DB5MS
Units: pg/L

Acquired: 04-29-2020
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.692		0.368
Internal Standards				
13C-2,3,7,8-TCDD	102	QC Limits		Qual
		31.0 - 137		
Cleanup Surrogate				
37Cl-2,3,7,8-TCDD	111	42.0 - 164		

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

Analyst: _____
Date: 5/1/2020

Reviewed By: _____
Date: 5/4/2020

000003 of 000008

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

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EPA Method 1613
TCDD



FAL ID: 13076-001-OPR
Client ID: OPR
Matrix: Drinking Water
Batch No: X5306

Date Extracted: 04-27-2020
Date Received: NA
Amount: 1.000 L


ICal: pcd/fal/3-3-23-20
GC Column: DB5MS
Units: ng/ml

Acquired: 04-29-2020
WHO TEQ: NA

Compound	Conc	QC Limits
2,3,7,8-TCDD	11.0	7.30 - 14.6
Internal Standards		
% Rec	QC Limits	
13C-2,3,7,8-TCDD	99.6	25.0 - 141
Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	105	37.0 - 158

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

Analyst: 
Date: 5/1/2020

Reviewed By: 
Date: 5/4/2020

000004 of 000008

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



EPA Method 1613
TCDD



FAL ID: 13076-001-SA
Client ID: 2011553-01
Matrix: Drinking Water
Batch No: X5306

Date Extracted: 04-27-2020
Date Received: 04-24-2020
Amount: 0.980 L

ICal: PCDDFAL3-3-23-20
GC Column: DB5MS
Units: pg/L

Acquired: 04-30-2020
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	4.71		0.368

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	102	31.0 - 137	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	118	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: [Signature]
Date: 5/1/2020

Reviewed By: [Signature]
Date: 5/4/2020

000005 of 000008

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

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SUBCONTRACT ORDER
BC Laboratories
2011553

SENDING LABORATORY:

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

RECEIVING LABORATORY:


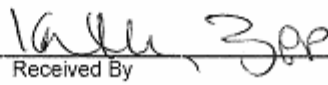
Frontier Analytical Laboratory
5172 Hillside Circle
El Dorado Hills, CA 95762
Phone: (916) 934-0900
FAX: (916) 934-0999

13076
joc

FRNTL

Analysis	Due	Expires	Comments
Sample ID: 2011553-01 EPA 1613B - 2,3,7,8-TCDD Containers supplied:	Water 05/04/20 17:00	Sampled: 04/20/20 10:04 04/19/21 10:04	drinking water

4705 0423 2037 1826 127

Released By  Date 4-23-20 Received By  Date 4-24-20 1010

Released By _____ Date _____ Received By _____ Date _____ 000006 of 000008

FRNTL

Page 1 of 1

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Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **13076**

Client:	BC Laboratories, Inc
Client Project ID:	2011553
Date Received:	04/24/2020
Time Received:	10:10 am
Received By:	KZ
Logged In By:	RR
# of Samples Received:	1
Duplicates:	0
Storage Location:	R-4

