



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

A8J2407

11/07/2018

Invoice: A833332

David Brines
Mountain Fresh Spring Water
520 Merchantile #A
Cotati, CA 95405

RE: Report for A8J2407 Bottled Water

Dear David Brines,

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 10/16/2018. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

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

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

If additional clarification of any information is required, please contact your Project Manager, Heather S. White, at 559-497-2888.

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

Sincerely,

Heather S. White, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021-009

Case Narrative

Project and Report Details	Invoice Details
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Client: Mountain Fresh Spring Water
Report To: David Brines
Project #: Lic#75332
Received: 10/16/2018 - 15:00
Report Due: 11/07/2018

Invoice To: Mountain Fresh Spring Water
Invoice Attn: David Brines
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 157.0

Custody Seals
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Packing Material - Other
 Sample(s) were received in temperature range.
 Sample(s) split after receipt at the laboratory.
 Sample(s) preserved after receipt at lab.
 Initial receipt at BSK-FAL

Data Qualifiers

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

BS	Blank spike recoveries did not meet acceptance limits.
BS1.0	Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
BS3.0	BS/BSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
CV0.0	CCV recovery was above method acceptance limits; no material impact on reported result as sample is ND for this parameter.
DP1.2	Sample Duplicate RPD method acceptance criteria is not applicable for values at or below 2x MRL level.
MS1.0	Matrix spike recoveries exceed control limits.
MS2.0	MS/MSD RPD exceeds control limit. No material impact as both sets of recovery data meet control criteria.

Report Distribution

Recipient(s)	Report Format	CC:
David Brines	FINAL.RPT	

Certificate of Analysis

Sample ID: A8J2407-01
Sampled By: Client
Sample Description: Mountain Spring Water

Sample Date - Time: 10/17/18 - 15:00
Matrix: Water
Sample Type: Grab

BSK Associates Laboratory Fresno General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Alkalinity as CaCO ₃	SM 2320B	37	3.0	mg/L	1	A815676	10/17/18	10/17/18	
Bicarbonate as CaCO ₃	SM 2320B	37	3.0	mg/L	1	A815676	10/17/18	10/17/18	
Carbonate as CaCO ₃	SM 2320B	ND	3.0	mg/L	1	A815676	10/17/18	10/17/18	
Hydroxide as CaCO ₃	SM 2320B	ND	3.0	mg/L	1	A815676	10/17/18	10/17/18	
Bromate	EPA 317.0	0.0054	0.0010	mg/L	1	A815973	10/23/18	10/23/18	
Dichloramine	SM 4500-Cl F	ND	0.10	mg/L	1	A815734	10/18/18 14:29	10/18/18	
Monochloramine	SM 4500-Cl F	ND	0.10	mg/L	1	A815734	10/18/18 14:29	10/18/18	
Chloride	EPA 300.0	ND	1.0	mg/L	1	A815711	10/18/18	10/18/18	
Chlorine, Free	SM 4500-Cl F	ND	0.10	mg/L	1	A815734	10/18/18 14:29	10/18/18	
Chlorine, Total	SM 4500-Cl F	ND	0.10	mg/L	1	A815734	10/18/18 14:29	10/18/18	
Chlorite	EPA 300.1	ND	0.0050	mg/L	1	A815875	10/22/18	10/22/18	
Surrogate: Dichloroacetate	EPA 300.1	103 %	Acceptable range: 90-115 %						
Color, Apparent	SM 2120B	ND	5.0	CU	1	A815733	10/18/18 15:05	10/18/18	
Cyanide (total)	SM 4500-CN E	ND	0.0050	mg/L	1	A815891	10/22/18	10/26/18	
Conductivity @ 25C	SM 2510B	75	1.0	umhos/cm	1	A815676	10/17/18	10/17/18	
Fluoride	EPA 300.0	ND	0.10	mg/L	1	A815711	10/18/18	10/18/18	
Langelier Index	SM 2330B	-1.5				A816370	10/30/18	10/30/18	
MBAS, Calculated as LAS, mol wt 340	SM 5540C	ND	0.050	mg/L	1	A815737	10/18/18 17:15	10/18/18	
Nitrate + Nitrite as N	EPA 300.0	ND	0.23	mg/L	1	A815711	10/18/18 16:32	10/18/18	
Nitrate as N	EPA 300.0	ND	0.23	mg/L	1	A815711	10/18/18 16:32	10/18/18	
Nitrite as N	EPA 300.0	ND	0.050	mg/L	1	A815711	10/18/18 16:32	10/18/18	
Threshold Odor	SM 2150B	ND	1.0	T.O.N.	1	A815487	10/18/18 09:56	10/18/18	
pH (1)	SM 4500-H+ B	7.6		pH Units	1	A815676	10/17/18	10/17/18	
pH Temperature in °C		22.3							
Sulfate as SO ₄	EPA 300.0	ND	1.0	mg/L	1	A815711	10/18/18	10/18/18	
Total Dissolved Solids	SM 2540C	54	1.0	mg/L	1	A816079	10/24/18	10/26/18	
Turbidity	SM 2130B	0.59	0.10	NTU	1	A815733	10/18/18 15:26	10/18/18	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aluminum	EPA 200.7	ND	0.050	mg/L	1	A815777	10/19/18	10/23/18	
Antimony	EPA 200.8	ND	2.0	ug/L	1	A815777	10/19/18	10/26/18	
Arsenic	EPA 200.8	ND	2.0	ug/L	1	A815777	10/19/18	10/26/18	
Barium	EPA 200.7	ND	0.050	mg/L	1	A815777	10/19/18	10/23/18	
Beryllium	EPA 200.8	ND	1.0	ug/L	1	A815777	10/19/18	10/26/18	
Cadmium	EPA 200.8	ND	1.0	ug/L	1	A815777	10/19/18	10/26/18	
Calcium	EPA 200.7	5.9	0.10	mg/L	1	A815777	10/19/18	10/23/18	
Chromium	EPA 200.8	ND	10	ug/L	1	A815777	10/19/18	10/26/18	
Copper	EPA 200.8	ND	5.0	ug/L	1	A815777	10/19/18	10/26/18	
Iron	EPA 200.7	ND	0.030	mg/L	1	A815777	10/19/18	10/23/18	
Lead	EPA 200.8	ND	1.0	ug/L	1	A815777	10/19/18	10/26/18	
Magnesium	EPA 200.7	2.5	0.10	mg/L	1	A815777	10/19/18	10/23/18	

