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Executive Summary - MCL Exceedances

Constituent	Result	PQL	MCL	Units	Method	Lab Quals

No exceedances found

Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/03/2016 9:26
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1612840-01	**COC Number:**	---	**Receive Date:**	05/06/2016 08:30
	Project Number:	---	**Sampling Date:**	05/05/2016 09:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	Adobe Springs	**Lab Matrix:**	Water
	Sampled By:	Mark Ellis	**Sample Type:**	Drinking Water

Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/03/2016 9:26
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

BCL Sample ID: 1612840-01 | **Client Sample Name:** Adobe Springs, 5/5/2016 9:00:00AM, Mark Ellis

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Inorganics									
Chloride	EPA-300.0	4.9	mg/L	1	0.50	250	05/06/16	05/08/16 18:09	
Fluoride	EPA-300.0	ND	mg/L	1	0.050	2.0	05/10/16	05/10/16 09:49	
Nitrate as N	EPA-300.0	0.76	mg/L	2	0.20	10	05/06/16	05/07/16 04:02	A07
Sulfate	EPA-300.0	15	mg/L	1	1.0	250	05/06/16	05/08/16 18:09	
Nitrate + Nitrite as N	Calc	0.76	mg/L	1	0.10	10	05/09/16	05/20/16 20:01	
Turbidity	EPA-180.1	0.34	NT Units	1	0.10	5	05/06/16	05/06/16 15:30	
Nitrite as N	EPA-353.2	ND	mg/L	1	0.050	1	05/06/16	05/06/16 20:09	
Metals									
Total Recoverable Aluminum	EPA-200.7	ND	mg/L	1	0.050	0.2	05/11/16	05/12/16 13:54	
Total Recoverable Antimony	EPA-200.8	ND	mg/L	1	0.0020	0.006	05/10/16	05/10/16 22:48	
Total Recoverable Arsenic	EPA-200.8	ND	mg/L	1	0.0020	0.010	05/10/16	05/10/16 22:48	
Total Recoverable Barium	EPA-200.7	0.013	mg/L	1	0.010	2	05/11/16	05/12/16 13:54	
Total Recoverable Beryllium	EPA-200.8	ND	mg/L	1	0.0010	0.004	05/10/16	05/10/16 22:48	
Total Recoverable Cadmium	EPA-200.8	ND	mg/L	1	0.0010	0.005	05/10/16	05/10/16 22:48	
Total Recoverable Chromium	EPA-200.7	ND	mg/L	1	0.010	0.1	05/11/16	05/12/16 13:54	
Total Recoverable Copper	EPA-200.7	ND	mg/L	1	0.010	1.0	05/11/16	05/12/16 13:54	
Total Recoverable Iron	EPA-200.7	ND	mg/L	1	0.050	0.3	05/11/16	05/12/16 13:54	
Total Recoverable Lead	EPA-200.8	ND	mg/L	1	0.0010	0.005	05/10/16	05/10/16 22:48	
Total Recoverable Manganese	EPA-200.7	ND	mg/L	1	0.010	0.05	05/11/16	05/12/16 13:54	
Total Recoverable Mercury	EPA-245.1	ND	ug/L	1	0.20	2	05/11/16	05/12/16 11:40	
Total Recoverable Nickel	EPA-200.7	ND	mg/L	1	0.010	0.1	05/11/16	05/12/16 13:54	
Total Recoverable Selenium	EPA-200.8	ND	mg/L	1	0.0020	0.05	05/10/16	05/10/16 22:48	
Total Recoverable Silver	EPA-200.7	ND	mg/L	1	0.010	0.1	05/11/16	05/12/16 13:54	
Total Recoverable Thallium	EPA-200.8	ND	mg/L	1	0.0010	0.002	05/10/16	05/10/16 22:48	
Total Recoverable Zinc	EPA-200.7	ND	mg/L	1	0.050	5.0	05/11/16	05/12/16 13:54	
Organics									
1,2-Dibromo-3-chloropropane	EPA-504.1	ND	ug/L	0.956	0.010	0.2	05/11/16	05/11/16 20:05	
Ethylene dibromide	EPA-504.1	ND	ug/L	0.956	0.010	0.05	05/11/16	05/11/16 20:05	
Aldrin	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
alpha-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
beta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
delta-BHC	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
gamma-BHC (Lindane)	EPA-508	ND	ug/L	1	0.0050	0.2	05/11/16	05/12/16 18:17	

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Reported: 06/03/2016 9:26
Project: Title 21 Source
Project Number: [none]
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BCL Sample ID: 1612840-01 | **Client Sample Name:** Adobe Springs, 5/5/2016 9:00:00AM, Mark Ellis

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Chlordane (Technical)	EPA-508	ND	ug/L	1	0.10	2	05/11/16	05/12/16 18:17	
4,4'-DDD	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
4,4'-DDE	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
4,4'-DDT	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
Dieldrin	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
Endosulfan I	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
Endosulfan II	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
Endosulfan sulfate	EPA-508	ND	ug/L	1	0.0050	n/a	05/11/16	05/12/16 18:17	
Endrin	EPA-508	ND	ug/L	1	0.0050	2	05/11/16	05/12/16 18:17	
Endrin aldehyde	EPA-508	ND	ug/L	1	0.010	n/a	05/11/16	05/12/16 18:17	
Heptachlor	EPA-508	ND	ug/L	1	0.0050	0.4	05/11/16	05/12/16 18:17	
Heptachlor epoxide	EPA-508	ND	ug/L	1	0.0050	0.2	05/11/16	05/12/16 18:17	
Methoxychlor	EPA-508	ND	ug/L	1	0.0050	40	05/11/16	05/12/16 18:17	
Toxaphene	EPA-508	ND	ug/L	1	1.0	3	05/11/16	05/12/16 18:17	
PCB-1016	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
PCB-1221	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
PCB-1232	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
PCB-1242	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
PCB-1248	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
PCB-1254	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
PCB-1260	EPA-508	ND	ug/L	1	0.20	n/a	05/11/16	05/12/16 18:17	
Total PCB's (Summation)	EPA-508	ND	ug/L	1	0.20	0.5	05/11/16	05/12/16 18:17	
TCMX (Surrogate)	EPA-508	71.5	%	1	60 - 130 (LCL - UCL)		05/11/16	05/12/16 18:17	
Bentazon	EPA-515.1	ND	ug/L	1	0.80	n/a	05/12/16	05/13/16 10:56	
2,4-D	EPA-515.1	ND	ug/L	1	0.40	70	05/12/16	05/13/16 10:56	
Dalapon	EPA-515.1	ND	ug/L	1	5.0	200	05/12/16	05/13/16 10:56	
Dinoseb	EPA-515.1	ND	ug/L	1	0.20	7	05/12/16	05/13/16 10:56	
2,4,5-TP (Silvex)	EPA-515.1	ND	ug/L	1	0.070	50	05/12/16	05/13/16 10:56	
2,4-Dichlorophenylacetic acid (Surrogate)	EPA-515.1	97.2	%	1	40 - 120 (LCL - UCL)		05/12/16	05/13/16 10:56	
Benzene	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
Bromobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Bromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Bromodichloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Bromoform	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Bromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	