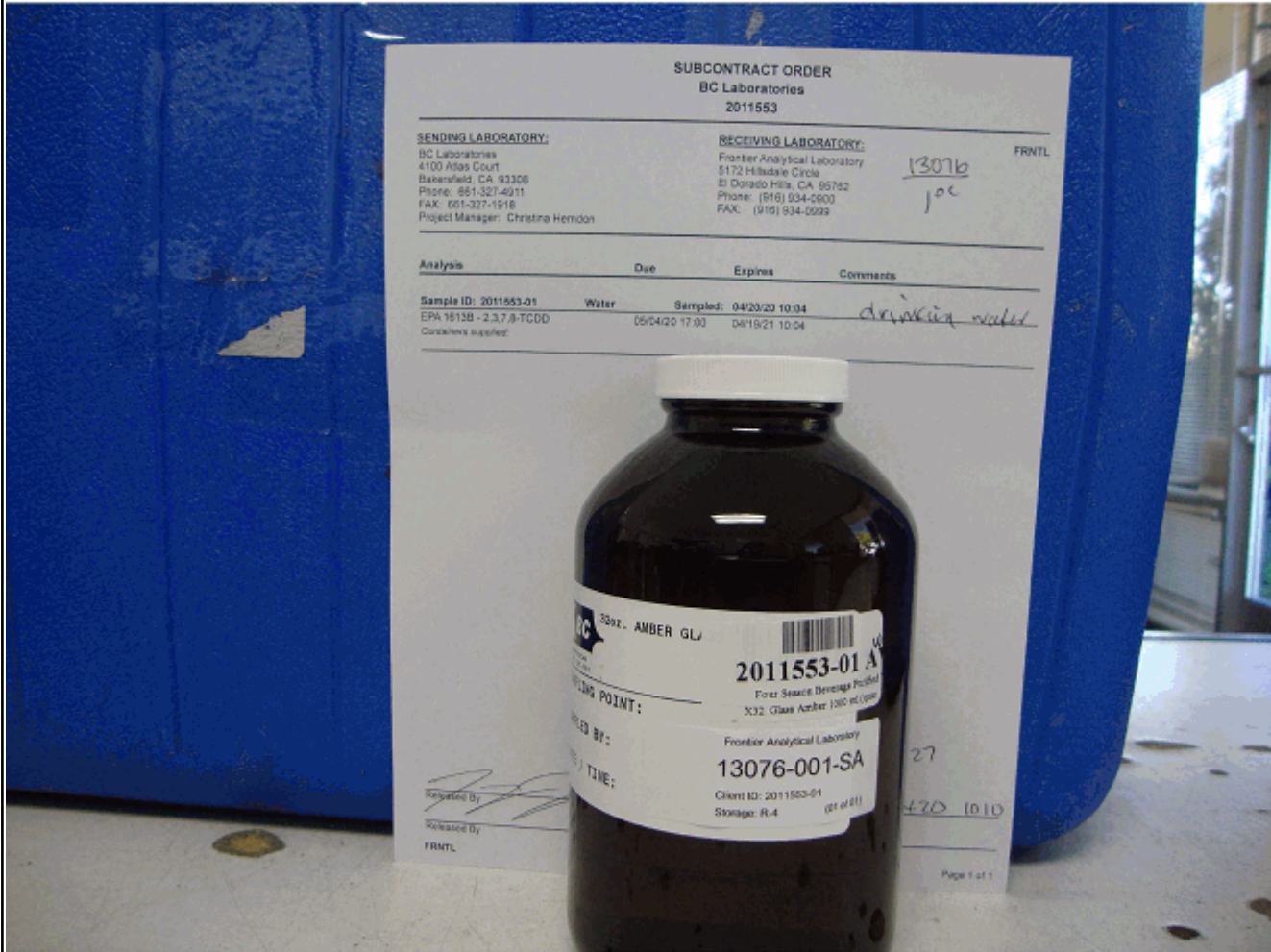
Method of Delivery:	Golden State Overnight
Tracking Number:	4705042320371826127
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	1
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	Yes
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	Between 4 and 9
Anomalies or additional comments:	

000007 of 000008

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Eaton Analytical


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
Attention: Chrissy Herndon

Date of Issue
05/11/2020



EUROFINS EATON
ANALYTICAL, LLC



Utah ELCP CA00006

WV6M: Rosalynn Dang
Project Manager

Report:868221
Project:SUBCONTRACT
Group:Low Level Phenolics

- * Effective May 4, 2020 EEAM Lab is A2LA accredited for ISO/IEC 17025:2017.
- * Accredited in accordance with **TNI 2016 and ISO/IEC 17025:2017**.
- * Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.
- * Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
- * Test results relate only to the sample(s) tested.
- * Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).
- * This report shall not be reproduced except in full, without the written approval of the laboratory.
- * This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.