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A8J2407 FINAL 11072018 1444

Certificate of Analysis

Sample ID: A8J2407-01

Sampled By: Client

Sample Description: Mountain Spring Water

Sample Date - Time: 10/17/18 - 15:00

Matrix: Water

Sample Type: Grab

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Manganese	EPA 200.7	ND	0.010	mg/L	1	A815777	10/19/18	10/23/18	
Mercury	EPA 200.8	ND	0.20	ug/L	1	A815777	10/19/18	10/26/18	
Nickel	EPA 200.8	ND	10	ug/L	1	A815777	10/19/18	10/26/18	
Potassium	EPA 200.7	ND	2.0	mg/L	1	A815777	10/19/18	10/23/18	
Selenium	EPA 200.8	ND	2.0	ug/L	1	A815777	10/19/18	10/26/18	
Silver	EPA 200.8	ND	10	ug/L	1	A815777	10/19/18	10/26/18	
Sodium	EPA 200.7	4.6	1.0	mg/L	1	A815777	10/19/18	10/23/18	
Thallium	EPA 200.8	ND	1.0	ug/L	1	A815777	10/19/18	10/26/18	
Hardness as CaCO ₃	SM 2340B	25	0.41	mg/L					
Uranium	EPA 200.8	ND	1.0	ug/L	1	A815777	10/19/18	10/26/18	
Zinc	EPA 200.8	ND	50	ug/L	1	A815777	10/19/18	10/26/18	

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>EDB and DBCP by GC-ECD</u>									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	A815912	10/22/18	10/23/18	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	A815912	10/22/18	10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	99 %	Acceptable range: 70-130 %						
<u>Organohalide Pesticides and PCBs by GC-ECD</u>									
Aldrin	EPA 505	ND	0.075	ug/L	1	A815912	10/22/18	10/23/18	
Chlordane	EPA 505	ND	0.10	ug/L	1	A815912	10/22/18	10/23/18	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A815912	10/22/18	10/23/18	
Endrin	EPA 505	ND	0.10	ug/L	1	A815912	10/22/18	10/23/18	
Heptachlor	EPA 505	ND	0.010	ug/L	1	A815912	10/22/18	10/23/18	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	A815912	10/22/18	10/23/18	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	A815912	10/22/18	10/23/18	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	A815912	10/22/18	10/23/18	
Lindane	EPA 505	ND	0.20	ug/L	1	A815912	10/22/18	10/23/18	
Methoxychlor	EPA 505	ND	10	ug/L	1	A815912	10/22/18	10/23/18	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	A815912	10/22/18	10/23/18	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A815912	10/22/18	10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	99 %	Acceptable range: 70-130 %						
<u>Chlorinated Acid Herbicides by GC-ECD</u>									
2,4,5-T	EPA 515.4	ND	1.0	ug/L	1	A816112	10/25/18	10/25/18	
2,4,5-TP (Silvex)	EPA 515.4	ND	1.0	ug/L	1	A816112	10/25/18	10/25/18	
2,4-D	EPA 515.4	ND	10	ug/L	1	A816112	10/25/18	10/25/18	
Bentazon	EPA 515.4	ND	2.0	ug/L	1	A816112	10/25/18	10/25/18	
Dalapon	EPA 515.4	ND	10	ug/L	1	A816112	10/25/18	10/25/18	
Dicamba	EPA 515.4	ND	1.5	ug/L	1	A816112	10/25/18	10/25/18	
Dinoseb	EPA 515.4	ND	2.0	ug/L	1	A816112	10/25/18	10/25/18	
Pentachlorophenol	EPA 515.4	ND	0.20	ug/L	1	A816112	10/25/18	10/25/18	
Picloram	EPA 515.4	ND	1.0	ug/L	1	A816112	10/25/18	10/25/18	