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BCL Sample ID: 1612840-01 | **Client Sample Name:** Adobe Springs, 5/5/2016 9:00:00AM, Mark Ellis

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
n-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
sec-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
tert-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Carbon tetrachloride	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
Chlorobenzene	EPA-524.2	ND	ug/L	1	0.50	100	05/10/16	05/10/16 12:44	
Chloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Chloroform	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Chloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
2-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
4-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Dibromochloromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2-Dibromo-3-chloropropane	EPA-524.2	ND	ug/L	1	1.0	0.2	05/10/16	05/10/16 12:44	
1,2-Dibromoethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Dibromomethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	600	05/10/16	05/10/16 12:44	
1,3-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,4-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	75	05/10/16	05/10/16 12:44	
Dichlorodifluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,1-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
1,1-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	7	05/10/16	05/10/16 12:44	
cis-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	70	05/10/16	05/10/16 12:44	
trans-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	100	05/10/16	05/10/16 12:44	
1,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
1,3-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
2,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,1-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
cis-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
trans-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Total 1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Ethylbenzene	EPA-524.2	ND	ug/L	1	0.50	700	05/10/16	05/10/16 12:44	
Hexachlorobutadiene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Isopropylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
p-Isopropyltoluene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Methylene chloride	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	

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Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Methyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Naphthalene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
n-Propylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Styrene	EPA-524.2	ND	ug/L	1	0.50	100	05/10/16	05/10/16 12:44	
1,1,1,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,1,2,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Tetrachloroethene	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
Toluene	EPA-524.2	ND	ug/L	1	0.50	1000	05/10/16	05/10/16 12:44	
1,2,3-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2,4-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	70	05/10/16	05/10/16 12:44	
1,1,1-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	200	05/10/16	05/10/16 12:44	
1,1,2-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
Trichloroethene	EPA-524.2	ND	ug/L	1	0.50	5	05/10/16	05/10/16 12:44	
Trichlorofluoromethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2,3-Trichloropropane	EPA-524.2	ND	ug/L	1	1.0	n/a	05/10/16	05/10/16 12:44	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2,4-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,3,5-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
Vinyl chloride	EPA-524.2	ND	ug/L	1	0.50	2	05/10/16	05/10/16 12:44	
Total Xylenes	EPA-524.2	ND	ug/L	1	1.0	10000	05/10/16	05/10/16 12:44	
Total Trihalomethanes	EPA-524.2	ND	ug/L	1	2.0	10	05/10/16	05/10/16 12:44	
t-Amyl Methyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
t-Butyl alcohol	EPA-524.2	ND	ug/L	1	10	n/a	05/10/16	05/10/16 12:44	
Ethyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
p- & m-Xylenes	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
o-Xylene	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
1,2-Dichloroethane-d4 (Surrogate)	EPA-524.2	103	%	1	75 - 125 (LCL - UCL)		05/10/16	05/10/16 12:44	
Toluene-d8 (Surrogate)	EPA-524.2	98.1	%	1	80 - 120 (LCL - UCL)		05/10/16	05/10/16 12:44	
4-Bromofluorobenzene (Surrogate)	EPA-524.2	98.1	%	1	80 - 120 (LCL - UCL)		05/10/16	05/10/16 12:44	
Acenaphthylene	EPA-525.2	ND	ug/L	1	0.10	n/a	05/11/16	05/13/16 21:28	
Alachlor	EPA-525.2	ND	ug/L	1	0.20	2	05/11/16	05/13/16 21:28	
Anthracene	EPA-525.2	ND	ug/L	1	0.10	n/a	05/11/16	05/13/16 21:28	
Atraton	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Atrazine	EPA-525.2	ND	ug/L	1	0.30	3	05/11/16	05/13/16 21:28	
Benzo[a]anthracene	EPA-525.2	ND	ug/L	1	0.20	n/a	05/11/16	05/13/16 21:28	

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BCL Sample ID: 1612840-01 | **Client Sample Name:** Adobe Springs, 5/5/2016 9:00:00AM, Mark Ellis