Eaton Analytical

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA000062018
California	2813	New Hampshire *	2959
Colorado	Certified	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	Certified
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	18-005R	Oregon *	CA200003-005
Hawaii	Certified	Pennsylvania *	68-565
Idaho	Certified	Puerto Rico	Certified
Illinois *	200033	Rhode Island	LAO00326
Indiana	C-CA-01	South Carolina	87016
Iowa - Asbestos	413	South Dakota	Certified
Kansas *	E-10268	Tennessee	TN02839
Kentucky	90107	Texas *	T104704230-18-15
Louisiana *	LA180000	Utah (Primary AB) *	CA00006
Maine	CA0006	Vermont	VT0114
Maryland	224	Virginia *	460260
Commonwealth of Northern Marianas Is.	MP0004	Washington	C838
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, LLC

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

T | 626-386-1100
F | 866-988-3757
www.EurofinsUS.com/Eaton

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ISO/IEC 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/A2LA. Refer to Certificate and scope of accreditation (5890) found at: https://www.eurofinsus.com/Eaton

Table with 5 columns: SPECIFIC TESTS, METHOD OR TECHNIQUE USED, Environmental (Drinking Water), Environmental (Waste Water), Water as a Component of Food and Sewer Effluent. The table lists various tests such as 1,2,3-TCP, Hexavalent Chromium, and E. Coli with their respective methods and accreditation status.

750 Royal Oaks Dr., Ste 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 https://www.eurofinsus.com/Eaton Version 999 issued 05/04/20



Acknowledgement of Samples Received

Addr: **BC Laboratories, Inc.**
4100 Atlas Court
Bakersfield, CA 93308

Client ID: BCLAB
Folder #: 868221
Project: SUBCONTRACT
Sample Group: Low Level Phenolics

Attn: Chrissy Herndon
Phone: 8008784911

Project Manager: Rosalynn Dang
Phone: 626-386-1250
PO #: 2011553

The following samples were received from you on **April 28, 2020** at **1145**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202004280515	2011553-01	04/20/2020 1004

Phenolic Compounds-low level

Test Description

Reported: 05/12/2020

Page 1 of 1

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Page 4 of 9 pages

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SUBCONTRACT ORDER

**BC Laboratories
2011553**

4.9.20 JCS JBF 221

SENDING LABORATORY:

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

RECEIVING LABORATORY:

Eurofins Eaton Analytical - Monrovia
750 Royal Oaks, Suite 100
Monrovia, CA 91101
Martha Frost
Phone: (626) 386-1100
FAX: (626) 568-6324

MWHMR

Analysis	Due	Expires	Comments
Sample ID: 2011553-01	Water	Sampled: 04/20/20 10:04	
EPA 420.4 - Phenols	05/04/20 17:00	05/18/20 10:04	
Containers supplied:			

	<i>4-21-20</i>		<i>4/28/20 MFS</i>
Released By	Date	Received By	Date

Released By	Date	Received By	Date
-------------	------	-------------	------

MWHMR



INTERNAL CHAIN OF CUSTODY RECORD

eurolins Eaton Analytical

EEA Folder Number: 868221

SAMPLE TEMP RECEIVED: IR Gun ID = 031A (Observation) 5.3 °C (Corr. Factor) 2 °C (Final = 5.1 °C)

TYPE OF ICE: Real [x] Synthetic [] No Ice [] CONDITION OF ICE: Frozen [x] Partially Frozen [] Thawed [] N/A []

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: ALS

Compliance Acceptance Criteria:

- 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)
2) Microbiology, Distribution: < 10°C, not frozen (can be ≥ 10°C if received on ice the same day as sample collection, within 8 hours)
3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)

Table with 4 columns: 1 - (Observations) °C, (Corr Factor) °C, (Final) °C; 2 - (Observations) °C, (Corr Factor) °C, (Final) °C; 3 - (Observations) °C, (Corr Factor) °C, (Final) °C; 4 - (Observations) °C, (Corr Factor) °C, (Final) °C

4 Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)

5) pH Check. Manufacturer: Lot Number: pH strip type: 0 - 14 or Expiration Date: Results:

6) Chlorine check. Manufacturer: Sansafe. Lot No.: Expiration Date: Results:

7) VOA Headspace: No Samples with Headspace: Samples with Headspace (see below):

Table with 3 columns: Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCHS methods using 40 ml vials, International clients: Stamp ID, Bottle #, None<6 >6mm

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors):

RECEIVED BY: Joe Sanchez SIGNATURE DATE: 4/28/20 TIME: 1150

COMPANY/TITLE: Eurofins Eaton Analytical

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Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 868221
Project: SUBCONTRACT
Group: Low Level Phenolics

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

Flags Legend:

NE - Results reported for Phenolic Compounds Low Level are obtained using an in-line distillation process, based on EPA Methods 420.2 and 420.4

The Comments Report may be blank if there are no comments for this report.