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Certificate of Analysis

Sample ID: A8J2407-01

Sampled By: Client

Sample Description: Mountain Spring Water

Sample Date - Time: 10/17/18 - 15:00

Matrix: Water

Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Surrogate: DCPAA	EPA 515.4	100 %	Acceptable range: 70-130 %						
<u>Volatile Organics by GC-MS</u>									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A815807	10/19/18	10/20/18	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
Acetone	EPA 524.2	ND	10	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
Benzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	

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A8J2407 FINAL 11072018 1444

Certificate of Analysis

Sample ID: A8J2407-01
Sampled By: Client
Sample Description: Mountain Spring Water

Sample Date - Time: 10/17/18 - 15:00
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Volatile Organics by GC-MS</u>									
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Di-isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A815807	10/19/18	10/20/18	BS1.0
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	BS1.0
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A815807	10/19/18	10/20/18	BS1.0, CV0.0
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Toluene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A815807	10/19/18	10/20/18	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A815807	10/19/18	10/20/18	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	93 %	Acceptable range: 70-130 %						
Surrogate: Bromofluorobenzene	EPA 524.2	98 %	Acceptable range: 70-130 %						
Total 1,3-Dichloropropene		ND	0.50	ug/L					
Total Trihalomethanes		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					
<u>Semi-Volatile Organics by GC-MS</u>									
Alachlor	EPA 525.3	ND	1.0	ug/L	1	A816236	10/26/18	10/29/18	
Atrazine	EPA 525.3	ND	0.50	ug/L	1	A816236	10/26/18	10/29/18	
Benzo(a)pyrene	EPA 525.3	ND	0.10	ug/L	1	A816236	10/26/18	10/29/18	
Bis(2-ethylhexyl) adipate	EPA 525.3	ND	3.0	ug/L	1	A816236	10/26/18	10/29/18	
Bis(2-ethylhexyl) phthalate	EPA 525.3	ND	3.0	ug/L	1	A816236	10/26/18	10/29/18	
Bromacil	EPA 525.3	ND	10	ug/L	1	A816236	10/26/18	10/29/18	
Butachlor	EPA 525.3	ND	0.38	ug/L	1	A816236	10/26/18	10/29/18	
Diazinon	EPA 525.3	ND	0.25	ug/L	1	A816236	10/26/18	10/29/18	
Dimethoate	EPA 525.3	ND	10	ug/L	1	A816236	10/26/18	10/29/18	
Metolachlor	EPA 525.3	ND	0.50	ug/L	1	A816236	10/26/18	10/29/18	
Metribuzin	EPA 525.3	ND	0.50	ug/L	1	A816236	10/26/18	10/29/18	

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Certificate of Analysis

Sample ID: A8J2407-01
Sampled By: Client
Sample Description: Mountain Spring Water

Sample Date - Time: 10/17/18 - 15:00

Matrix: Water

Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Semi-Volatile Organics by GC-MS</u>									
Molinate	EPA 525.3	ND	2.0	ug/L	1	A816236	10/26/18	10/29/18	
Propachlor	EPA 525.3	ND	0.50	ug/L	1	A816236	10/26/18	10/29/18	
Simazine	EPA 525.3	ND	1.0	ug/L	1	A816236	10/26/18	10/29/18	
Thiobencarb	EPA 525.3	ND	1.0	ug/L	1	A816236	10/26/18	10/29/18	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.3	89 %	Acceptable range: 70-130 %						
Surrogate: Benzo(a)pyrene-d12	EPA 525.3	102 %	Acceptable range: 70-130 %						
Surrogate: Triphenyl Phosphate	EPA 525.3	100 %	Acceptable range: 70-130 %						
<u>Carbamates by HPLC</u>									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	A815976	10/23/18	10/24/18	
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	A815976	10/23/18	10/24/18	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	A815976	10/23/18	10/24/18	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	A815976	10/23/18	10/24/18	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	A815976	10/23/18	10/24/18	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	A815976	10/23/18	10/24/18	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A815976	10/23/18	10/24/18	
Oxamyl	EPA 531.1	ND	20	ug/L	1	A815976	10/23/18	10/24/18	
<u>Glyphosate by HPLC</u>									
Glyphosate	EPA 547	ND	25	ug/L	1	A815846	10/20/18	10/20/18	
Surrogate: AMPA	EPA 547	97 %	Acceptable range: 70-130 %						
<u>Endothall by GC-MS</u>									
Endothall	EPA 548.1	ND	45	ug/L	1	A815763	10/18/18	10/22/18	
<u>Diquat by HPLC</u>									
Diquat	EPA 549.2	ND	4.0	ug/L	1	A815776	10/19/18	10/24/18	
<u>Haloacetic Acids by GC-ECD, GC-MS</u>									
Dibromoacetic Acid (DBAA)	EPA 552.3	ND	1.0	ug/L	1	A816029	10/24/18	10/25/18	
Dichloroacetic Acid (DCAA)	EPA 552.3	ND	1.0	ug/L	1	A816029	10/24/18	10/25/18	
Monobromoacetic Acid (MBAA)	EPA 552.3	ND	1.0	ug/L	1	A816029	10/24/18	10/25/18	
Monochloroacetic Acid (MCAA)	EPA 552.3	ND	2.0	ug/L	1	A816029	10/24/18	10/25/18	
Trichloroacetic Acid (TCAA)	EPA 552.3	ND	1.0	ug/L	1	A816029	10/24/18	10/25/18	
Surrogate: 2-Bromobutanoic Acid	EPA 552.3	98 %	Acceptable range: 70-130 %						
Total Haloacetic Acids		ND	2.0	ug/L					