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Benzo[b]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	05/11/16	05/13/16 21:28	
Benzo[k]fluoranthene	EPA-525.2	ND	ug/L	1	0.30	n/a	05/11/16	05/13/16 21:28	
Benzo[a]pyrene	EPA-525.2	ND	ug/L	1	0.10	0.2	05/11/16	05/13/16 21:28	
Benzo[g,h,i]perylene	EPA-525.2	ND	ug/L	1	0.30	n/a	05/11/16	05/13/16 21:28	
Benzyl butyl phthalate	EPA-525.2	ND	ug/L	1	4.0	n/a	05/11/16	05/13/16 21:28	
delta-BHC	EPA-525.2	ND	ug/L	1	0.20	n/a	05/11/16	05/13/16 21:28	
gamma-BHC (Lindane)	EPA-525.2	ND	ug/L	1	0.20	0.2	05/11/16	05/13/16 21:28	
Bromacil	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Chrysene	EPA-525.2	ND	ug/L	1	0.30	n/a	05/11/16	05/13/16 21:28	
Diazinon	EPA-525.2	ND	ug/L	1	0.20	n/a	05/11/16	05/13/16 21:28	
Dibenzo[a,h]anthracene	EPA-525.2	ND	ug/L	1	0.30	n/a	05/11/16	05/13/16 21:28	
Di(2-ethylhexyl)adipate	EPA-525.2	ND	ug/L	1	1.0	400	05/11/16	05/13/16 21:28	
Dimethoate	EPA-525.2	ND	ug/L	1	2.0	n/a	05/11/16	05/13/16 21:28	
Dimethyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	05/11/16	05/13/16 21:28	
Di-n-butyl phthalate	EPA-525.2	ND	ug/L	1	1.0	n/a	05/11/16	05/13/16 21:28	
Fluorene	EPA-525.2	ND	ug/L	1	0.20	n/a	05/11/16	05/13/16 21:28	
Hexachlorobenzene	EPA-525.2	ND	ug/L	1	0.20	1	05/11/16	05/13/16 21:28	
Hexachlorocyclopentadiene	EPA-525.2	ND	ug/L	1	1.0	50	05/11/16	05/13/16 21:28	
Indeno[1,2,3-cd]pyrene	EPA-525.2	ND	ug/L	1	0.30	n/a	05/11/16	05/13/16 21:28	
Methoxychlor	EPA-525.2	ND	ug/L	1	0.30	40	05/11/16	05/13/16 21:28	
Metolachlor	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Metribuzin	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Molinate	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Phenanthrene	EPA-525.2	ND	ug/L	1	0.10	n/a	05/11/16	05/13/16 21:28	
Prometon	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Prometryn	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Pyrene	EPA-525.2	ND	ug/L	1	0.10	n/a	05/11/16	05/13/16 21:28	
Secbumeton	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Simazine	EPA-525.2	ND	ug/L	1	0.30	4	05/11/16	05/13/16 21:28	
Terbutryn	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Thiobencarb	EPA-525.2	ND	ug/L	1	0.50	n/a	05/11/16	05/13/16 21:28	
Perylene-d12 (Surrogate)	EPA-525.2	138	%	1	60 - 140 (LCL - UCL)		05/11/16	05/13/16 21:28	
Endothal	EPA-548.1	ND	ug/L	10	20	100	05/10/16	05/11/16 10:53	
Diquat	EPA-549.2	ND	ug/L	1	4.0	20	05/09/16	05/12/16 08:46	

Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/03/2016 9:26
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

BCL Sample ID: 1612840-01 | **Client Sample Name:** Adobe Springs, 5/5/2016 9:00:00AM, Mark Ellis

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Uncategorized									
Decachlorobiphenyl (Surrogate)	EPA-508	68.7	%	1	60 - 130 (LCL - UCL)		05/11/16	05/12/16 18:17	
Pentachlorophenol	EPA-515.1	ND	ug/L	1	0.050	n/a	05/12/16	05/13/16 10:56	
Picloram	EPA-515.1	ND	ug/L	1	0.050	n/a	05/12/16	05/13/16 10:56	
Diisopropyl ether	EPA-524.2	ND	ug/L	1	0.50	n/a	05/10/16	05/10/16 12:44	
bis(2-Ethylhexyl)phthalate	EPA-525.2	ND	ug/L	1	3.0	n/a	05/11/16	05/13/16 21:28	
1,3-Dimethyl-2-nitrobenzene (Surrogate)	EPA-525.2	91.4	%	1	70 - 130 (LCL - UCL)		05/11/16	05/13/16 21:28	
Triphenylphosphate (Surrogate)	EPA-525.2	81.4	%	1	70 - 130 (LCL - UCL)		05/11/16	05/13/16 21:28	
Dibromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	05/11/16	05/12/16 14:28	
Dichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	05/11/16	05/12/16 14:28	
Monobromoacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	05/11/16	05/12/16 14:28	
Monochloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	05/11/16	05/12/16 14:28	
Trichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0	n/a	05/11/16	05/12/16 14:28	
Total HAA's (Summation)	EPA-552.3	ND	ug/L	1	1.0	n/a	05/11/16	05/12/16 14:28	
2,3-Dibromopropionic acid (Surrogate)	EPA-552.3	107	%	1	70 - 130 (LCL - UCL)		05/11/16	05/12/16 14:28	
Total Recoverable Calcium	EPA-200.7	4.0	mg/L	1	0.10	n/a	05/11/16	05/12/16 13:54	
Total Recoverable Magnesium	EPA-200.7	110	mg/L	1	0.050	n/a	05/11/16	05/12/16 13:54	
Total Recoverable Sodium	EPA-200.7	6.3	mg/L	1	0.50	n/a	05/11/16	05/12/16 13:54	
Total Recoverable Potassium	EPA-200.7	ND	mg/L	1	1.0	n/a	05/11/16	05/12/16 13:54	
Bicarbonate Alkalinity as CaCO3	SM-2320B	370	mg/L	1	4.1	n/a	05/11/16	05/11/16 16:48	
Carbonate Alkalinity as CaCO3	SM-2320B	45	mg/L	1	4.1	n/a	05/11/16	05/11/16 16:48	
Hydroxide Alkalinity as CaCO3	SM-2320B	ND	mg/L	1	4.1	n/a	05/11/16	05/11/16 16:48	
Total Alkalinity as CaCO3	SM-2320B	410	mg/L	1	4.1	n/a	05/11/16	05/11/16 16:48	
pH	SM-4500H B	8.71	pH Units	1	0.05	n/a	05/11/16	05/11/16 16:48	S05
Total Dissolved Solids @ 180 C	SM-2540C	470	mg/L	3.333	33	n/a	05/11/16	05/11/16 13:00	
Color	SM-2120B	1.0	Color Units	1	1.0	n/a	05/06/16	05/06/16 15:30	
Odor	SM-2150B	No Obs Odor	Odor Units	1	1.0	n/a	05/06/16	05/06/16 15:30	
Chloramine as Cl2	SM-4500-CLF	ND	mg/L	1	0.10	n/a	05/06/16	05/06/16 14:45	S05
Residual Chlorine	SM-4500-CLF	ND	mg/L	1	0.10	n/a	05/06/16	05/06/16 14:45	S05
Chlorine dioxide	SM-4500-ClO2-B	ND	mg/L	1	0.20	n/a	05/06/16	05/06/16 14:45	S05
Total Cyanide	EPA-335.4	ND	mg/L	1	0.0050	n/a	05/12/16	05/12/16 14:07	