Eaton Analytical

Laboratory Data

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Report: 868221
Project: SUBCONTRACT
Group: Low Level Phenolics

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

Samples Received on:
04/28/2020 1145

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>2011553-01 (202004280515)</u>						Sampled on 04/20/2020 1004			
EPA 420.4 - Phenolic Compounds-low level									
	05/05/20 16:51		1246408	(EPA 420.4)	Phenolic Compounds-low level	ND (NE)	ug/L	1.0	1

Rounding on totals after summation.
(C) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.



Eaton Analytical

Laboratory QC

Tel: (626) 386-1100
Fax: (626) 968-3757
1 800 566 LABS (1 800 566 5227)

Report: 868221
Project: SUBCONTRACT
Group: Low Level Phenolics

BC Laboratories, Inc.

Table with 10 columns: QC Type, Analyte, Native, Spiked, Recovered, Units, Yield(%), Limits (%), RPD Limit(%), RPD%. Contains data for Phenolic Compounds-low level by EPA 420.4, Analytical Batch: 1246408, Analysis Date: 05/05/2020.

Spikes recovery is already corrected for native results. Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.



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

May 20, 2020

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

RE: Project: 2011553
Pace Project No.: 30360689

Dear Ms. Herndon:

Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:
• Pace Analytical Services - Greensburg

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

Sincerely,

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: 2011553
Pace Project No.: 30360699

Pace Analytical Services Pennsylvania
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
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10356
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: 2011553
Pace Project No.: 30360699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30360689001	2011553-01	Drinking Water	04/20/20 10:04	04/26/20 09:40

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: 2011553
Pace Project No.: 30360689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30360689001	2011553-01	EPA 904.0	VAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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: 2011553
Pace Project No.: 30360699

Method: EPA 904.0
Description: 904.0 Radium 228
Client: BC Laboratories
Date: May 20, 2020

General Information:

1 sample was analyzed for EPA 904.0 by Pace Analytical Services Greensburg. 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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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2011553
Pace Project No.: 30360699

Sample: 2011553-01 Lab ID: 30360689001 Collected: 04/20/20 10:04 Received: 04/28/20 09:40 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
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	0.0617 ± 0.394 (0.900) C:78% T:74%	pCi/L	05/20/20 10:57	15262-20-1	

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 2011553
Pace Project No.: 30360689

QC Batch: 394316
QC Batch Method: EPA 904.0

Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30360689001

METHOD BLANK: 1909721 Matrix: Water

Associated Lab Samples: 30360689001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	-0.652 ± 0.277 (0.799) C:78% T:68%	pCi/L	05/20/20 10:59	

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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without the written consent of Pace Analytical Services, LLC.



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

QUALIFIERS

Project: 2011553
Pace Project No.: 30360699

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
- 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: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.
- Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.
- (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: 05/20/2020 02:53 PM

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

Page 8 of 10

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

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SUBCONTRACT ORDER
BC Laboratories
2011553

WO# : 30360689



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: 2011553-01	Water	Sampled:04/20/20 10:04		001
om904.0w Radium228	05/04/20 17:00	10/18/20 10:04		
PACEA				
Containers Supplied:				

Released By Date 4-24-20 Received By Date 4/28/2020 940

Released By _____ Date _____ Received By _____ Date _____

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Pittsburgh Lab Sample Condition Upon Receipt

Client Name: BCLabs Project # 30360689

Courier: Fed Ex LPS USPS Client Commercial Pace Other
Tracking #: 729053760242910084
Custody Seal on Cooler/Box Present: yes no
Thermometer Used 10 Type of Ice: Wet Blue None
Cooler Temperature Observed Temp 15.3 °C Correction Factor: -0.3 °C Final Temp 15.0 °C

Table with 18 rows and 4 columns (Yes, No, N/A, Comments). Rows include Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Sample Labels match COC, Samples Arrived within Hold Time, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Orthophosphate field filtered, Hex Cr Aqueous sample field filtered, Organic Samples checked for dechlorination, Filtered volume received for Dissolved tests, All containers meet method preservation requirements, Headspace in VOA Vials, Trip Blank Present, Trip Blank Custody Seals Present, Rad Samples Screened < 0.5 mrem/yr.