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 300.0 - Quality Control

Batch: A815711
Prepared: 10/18/2018
Prep Method: Method Specific Preparation
Analyst: BBO
Blank (A815711-BLK1)

Chloride	ND	1.0	mg/L							10/18/18	
Fluoride	ND	0.10	mg/L							10/18/18	
Nitrate + Nitrite as N	ND	0.23	mg/L							10/18/18	
Nitrate as N	ND	0.23	mg/L							10/18/18	
Nitrite as N	ND	0.050	mg/L							10/18/18	
Sulfate as SO4	ND	1.0	mg/L							10/18/18	

Blank Spike (A815711-BS1)

Chloride	97	1.0	mg/L	100	ND	97	90-110			10/18/18	
Fluoride	1.0	0.10	mg/L	1.0	ND	101	90-110			10/18/18	
Nitrate as N	22	0.23	mg/L	23	ND	96	90-110			10/18/18	
Nitrite as N	0.96	0.050	mg/L	1.0	ND	96	90-110			10/18/18	
Sulfate as SO4	97	1.0	mg/L	100	ND	97	90-110			10/18/18	

Matrix Spike (A815711-MS1), Source: A8J2430-01

Chloride	65	1.0	mg/L	50	17	97	80-120			10/18/18	
Fluoride	0.62	0.10	mg/L	0.50	0.16	94	80-120			10/18/18	
Nitrate as N	14	0.23	mg/L	11	2.8	96	80-120			10/18/18	
Nitrite as N	0.49	0.050	mg/L	0.50	ND	98	50-110			10/18/18	
Sulfate as SO4	52	1.0	mg/L	50	4.1	96	80-120			10/18/18	

Matrix Spike (A815711-MS2), Source: A8J2480-01

Chloride	72	1.0	mg/L	50	24	96	80-120			10/18/18	
Fluoride	0.67	0.10	mg/L	0.50	0.16	102	80-120			10/18/18	
Nitrate as N	18	0.23	mg/L	11	6.7	98	80-120			10/18/18	
Nitrite as N	0.49	0.050	mg/L	0.50	ND	98	50-110			10/18/18	
Sulfate as SO4	66	1.0	mg/L	50	19	94	80-120			10/18/18	

Matrix Spike Dup (A815711-MSD1), Source: A8J2430-01

Chloride	66	1.0	mg/L	50	17	98	80-120	1	20	10/18/18	
Fluoride	0.64	0.10	mg/L	0.50	0.16	96	80-120	2	10	10/18/18	
Nitrate as N	14	0.23	mg/L	11	2.8	97	80-120	1	20	10/18/18	
Nitrite as N	0.50	0.050	mg/L	0.50	ND	100	50-110	2	20	10/18/18	
Sulfate as SO4	53	1.0	mg/L	50	4.1	97	80-120	1	20	10/18/18	

Matrix Spike Dup (A815711-MSD2), Source: A8J2480-01

Chloride	73	1.0	mg/L	50	24	99	80-120	2	20	10/18/18	
Fluoride	0.68	0.10	mg/L	0.50	0.16	104	80-120	2	10	10/18/18	
Nitrate as N	18	0.23	mg/L	11	6.7	100	80-120	2	20	10/18/18	
Nitrite as N	0.50	0.050	mg/L	0.50	ND	101	50-110	2	20	10/18/18	
Sulfate as SO4	67	1.0	mg/L	50	19	96	80-120	1	20	10/18/18	

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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 300.1 - Quality Control

Batch: A815875
Prepared: 10/22/2018
Prep Method: Method Specific Preparation
Analyst: RES
Blank (A815875-BLK1)

Chlorite	ND	0.0050	mg/L							10/22/18	
Surrogate: Dichloroacetate	0.506			0.50		101	90-115			10/22/18	

Blank Spike (A815875-BS1)

Chlorite	0.22	0.0050	mg/L	0.20	ND	111	85-115			10/22/18	
Surrogate: Dichloroacetate	0.521			0.50		104	90-115			10/22/18	

Blank Spike Dup (A815875-BSD1)

Chlorite	0.23	0.0050	mg/L	0.20	ND	114	85-115	2	10	10/22/18	
Surrogate: Dichloroacetate	0.510			0.50		102	90-115			10/22/18	

Matrix Spike (A815875-MS1), Source: A8J2705-01

Chlorite	0.088	0.0050	mg/L	0.10	ND	88	75-125			10/22/18	
Surrogate: Dichloroacetate	0.520			0.50		104	90-115			10/22/18	

Matrix Spike Dup (A815875-MSD1), Source: A8J2705-01

Chlorite	0.088	0.0050	mg/L	0.10	ND	88	75-125	1	10	10/22/18	
Surrogate: Dichloroacetate	0.518			0.50		104	90-115			10/22/18	

EPA 317.0 - Quality Control

Batch: A815973
Prepared: 10/23/2018
Prep Method: Method Specific Preparation
Analyst: RES
Blank (A815973-BLK1)

Bromate	ND	0.0010	mg/L							10/23/18	
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Blank Spike (A815973-BS1)