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: BC Laboratories
Contact: Vanessa Sandoval
Address: 4100 Atlas Court
Bakersfield, CA 93308

Report Date: 02-Jun-2016

Analytical Report: Page 1 of 4
Project Name: BC 1612840
Project Number: BC 1612840

Work Order Number: B6E0909
Received on Ice (Y/N): Yes Temp: 8 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Submitted	By
B6E0909-01	1612840-01	Water	05/5/16 9:00	Client	05/10/16 10:30	On Trac

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA no. CA00102
LACSD No., 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: BC Laboratories
Contact: Vanessa Sandoval
Address: 4100 Atlas Court
Bakersfield, CA 93308

Report Date: 02-Jun-2016

Analytical Report: Page 2 of 4
Project Name: BC 1612840
Project Number: BC 1612840

Work Order Number: B6E0909
Received on Ice (Y/N): Yes Temp: 8 °C

Laboratory Reference Number
B6E0909-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
1612840-01	Water	05/05/16 09:00	05/10/16 10:30

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Aggregate Organic Compounds							
Phenols	ND	1.0	ug/L*	EPA 420.4	05/31/16 21:22	ara	

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

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CA ELAP No. 2698
EPA no. CA00102
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BABCOCK Laboratories, Inc.
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Client Name: BC Laboratories
Contact: Vanessa Sandoval
Address: 4100 Atlas Court
Bakersfield, CA 93308

Report Date: 02-Jun-2016

Analytical Report: Page 3 of 4
Project Name: BC 1612840
Project Number: BC 1612840

Work Order Number: B6E0909
Received on Ice (Y/N): Yes Temp: 8 °C

ND: Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Amanda Porter

cc: e-Standard.rpt

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
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www.babcocklabs.com

CA ELAP No. 2698
EPA no. CA00102
LACSD No., 10119

BABCOCK Laboratories, Inc.
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Client Name: BC Laboratories
Contact: Vanessa Sandoval
Address: 4100 Atlas Court
Bakersfield, CA 93308

Report Date: 02-Jun-2016

Analytical Report: Page 4 of 4
Project Name: BC 1612840
Project Number: BC 1612840

Work Order Number: B6E0909
Received on Ice (Y/N): Yes Temp: 8 °C

SUBCONTRACT ORDER
BC Laboratories
1612840

SENDING LABORATORY:
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Vanessa Sandoval

RECEIVING LABORATORY:
Babcock Labs
6100 Quail Valley Court
P.O. Box 432
Riverside, CA 92502
Phone: (951) 653-3351
FAX: (951) 653-3351

BABLK

Analysis	Due	Expires	Comments
Sample ID: 1612840-01 Water		**Sampled: 05/05/16 09:00**	Bottle water
SM 5530C - Phenols	05/20/16 17:00	06/02/16 09:00	(2) ~~Nitric~~ Glass Amber (yellow)
Containers supplied:	U,V		

B6E0909 MIV
MAY 10 2016

8°C

Released By: [signature] Date: 5.9.16
Received By: [signature] Date: 5/10/16 @10:30
Released By: ONTRAC Date: 5/10/16
Received By: Date:

BABLK

Page 1 of 1

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
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www.babcocklabs.com

CA ELAP No. 2698
EPA no. CA00102
LACSD No., 10119

BSK Associates Engineers & Laboratories

A6E0742

General: Project Manager-Vanessa Sandoval

Case Narrative

Project and Report Details		Invoice Details	
Client:	BC Laboratories	**Invoice To:**	BC Laboratories
Report To:	Vanessa Sandoval	**Invoice Attn:**	Vanessa Sandoval
Project #:	1612840	**Project PO#:**	-
Received:	5/09/2016 - 15:37		
Report Due:	5/23/2016		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 5.1

Containers Intact
COC/Labels Agree
Preservation Confirmed
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

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

DL1.0 Sample required a dilution due to the matrix or high concentration of a non-target analyte.
MS1.0 Matrix spike recoveries exceed control limits.

Report Distribution

Recipient(s)	Report Format	CC:
Vanessa sandoval	FINAL.RPT	

A6E0742 FINAL 05202016 1225
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QA-RP-0001-10 Final.rpt

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Engineers & Laboratories

A6E0742

General: Project Manager-Vanessa Sandoval

1612840

Certificate of Analysis

Sample ID: A6E0742-01
Sampled By: Client
Sample Description: 1612840-01

Sample Date - Time: 05/05/16 - 09:00
Matrix: Bottled Water
Sample Type: Grab

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Bromate	EPA 317.0	ND	0.0010	mg/L	1	A605891	05/17/16	05/17/16	
Chlorite	EPA 300.1	ND	0.050	mg/L	10	A605703	05/13/16	05/13/16	DL1.0
Surrogate: Dichloroacetate	EPA 300.1	100 %	*Acceptable range: 90-115 %*						

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Carbamates by HPLC									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	A605531	05/09/16	05/10/16	
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	A605531	05/09/16	05/10/16	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	A605531	05/09/16	05/10/16	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	A605531	05/09/16	05/10/16	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	A605531	05/09/16	05/10/16	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	A605531	05/09/16	05/10/16	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A605531	05/09/16	05/10/16	
Oxamyl	EPA 531.1	ND	20	ug/L	1	A605531	05/09/16	05/10/16	
Glyphosate by HPLC									
Glyphosate	EPA 547	ND	25	ug/L	1	A605669	05/11/16	05/11/16	
Surrogate: AMPA	EPA 547	127 %	*Acceptable range: 70-130 %*						