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.



Certificate of Analysis

FINAL REPORT

Work Orders: 0D27018

Report Date: 5/05/2020

Project: 2011553

Received Date: 4/25/2020

Turnaround Time: Normal

Phones: (661) 852-4215

Fax: (661) 327-1918

P.O. #:

Attn: Christina Herndon

Billing Code:

Client: BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 •
NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

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.

Dear Christina Herndon,

Enclosed are the results of analyses for samples received 4/25/20 with the Chain-of-Custody document. The samples were received in good condition, at 3.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina M. Giancola
Project Manager





BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Project Number: 2011553

Project Manager: Christina Herndon

Certificate of Analysis

FINAL REPORT

Reported:
05/05/2020 12:54

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
2011553-01	Client	0D27018-01	Water	04/20/20 10:04	

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BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Project Number: 2011553
Project Manager: Christina Herndon

Certificate of Analysis

FINAL REPORT

Reported:
05/05/2020 12:54

Sample Results

Sample: 2011553-01
0D27018-01 (Water) Sampled: 04/20/20 10:04 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Radiological Parameters by APHA/EPA Methods

Method: EPA 900.0	Batch ID: W0D1621	Instr: RAD02	Prepared: 04/30/20 09:23	Analyst: mem
Gross Alpha		0.39	pCi/L	1 05/02/20
Uncertainty: 0.286	MDA: 0.462			
Gross Beta		1.1	pCi/L	1 05/02/20
Uncertainty: 0.5	MDA: 0.798			

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WECK LABORATORIES, INC.

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Project Number: 2011553

Project Manager: Christina Herndon

Certificate of Analysis

FINAL REPORT

Reported:
05/05/2020 12:54

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: W0D1621 - EPA 900.0										
Blank (W0D1621-BLK1) Prepared: 04/30/20 Analyzed: 05/02/20										
Gross Alpha	0.15		pCi/L							
Uncertainty: 0.266	MDA: 0.459									
Gross Beta	0.38		pCi/L							
Uncertainty: 0.393	MDA: 0.648									
LCS (W0D1621-BS1) Prepared: 04/30/20 Analyzed: 05/02/20										
Gross Alpha	10		pCi/L	12.0		85	64-139			
Uncertainty: 0.69	MDA: 0.433									
Gross Beta	14		pCi/L	16.0		86	77-138			
Uncertainty: 0.744	MDA: 0.586									
LCS Dup (W0D1621-BSD1) Prepared: 04/30/20 Analyzed: 05/04/20										
Gross Alpha	12		pCi/L	12.0		99	64-139	15	30	
Uncertainty: 0.755	MDA: 0.562									
Gross Beta	13		pCi/L	16.0		79	77-138	8	30	
Uncertainty: 0.845	MDA: 0.903									

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WECK LABORATORIES, INC.

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Project Number: 2011553

Project Manager: Christina Herndon

Certificate of Analysis

FINAL REPORT

Reported:
05/05/2020 12:54

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MDA	Minimum Detectable Activity
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)
RPD	Relative Percent Difference

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

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 MIS002.

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Four Season Beverages
4140 Garner Road
Riverside, CA 92501

Reported: 05/20/2020 16:26
Project: Bottled Water Testing Title 21
Project Number: [none]
Project Manager: Alex Kottlarenko

Notes And Definitions

- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A20 Surrogate is low due to matrix interference. Interference verified through second extraction/analysis.
- L01 The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
- Q03 Matrix spike recovery(s) was(were) not within the control limits.
- S05 The sample holding time was exceeded.
- S09 The surrogate recovery for this compound was not within the control limits.
- V11 The Continuing Calibration Verification (CCV) recovery was not within established control limits.