Bromate	0.0092	0.0010	mg/L	0.010	ND	92	85-115			10/23/18	
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Blank Spike Dup (A815973-BSD1)

Bromate	0.0097	0.0010	mg/L	0.010	ND	97	85-115	5	10	10/23/18	
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Matrix Spike (A815973-MS1), Source: A8J3020-01

Bromate	0.0085	0.0010	mg/L	0.010	ND	85	75-125			10/23/18	
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Matrix Spike Dup (A815973-MSD1), Source: A8J3020-01

Bromate	0.0097	0.0010	mg/L	0.010	ND	97	75-125	13	10	10/23/18	MS2.0
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SM 2120B - Quality Control

Batch: A815733
Prepared: 10/18/2018
Prep Method: Method Specific Preparation
Analyst: RES
Blank (A815733-BLK1)

Color, Apparent	ND	5.0	CU							10/18/18	
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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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SM 2120B - Quality Control

Batch: A815733

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: RES

Duplicate (A815733-DUP1), Source: A8J2380-01

Color, Apparent	ND	5.0	CU	ND	20	10/18/18
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Duplicate (A815733-DUP2), Source: A8J2497-03

Color, Apparent	ND	5.0	CU	ND	20	10/18/18
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SM 2130B - Quality Control

Batch: A815733

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: RES

Blank (A815733-BLK1)

Turbidity	ND	0.10	NTU			10/18/18
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Duplicate (A815733-DUP1), Source: A8J2380-01

Turbidity	0.16	0.10	NTU	0.21	27	20	10/18/18	DP1.2
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SM 2150B - Quality Control

Batch: A815487

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Blank (A815487-BLK1)

Threshold Odor	ND	1.0	T.O.N.			10/18/18
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Blank (A815487-BLK2)

Threshold Odor	ND	1.0	T.O.N.			10/18/18
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Blank (A815487-BLK3)

Threshold Odor	ND	1.0	T.O.N.			10/18/18
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SM 2320B - Quality Control

Batch: A815676

Prepared: 10/17/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Blank (A815676-BLK1)

Alkalinity as CaCO ₃	ND	3.0	mg/L			10/17/18
Bicarbonate as CaCO ₃	ND	3.0	mg/L			10/17/18
Carbonate as CaCO ₃	ND	3.0	mg/L			10/17/18
Hydroxide as CaCO ₃	ND	3.0	mg/L			10/17/18

Blank Spike (A815676-BS1)

Alkalinity as CaCO ₃	95	3.0	mg/L	100	ND	95	80-120	10/17/18
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Blank Spike Dup (A815676-BSD1)

Alkalinity as CaCO ₃	96	3.0	mg/L	100	ND	96	80-120	1	20	10/17/18
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BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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SM 2320B - Quality Control

Batch: A815676

Prepared: 10/17/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Duplicate (A815676-DUP1), Source: A8J2407-01

Alkalinity as CaCO ₃	36	3.0	mg/L		37			2	10	10/17/18	
Bicarbonate as CaCO ₃	36	3.0	mg/L		37			2	10	10/17/18	
Carbonate as CaCO ₃	ND	3.0	mg/L		ND				10	10/17/18	
Hydroxide as CaCO ₃	ND	3.0	mg/L		ND				10	10/17/18	

SM 2510B - Quality Control

Batch: A815676

Prepared: 10/17/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Blank Spike (A815676-BS1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	98	90-110			10/17/18	
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Blank Spike Dup (A815676-BSD1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	99	90-110	1	20	10/17/18	
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Duplicate (A815676-DUP1), Source: A8J2407-01

Conductivity @ 25C	75	1.0	umhos/cm		75			0	20	10/17/18	
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SM 2540C - Quality Control

Batch: A816079

Prepared: 10/24/2018

Prep Method: Method Specific Preparation

Analyst: DEH

Blank (A816079-BLK1)

Total Dissolved Solids	ND	1.0	mg/L							10/26/18	
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Blank Spike (A816079-BS1)

Total Dissolved Solids	990	1.0	mg/L	1000	ND	99	70-130			10/26/18	
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Duplicate (A816079-DUP1), Source: A8J2560-01

Total Dissolved Solids	170	1.0	mg/L		170			1	20	10/26/18	
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SM 4500-CI F - Quality Control

Batch: A815734

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Blank (A815734-BLK1)

Chlorine, Free	ND	0.10	mg/L							10/18/18	
Chlorine, Total	ND	0.10	mg/L							10/18/18	
Dichloramine	ND	0.10	mg/L							10/18/18	
Monochloramine	ND	0.10	mg/L							10/18/18	

Blank Spike (A815734-BS1)

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BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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SM 4500-Cl F - Quality Control

Batch: A815734

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Blank Spike (A815734-BS1)

Chlorine, Free	5.0	0.10	mg/L	5.0	ND	100	80-120			10/18/18
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Duplicate (A815734-DUP1), Source: A8J2407-01

Chlorine, Free	ND	0.10	mg/L		ND			20		10/18/18
Chlorine, Total	ND	0.10	mg/L		ND			20		10/18/18
Dichloramine	ND	0.10	mg/L		ND			20		10/18/18
Monochloramine	ND	0.10	mg/L		ND			20		10/18/18