BSK Associates Engineers & Laboratories

A6E0742

General: Project Manager-Vanessa Sandoval

BSK Associates Fresno

General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 300.1 - Quality Control											
Batch: A605703										Prepared: 05/13/2016	
Prep Method: Method Specific Preparation										Analyst: RCN	
Blank (A605703-BLK1)											
Chlorite	ND	0.0050	mg/L							05/13/16	
Surrogate: Dichloroacetate	*0.502*			*0.50*		*100*	*90-115*			05/13/16	
Blank Spike (A605703-BS1)											
Chlorite	0.19	0.0050	mg/L	0.20		97	85-115			05/13/16	
Surrogate: Dichloroacetate	*0.495*			*0.50*		*99*	*90-115*			05/13/16	
Blank Spike Dup (A605703-BSD1)											
Chlorite	0.19	0.0050	mg/L	0.20		96	85-115	1	10	05/13/16	
Surrogate: Dichloroacetate	*0.500*			*0.50*		*100*	*90-115*			05/13/16	
Matrix Spike (A605703-MS1), Source: A6E0810-01											
Chlorite	1.5	0.10	mg/L	2.0	ND	73	75-125			05/13/16	MS1.0 *Low*
Surrogate: Dichloroacetate	*9.90*			*10*		*99*	*90-115*			05/13/16	
Matrix Spike Dup (A605703-MSD1), Source: A6E0810-01											
Chlorite	1.4	0.10	mg/L	2.0	ND	69	75-125	6	10	05/13/16	MS1.0 *Low*
Surrogate: Dichloroacetate	*9.87*			*10*		*99*	*90-115*			05/13/16	
EPA 317.0 - Quality Control											
Batch: A605891										Prepared: 05/17/2016	
Prep Method: Method Specific Preparation										Analyst: RCN	
Blank (A605891-BLK1)											
Bromate	ND	0.0010	mg/L							05/17/16	
Blank Spike (A605891-BS1)											
Bromate	0.0097	0.0010	mg/L	0.010		97	85-115			05/17/16	
Blank Spike Dup (A605891-BSD1)											
Bromate	0.0099	0.0010	mg/L	0.010		99	85-115	2	10	05/17/16	

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A6E0742

General: Project Manager-Vanessa Sandoval

BSK Associates Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 531.1 - Quality Control											
Batch: A605531										Prepared: 05/09/2016	
Prep Method: EPA 531.1										Analyst: ZZZ	
Blank (A605531-BLK1)											
3-Hydroxycarbofuran	ND	3.0	ug/L							05/10/16	
Aldicarb	ND	3.0	ug/L							05/10/16	
Aldicarb Sulfone	ND	2.0	ug/L							05/10/16	
Aldicarb Sulfoxide	ND	3.0	ug/L							05/10/16	
Carbaryl	ND	5.0	ug/L							05/10/16	
Carbofuran	ND	5.0	ug/L							05/10/16	
Methomyl	ND	2.0	ug/L							05/10/16	
Oxamyl	ND	20	ug/L							05/10/16	
Blank Spike (A605531-BS1)											
3-Hydroxycarbofuran	3.9	3.0	ug/L	4.0		97	80-120			05/10/16	
Aldicarb	3.9	3.0	ug/L	4.0		99	80-120			05/10/16	
Aldicarb Sulfone	3.8	2.0	ug/L	4.0		96	80-120			05/10/16	
Aldicarb Sulfoxide	3.8	3.0	ug/L	4.0		95	80-120			05/10/16	
Carbaryl	3.9	5.0	ug/L	4.0		98	80-120			05/10/16	
Carbofuran	4.0	5.0	ug/L	4.0		101	80-120			05/10/16	
Methomyl	3.6	2.0	ug/L	4.0		91	80-120			05/10/16	
Oxamyl	3.8	20	ug/L	4.0		94	80-120			05/10/16	
Blank Spike Dup (A605531-BSD1)											
3-Hydroxycarbofuran	3.9	3.0	ug/L	4.0		99	80-120	2	20	05/10/16	
Aldicarb	3.5	3.0	ug/L	4.0		88	80-120	11	20	05/10/16	
Aldicarb Sulfone	4.0	2.0	ug/L	4.0		100	80-120	4	20	05/10/16	
Aldicarb Sulfoxide	3.8	3.0	ug/L	4.0		96	80-120	1	20	05/10/16	
Carbaryl	3.8	5.0	ug/L	4.0		95	80-120	3	20	05/10/16	
Carbofuran	3.8	5.0	ug/L	4.0		96	80-120	5	20	05/10/16	
Methomyl	3.8	2.0	ug/L	4.0		94	80-120	4	20	05/10/16	
Oxamyl	4.1	20	ug/L	4.0		102	80-120	8	20	05/10/16	
Matrix Spike (A605531-MS1), Source: A6D2647-01											
3-Hydroxycarbofuran	4.4	3.0	ug/L	4.3	ND	102	65-135			05/10/16	
Aldicarb	3.9	3.0	ug/L	4.3	ND	83	65-135			05/10/16	
Aldicarb Sulfone	4.5	2.0	ug/L	4.3	ND	103	65-135			05/10/16	
Aldicarb Sulfoxide	4.3	3.0	ug/L	4.3	ND	100	65-135			05/10/16	
Carbaryl	4.3	5.0	ug/L	4.3	ND	100	65-135			05/10/16	
Carbofuran	4.1	5.0	ug/L	4.3	ND	95	65-135			05/10/16	
Methomyl	4.2	2.0	ug/L	4.3	ND	92	65-135			05/10/16	
Oxamyl	4.5	20	ug/L	4.3	ND	102	65-135			05/10/16	
EPA 547 - Quality Control											
Batch: A605669										Prepared: 05/11/2016	
Prep Method: EPA 547										Analyst: ZZZ	
Blank (A605669-BLK1)											
Glyphosate	ND	25	ug/L							05/11/16	

BSK Associates Engineers & Laboratories

A6E0742

General: Project Manager-Vanessa Sandoval

BSK Associates Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 547 - Quality Control											
Batch: A605669										Prepared: 05/11/2016	
Prep Method: EPA 547										Analyst: ZZZ	
Blank (A605669-BLK1)											
Surrogate: AMPA	*120*			*100*		*119*	*70-130*			05/11/16	
Blank Spike (A605669-BS1)											
Glyphosate	110	25	ug/L	100		110	70-130			05/11/16	
Surrogate: AMPA	*120*			*100*		*122*	*70-130*			05/11/16	
Blank Spike Dup (A605669-BSD1)											
Glyphosate	110	25	ug/L	100		108	70-130	1	30	05/11/16	
Surrogate: AMPA	*120*			*100*		*122*	*70-130*			05/11/16	
Matrix Spike (A605669-MS1), Source: A6E0920-01											
Glyphosate	120	25	ug/L	100	ND	116	70-130			05/11/16	
Surrogate: AMPA	*240*			*200*		*118*	*70-130*			05/11/16	