SM 4500-CN E - Quality Control

Batch: A815891

Prepared: 10/22/2018

Prep Method: Total Cyanide Distillation

Analyst: CEG

Blank (A815891-BLK1)

Cyanide (total)	ND	0.0050	mg/L							10/26/18
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Blank Spike (A815891-BS1)

Cyanide (total)	0.25	0.0050	mg/L	0.25	ND	99	80-120			10/26/18
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Blank Spike Dup (A815891-BSD1)

Cyanide (total)	0.24	0.0050	mg/L	0.25	ND	97	80-120	2	20	10/26/18
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Matrix Spike (A815891-MS1), Source: A8J2894-01

Cyanide (total)	0.24	0.0050	mg/L	0.25	ND	96	80-120			10/26/18
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Matrix Spike Dup (A815891-MSD1), Source: A8J2894-01

Cyanide (total)	0.23	0.0050	mg/L	0.25	ND	93	80-120	3	20	10/26/18
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SM 4500-H+ B - Quality Control

Batch: A815676

Prepared: 10/17/2018

Prep Method: Method Specific Preparation

Analyst: CEG

Duplicate (A815676-DUP1), Source: A8J2407-01

pH (1)	7.60		pH Units	7.61				0		10/17/18
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SM 5540C - Quality Control

Batch: A815737

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: SY

Blank (A815737-BLK1)

MBAS, Calculated as LAS, mol wt 340	ND	0.050	mg/L							10/18/18
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Blank Spike (A815737-BS1)

MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	106	82-112			10/18/18
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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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SM 5540C - Quality Control

Batch: A815737

Prepared: 10/18/2018

Prep Method: Method Specific Preparation

Analyst: SY

Blank Spike Dup (A815737-BSD1)

MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	106	82-112	0	20	10/18/18
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Matrix Spike (A815737-MS1), Source: A8J2407-01

MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	105	80-112			10/18/18
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Matrix Spike Dup (A815737-MSD1), Source: A8J2407-01

MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	105	80-112	0	20	10/18/18
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BSK Associates Laboratory Fresno
Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 200.7 - Quality Control

Batch: A815777
Prepared: 10/19/2018
Prep Method: EPA 200.2
Analyst: ICP
Blank (A815777-BLK2)

Aluminum	ND	0.050	mg/L							10/23/18	
Barium	ND	0.050	mg/L							10/23/18	
Calcium	ND	0.10	mg/L							10/23/18	
Iron	ND	0.030	mg/L							10/23/18	
Magnesium	ND	0.10	mg/L							10/23/18	
Manganese	ND	0.010	mg/L							10/23/18	
Potassium	ND	2.0	mg/L							10/23/18	
Sodium	ND	1.0	mg/L							10/23/18	

Blank Spike (A815777-BS2)

Aluminum	0.19	0.050	mg/L	0.20	ND	97	85-115			10/23/18	
Barium	0.19	0.050	mg/L	0.20	ND	93	85-115			10/23/18	
Calcium	3.8	0.10	mg/L	4.0	ND	94	85-115			10/23/18	
Iron	0.19	0.030	mg/L	0.20	ND	96	85-115			10/23/18	
Magnesium	3.8	0.10	mg/L	4.0	ND	94	85-115			10/23/18	
Manganese	0.20	0.010	mg/L	0.20	ND	98	85-115			10/23/18	
Potassium	3.9	2.0	mg/L	4.0	ND	97	85-115			10/23/18	
Sodium	4.0	1.0	mg/L	4.0	ND	100	85-115			10/23/18	

Blank Spike Dup (A815777-BSD2)

Aluminum	0.17	0.050	mg/L	0.20	ND	85	85-115	14	20	10/23/18	
Barium	0.18	0.050	mg/L	0.20	ND	92	85-115	1	20	10/23/18	
Calcium	3.7	0.10	mg/L	4.0	ND	92	85-115	2	20	10/23/18	
Iron	0.19	0.030	mg/L	0.20	ND	94	85-115	3	20	10/23/18	
Magnesium	3.7	0.10	mg/L	4.0	ND	92	85-115	3	20	10/23/18	
Manganese	0.19	0.010	mg/L	0.20	ND	95	85-115	3	20	10/23/18	
Potassium	3.7	2.0	mg/L	4.0	ND	92	85-115	6	20	10/23/18	
Sodium	3.9	1.0	mg/L	4.0	ND	98	85-115	2	20	10/23/18	

Matrix Spike (A815777-MS3), Source: A8J2339-01

Aluminum	0.20	0.050	mg/L	0.20	ND	99	70-130			10/23/18	
Barium	0.19	0.050	mg/L	0.20	ND	93	70-130			10/23/18	
Calcium	25	0.10	mg/L	4.0	22	83	70-130			10/23/18	
Iron	0.22	0.030	mg/L	0.20	ND	97	70-130			10/23/18	
Magnesium	6.6	0.10	mg/L	4.0	2.9	93	70-130			10/23/18	
Manganese	0.20	0.010	mg/L	0.20	ND	98	70-130			10/23/18	
Potassium	6.2	2.0	mg/L	4.0	2.6	91	70-130			10/23/18	
Sodium	58	1.0	mg/L	4.0	55	71	70-130			10/23/18	

Matrix Spike (A815777-MS4), Source: A8J2407-01

Aluminum	0.23	0.050	mg/L	0.20	ND	114	70-130			10/23/18	
Barium	0.19	0.050	mg/L	0.20	ND	94	70-130			10/23/18	
Calcium	9.8	0.10	mg/L	4.0	5.9	97	70-130			10/23/18	

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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 200.7 - Quality Control

Batch: A815777
Prepared: 10/19/2018
Prep Method: EPA 200.2
Analyst: ICP
Matrix Spike (A815777-MS4), Source: A8J2407-01

Iron	0.20	0.030	mg/L	0.20	ND	100	70-130			10/23/18	
Magnesium	6.4	0.10	mg/L	4.0	2.5	96	70-130			10/23/18	
Manganese	0.20	0.010	mg/L	0.20	ND	99	70-130			10/23/18	
Potassium	5.6	2.0	mg/L	4.0	ND	96	70-130			10/23/18	
Sodium	8.5	1.0	mg/L	4.0	4.6	97	70-130			10/23/18	

Matrix Spike Dup (A815777-MSD3), Source: A8J2339-01

Aluminum	0.19	0.050	mg/L	0.20	ND	95	70-130	4	20	10/23/18	
Barium	0.19	0.050	mg/L	0.20	ND	94	70-130	1	20	10/23/18	
Calcium	25	0.10	mg/L	4.0	22	82	70-130	0	20	10/23/18	
Iron	0.22	0.030	mg/L	0.20	ND	95	70-130	2	20	10/23/18	
Magnesium	6.5	0.10	mg/L	4.0	2.9	91	70-130	1	20	10/23/18	
Manganese	0.20	0.010	mg/L	0.20	ND	98	70-130	1	20	10/23/18	
Potassium	6.2	2.0	mg/L	4.0	2.6	92	70-130	0	20	10/23/18	
Sodium	57	1.0	mg/L	4.0	55	67	70-130	0	20	10/23/18	MS1.0 Low

Matrix Spike Dup (A815777-MSD4), Source: A8J2407-01

Aluminum	0.23	0.050	mg/L	0.20	ND	115	70-130	1	20	10/23/18	
Barium	0.18	0.050	mg/L	0.20	ND	92	70-130	1	20	10/23/18	
Calcium	9.5	0.10	mg/L	4.0	5.9	92	70-130	2	20	10/23/18	
Iron	0.20	0.030	mg/L	0.20	ND	99	70-130	1	20	10/23/18	
Magnesium	6.3	0.10	mg/L	4.0	2.5	93	70-130	2	20	10/23/18	
Manganese	0.20	0.010	mg/L	0.20	ND	98	70-130	2	20	10/23/18	
Potassium	5.4	2.0	mg/L	4.0	ND	92	70-130	3	20	10/23/18	
Sodium	8.3	1.0	mg/L	4.0	4.6	92	70-130	2	20	10/23/18	

EPA 200.8 - Quality Control

Batch: A815777
Prepared: 10/19/2018
Prep Method: EPA 200.2
Analyst: MAS
Blank (A815777-BLK1)

Antimony	ND	2.0	ug/L							10/26/18	
Arsenic	ND	2.0	ug/L							10/26/18	
Beryllium	ND	1.0	ug/L							10/26/18	
Cadmium	ND	1.0	ug/L							10/26/18	
Chromium	ND	10	ug/L							10/26/18	
Copper	ND	5.0	ug/L							10/26/18	
Lead	ND	1.0	ug/L							10/26/18	
Mercury	ND	0.20	ug/L							10/26/18	
Nickel	ND	10	ug/L							10/26/18	
Selenium	ND	2.0	ug/L							10/26/18	
Silver	ND	10	ug/L							10/26/18	
Thallium	ND	1.0	ug/L							10/26/18	

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BSK Associates Laboratory Fresno
Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 200.8 - Quality Control

Batch: A815777
Prepared: 10/19/2018
Prep Method: EPA 200.2
Analyst: MAS
Blank (A815777-BLK1)

Uranium	ND	1.0	ug/L							10/26/18	
Zinc	ND	50	ug/L							10/26/18	

Blank Spike (A815777-BS1)

Antimony	200	2.0	ug/L	200	ND	102	85-115			10/26/18	
Arsenic	190	2.0	ug/L	200	ND	95	85-115			10/26/18	
Beryllium	200	1.0	ug/L	200	ND	98	85-115			10/26/18	
Cadmium	190	1.0	ug/L	200	ND	93	85-115			10/26/18	
Chromium	190	10	ug/L	200	ND	95	85-115			10/26/18	
Copper	190	5.0	ug/L	200	ND	93	85-115			10/26/18	
Lead	200	1.0	ug/L	200	ND	100	85-115			10/26/18	
Mercury	4.7	0.20	ug/L	5.0	ND	93	85-115			10/26/18	
Nickel	190	10	ug/L	200	ND	94	85-115			10/26/18	
Selenium	180	2.0	ug/L	200	ND	88	85-115			10/26/18	
Silver	91	10	ug/L	100	ND	91	75-125			10/26/18	
Thallium	200	1.0	ug/L	200	ND	101	85-115			10/26/18	
Uranium	200	1.0	ug/L	200	ND	100	85-115			10/26/18	
Zinc	190	50	ug/L	200	ND	93	85-115			10/26/18	