BSK Associates Engineers & Laboratories

A6E0742

General: Project Manager-Vanessa Sandoval

Certificate of Analysis

Notes:

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

Definitions

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

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

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

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

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAC	4021
EPA - UCMR3	CA00079	State of Washington	C997-16

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - NELAC	WA100008-008	State of Washington	C824-15

A6E0742

05092016

BCLab4911

Turnaround: Standard
Due Date: 5/23/2016

BC Laboratories

Printed: 5/9/2016 6:18:07PM

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5.1

SUBCONTRACT ORDER
BC Laboratories
1612840

A6E0742 05/09/2016
BCLab4911 10

BSKSA

SENDING LABORATORY:
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Vanessa Sandoval

RECEIVING LABORATORY:
BSK Analytical Labs
550 West Locust Ave
Fresno, CA 93650
Phone: (800) 877-8310
FAX: (559) 485-6935

Analysis	Due	Expires	Comments
Sample ID: 1612840-01 **Water**	**Sampled: 05/05/16 09:00**		Bottle Water
EPA 531.1 - Carbamate & Urea Pesticides	05/20/16 17:00	06/02/16 09:00	VOA
EPA 547 - Glyphosate	05/20/16 17:00	05/19/16 09:00	VOA
EPA 300.0 - Bromate	05/20/16 17:00	06/02/16 09:00	Pint PE
EPA 300.1 - Chlorite	05/20/16 17:00	05/19/16 09:00	8oz Glass Amber

Containers supplied: G, H, L, AE

Released By	Date	Received By	Date
	5.9.16		
		John Hew	5/9/16 15:37

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A6E0742 05/09/2016
BCLab4911 10

BSK Associates SR-FL-0002-15

Sample Integrity

BSK Bottles: Yes No* Page 1 of 1

COC Info					
Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No NA	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Was a sufficient amount of sample received?	Yes No
Did all bottle labels agree with COC?	Yes No	Do samples have a hold time <72 hours?	Yes No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM notified of discrepancies? PM: By/Time:	Yes No NA

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

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?						
Bacti $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—	1C*					
Cr6 (P) Br. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **DW**	Cl, pH > 8	Y N						
Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **WW**	pH 9.3-9.7	Y N						
Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ **7199** ***24 HOUR HOLD TIME***	pH 9.0-9.5	Y N						
HNO_3 (P) Red Cap	—	—						
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	Y N						
NaOH (P) Green Cap	Cl, pH >10	Y N						
NaOH + ZnAc (P)	pH > 9	Y N				JH		
Dissolved Oxygen 300ml (g)	—	—				5/9/16		
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—						
HCl (AG) Lt. Blue Label O&G, Diesel	—	—						
Na_2O_3S+HCl (AG) Lt. Pink Label 525	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—						
$Na_2S_2O_3$ (AG) Blue Label 547,515,548,THM,524	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—	1V					
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	Y N	1V					
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—	1A*					
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar: 250 / 500 / 1 Liter	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P	250 ml (pc)	EDA	5/9/16 15:36 JH	S P			
S P				S P			

Comments

Labeled by: JH @ 17:30 Labels checked by: JW @ 17:35 RUSH Paged by: Page 10 of 10

FRONTIER ANALYTICAL LABORATORY

NELAP ACCREDITED TNI LABORATORY

May 31, 2016

FAL Project: 9840

Ms. Vanessa Sandoval
BC Laboratories
4100 Atlas Court
Bakersfield. CA 93308

Dear Ms. Sandoval,

Attached are the results for Frontier Analytical Laboratory project **9840.** This corresponds to your subcontract order number **1612840.** One drinking water sample was received on 5/10/2016 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 **9840.**

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our project-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 attached results are specifically for the sample referenced in this report only. These results meet all National Environmental Laboratory Accreditation Program (NELAP) requirements and shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041** and our State of California ELAP certificate number is **2934**. This report has been emailed to you as a portable document format (PDF) file. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **9840** please contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Thomas C. Crabtree

Thomas C. Crabtree
Director

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

000001 of 000008

FRONTIER ANALYTICAL LABORATORY

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **9840**

Received on: **05/10/2016** Project Due: **06/01/2016** Storage: **R2**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
9840-001-SA	1	1612840	1612840-01	EPA 1613 TCDD	Drinking Water	05/05/2016	09:00 am	05/05/2017

000002 of 000008

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EPA Method 1613
TCDD

FRONTIER ANALYTICAL LABORATORY

FAL ID: 9840-001-MB
Client ID: Method Blank
Matrix: Drinking Water
Batch No: X3685

Date Extracted: 05-16-2016
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-4-8-16
GC Column: DB5
Units: pg/L

Acquired: 05-17-2016
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.473		0.132

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	97.9	31.0 - 137	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	103	42.0 - 164	

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

Analyst: _____
Date: 5/18/2016

Reviewed By: _____
Date: 5/18/2016

000003 of 000008

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EPA Method 1613
TCDD

FRONTIER ANALYTICAL LABORATORY

FAL ID: 9840-001-OPR
Client ID: OPR
Matrix: Drinking Water
Batch No: X3685

Date Extracted: 05-16-2016
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-4-8-16
GC Column: DB5
Units: ng/ml

Acquired: 05-17-2016
WHO TEQ: NA

Compound	Conc	QC Limits
2,3,7,8-TCDD	9.35	7.30 - 14.6

Internal Standards	% Rec	QC Limits
13C-2,3,7,8-TCDD	86.4	25.0 - 141

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	98.3	37.0 - 158

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

Analyst: _____
Date: 5/18/2016

Reviewed By: DPV
Date: 5/18/2016

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EPA Method 1613
TCDD

FRONTIER ANALYTICAL LABORATORY

FAL ID: 9840-001-SA
Client ID: 1612840-01
Matrix: Drinking Water
Batch No: X3685

Date Extracted: 05-16-2016
Date Received: 05-10-2016
Amount: 0.952 L

ICal: PCDDFAL3-4-8-16
GC Column: DB5
Units: pg/L

Acquired: 05-17-2016
WHO TEQ: NA

Compound	Conc	DL	Qual	MDL
2,3,7,8-TCDD	ND	0.445		0.132

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	91.0	31.0 - 137	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	97.9	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: TC
Date: 5/18/2016

Reviewed By: DPV
Date: 5/18/2016

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SUBCONTRACT ORDER
BC Laboratories
1612840

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

9840
0°C

FRNTL

Analysis	Due	Expires	Comments
Sample ID: 1612840-01 **Water**	**Sampled: 05/05/16 09:00**		Bottle water
EPA 1613B - 2,3,7,8-TCDD	05/20/16 17:00	05/04/17 09:00	(4)32oz. Glass Amber
Containers supplied:	AC, AD		

Released By	Date	Received By	Date
AD	5.9.16	Kathy Epp	5-10-16 1030
Released By	Date	Received By	Date

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FRNTL

Page 1 of 1

FRONTIER ANALYTICAL LABORATORY

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **9840**

Client:	BC Laboratories, Inc
Client Project ID:	1612840
Date Received:	05/10/2016
Time Received:	10:30 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	1
Duplicates:	1
Storage Location:	R2

Method of Delivery:	California Overnight
Tracking Number:	C11235900190551
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	Yes
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	Yes
pH Range of Aqueous Sample	Between 4 and 9
Anomalies or additional comments:	

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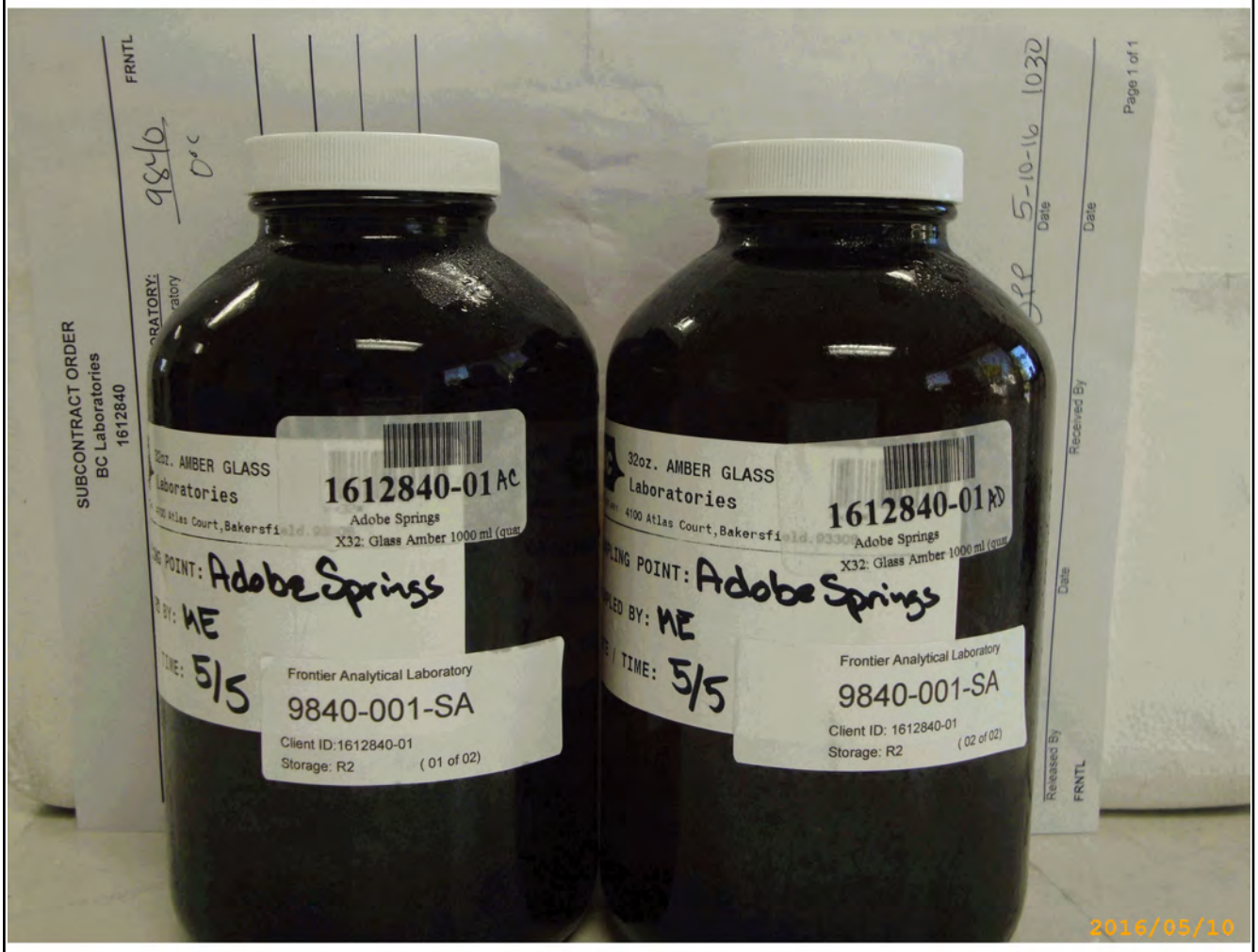
FRONTIER ANALYTICAL LABORATORY



000008 of 000008

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

Pace Analytical
www.pacelabs.com

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

CERTIFICATIONS

Project: 1612840
Pace Project No.: 30183146

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
L-A-B DOD-ELAP Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification #: PA014572015-1
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188-14-8
Utah/TNI Certification #: PA014572015-5
USDA Soil Permit #: P330-14-00213
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Certification
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1612840
Pace Project No.: 30183146

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30183146001	1612840-01	Drinking Water	05/05/16 09:00	05/13/16 10:00

REPORT OF LABORATORY ANALYSIS

Page 3 of 10

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 1612840
Pace Project No.: 30183146

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30183146001	1612840-01	EPA 904.0	JLW	1

REPORT OF LABORATORY ANALYSIS

Page 4 of 10

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Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: 1612840
Pace Project No.: 30183146

Method: **EPA 904.0**
Description: 904.0 Radium 228
Client: BC Laboratories
Date: June 02, 2016

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1612840
Pace Project No.: 30183146

Sample: 1612840-01 **Lab ID: 30183146001** Collected: 05/05/16 09:00 Received: 05/13/16 10:00 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments: • Sample Acceptance Policy Waiver on file from the client.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 904.0	**0.323 ± 0.297 (0.606) C:83% T:88%**	pCi/L	06/01/16 23:52	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1612840
Pace Project No.: 30183146

QC Batch: RADC/29553 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30183146001

METHOD BLANK: 1079575 Matrix: Water
Associated Lab Samples: 30183146001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.175 ± 0.379 (0.839) C:76% T:77%	pCi/L	06/01/16 12:02	

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

QUALIFIERS

Project: 1612840
Pace Project No.: 30183146

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.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

Date: 06/02/2016 11:39 AM

SUBCONTRACT ORDE WO#:30183146
BC Laboratories
1612840

30183146

SENDING LABORATORY:
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911
FAX: 661-327-1918
Project Manager: Vanessa Sandoval

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

Analysis		Due	Expires	Comments
Sample ID: 1612840-01	**Water**	**Sampled: 05/05/16 09:00**		Bottle Water OCSI
EPA 904.0 Radium 228		05/20/16 17:00	11/02/16 09:00	1- Liter PE
Containers supplied:	P			1

Released By	Date	Received By	Date
	5.9.16	Pace	5/13/16 1000
Released By	Date	Received By	Date

Page 9 of 10

PACEA Page 1 of 1

Sample Condition Upon Receipt Pittsburgh

Pace Analytical

Client Name: BC Labs Project # 30183146

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

Tracking #: 1Z 965 376 03 6220 4838 | 1Z 965 376 03 6100 9015

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

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

Cooler Temperature **Observed Temp** N/A °C Correction Factor: N/A °C Final Temp: N/A °C

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RTB 5/13/16

Comments:	Yes	No	N/A	
Chain of Custody Present:	X			1.
Chain of Custody Filled Out:	X			2.
Chain of Custody Relinquished:	X			3.
Sampler Name & Signature on COC:		X		4.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT		X		5. No date & time on bottle.
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used:		X		
Containers Intact:	X			11.
Filtered volume received for Dissolved tests			X	12.
All containers needing preservation have been checked.	X			13. Added 3.0 mL HNO_3 to bottle.
All containers needing preservation are found to be in compliance with EPA recommendation.		X		
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed 5/13/16 RTB; Date/time of preservation 5/13/16 1045; Lot # of added preservative DL16-0406
Headspace in VOA Vials (>6mm):			X	14.
Trip Blank Present:			X	15.
Trip Blank Custody Seals Present			X	

Client Notification/ Resolution:

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

Comments/ Resolution: _____

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)

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J:\QAQC\Master\Document Management\Sample Mgt\Sample Condition Upon Receipt Pittsburgh (C056-1 18April2016)

WECK LABORATORIES, INC.

Certificate of Analysis

Report Date: 05/16/16 11:28
Received Date: 05/10/16 09:50
Turnaround Time: Normal

Project: 1612840

Phones: (661) 327-4911
Fax: (661) 327-1918

P.O. #:

Attn: Vanessa Sandoval

Client: BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Dear Vanessa Sandoval :

Enclosed are the results of analyses for samples received 5/10/2016 with the Chain of Custody document. The samples were received in good condition, at 5.0 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 6E10017-01 **Sample ID:** 1612840-01 **Matrix:** Water
Sampled by: Client **Sampled:** 05/05/16 09:00

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Gross Beta	-1.3			pCi/L	1	EPA 900.0	5/12/16	5/14/16 7:50	W6E0661	
Counting Error (+/-): 1.08	MDA: 1.754									
Gross Alpha	0.453			pCi/L	1	SM 7110C	5/12/16	5/13/16 8:23	W6E0662	
Counting Error (+/-): 0.128	MDA: 0.04									

6E10017

Weck Laboratories, Inc. 14859 East Clark Avenue, City of Industry, California 91745-1340 (626) 336-2139 FAX (626) 336-2634
www.weckinc.com

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Quality Control Section

Radiological Parameters by APHA/EPA Methods - Quality Control

Batch W6E0661 - EPA 900.0

Blank (W6E0661-BLK1) — Prepared: 05/12/16 Analyzed: 05/13/16 16:52

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Beta		-0.022		pCi/L					
Counting Error (+/-): 0.464	MDA: 0.791								

LCS (W6E0661-BS1) — Prepared: 05/12/16 Analyzed: 05/13/16 15:30

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Beta		15		pCi/L	15.4	94	77-138		
Counting Error (+/-): 0.89	MDA: 1.002								

LCS Dup (W6E0661-BSD1) — Prepared: 05/12/16 Analyzed: 05/13/16 15:30

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Beta		14		pCi/L	15.4	92	77-138	3	30
Counting Error (+/-): 0.924	MDA: 1.062								

Batch W6E0662 - SM 7110C

Blank (W6E0662-BLK1) — Prepared: 05/12/16 Analyzed: 05/13/16 08:24

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Alpha		-0.544		pCi/L					
Counting Error (+/-): 0.092	MDA: 0.04								

LCS (W6E0662-BS1) — Prepared: 05/12/16 Analyzed: 05/13/16 14:19

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Alpha		4.53		pCi/L	4.79	95	55-149		
Counting Error (+/-): 0.275	MDA: 0.04								

LCS Dup (W6E0662-BSD1) — Prepared: 05/12/16 Analyzed: 05/13/16 14:59

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Alpha		4.23		pCi/L	4.79	88	55-149	7	30
Counting Error (+/-): 0.264	MDA: 0.04								

6E10017

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Analytical Laboratory Services Since 1964

Certificate of Analysis

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing 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.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature
Contact: Kim G. Tu
(Project Manager)

ELAP # 1132
LACSD # 10143
NELAC #4047-002 ORELAP

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then not detected at or above the MDL.
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

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Weck Laboratories, Inc. 14859 East Clark Avenue City of Industry, California 91745-1299 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/03/2016 9:26
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A07	Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
S05	The sample holding time was exceeded.

BW-MCL = MCLs for Title 21 Bottled Water