Blank Spike Dup (A815777-BSD1)

Antimony	200	2.0	ug/L	200	ND	100	85-115	2	20	10/26/18	
Arsenic	190	2.0	ug/L	200	ND	94	85-115	2	20	10/26/18	
Beryllium	190	1.0	ug/L	200	ND	97	85-115	1	20	10/26/18	
Cadmium	180	1.0	ug/L	200	ND	92	85-115	1	20	10/26/18	
Chromium	190	10	ug/L	200	ND	95	85-115	1	20	10/26/18	
Copper	180	5.0	ug/L	200	ND	92	85-115	1	20	10/26/18	
Lead	200	1.0	ug/L	200	ND	99	85-115	1	20	10/26/18	
Mercury	4.6	0.20	ug/L	5.0	ND	92	85-115	2	20	10/26/18	
Nickel	190	10	ug/L	200	ND	93	85-115	1	20	10/26/18	
Selenium	180	2.0	ug/L	200	ND	89	85-115	0	20	10/26/18	
Silver	90	10	ug/L	100	ND	90	75-125	2	20	10/26/18	
Thallium	200	1.0	ug/L	200	ND	100	85-115	1	20	10/26/18	
Uranium	200	1.0	ug/L	200	ND	98	85-115	2	20	10/26/18	
Zinc	180	50	ug/L	200	ND	92	85-115	1	20	10/26/18	

Matrix Spike (A815777-MS2), Source: A8J2407-01

Antimony	200	2.0	ug/L	200	ND	101	70-130			10/26/18	
Arsenic	190	2.0	ug/L	200	ND	95	70-130			10/26/18	
Beryllium	200	1.0	ug/L	200	ND	98	70-130			10/26/18	
Cadmium	190	1.0	ug/L	200	ND	93	70-130			10/26/18	
Chromium	190	10	ug/L	200	ND	97	70-130			10/26/18	
Copper	190	5.0	ug/L	200	ND	93	70-130			10/26/18	
Lead	200	1.0	ug/L	200	ND	98	70-130			10/26/18	

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BSK Associates Laboratory Fresno
Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 200.8 - Quality Control

Batch: A815777
Prepared: 10/19/2018
Prep Method: EPA 200.2
Analyst: MAS
Matrix Spike (A815777-MS2), Source: A8J2407-01

Mercury	4.6	0.20	ug/L	5.0	ND	91	70-130			10/26/18	
Nickel	190	10	ug/L	200	ND	94	70-130			10/26/18	
Selenium	180	2.0	ug/L	200	ND	89	70-130			10/26/18	
Silver	91	10	ug/L	100	ND	91	70-130			10/26/18	
Thallium	200	1.0	ug/L	200	ND	99	70-130			10/26/18	
Uranium	200	1.0	ug/L	200	ND	99	70-130			10/26/18	
Zinc	190	50	ug/L	200	ND	93	70-130			10/26/18	

Matrix Spike Dup (A815777-MSD2), Source: A8J2407-01

Antimony	200	2.0	ug/L	200	ND	98	70-130	3	20	10/26/18	
Arsenic	190	2.0	ug/L	200	ND	93	70-130	2	20	10/26/18	
Beryllium	190	1.0	ug/L	200	ND	96	70-130	3	20	10/26/18	
Cadmium	180	1.0	ug/L	200	ND	90	70-130	3	20	10/26/18	
Chromium	190	10	ug/L	200	ND	94	70-130	3	20	10/26/18	
Copper	180	5.0	ug/L	200	ND	91	70-130	2	20	10/26/18	
Lead	190	1.0	ug/L	200	ND	96	70-130	2	20	10/26/18	
Mercury	4.5	0.20	ug/L	5.0	ND	91	70-130	1	20	10/26/18	
Nickel	180	10	ug/L	200	ND	91	70-130	3	20	10/26/18	
Selenium	180	2.0	ug/L	200	ND	88	70-130	2	20	10/26/18	
Silver	88	10	ug/L	100	ND	88	70-130	3	20	10/26/18	
Thallium	200	1.0	ug/L	200	ND	98	70-130	1	20	10/26/18	
Uranium	190	1.0	ug/L	200	ND	96	70-130	2	20	10/26/18	
Zinc	180	50	ug/L	200	ND	90	70-130	3	20	10/26/18	

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 504.1 - Quality Control

Batch: A815912

Prepared: 10/22/2018

Prep Method: EPA 505

Analyst: VTL

Blank (A815912-BLK1)

Dibromochloropropane (DBCP)	ND	0.010	ug/L							10/23/18	
Ethylene Dibromide (EDB)	ND	0.020	ug/L							10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.45			0.46		99	70-130			10/23/18	

Blank Spike (A815912-BS1)

Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	105	70-130			10/23/18	
Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	103	70-130			10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		104	70-130			10/23/18	

Blank Spike Dup (A815912-BSD1)

Dibromochloropropane (DBCP)	0.099	0.010	ug/L	0.10	ND	99	70-130	5	20	10/23/18	
Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	100	70-130	3	20	10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		102	70-130			10/23/18	

Matrix Spike (A815912-MS1), Source: A8J2235-01

Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	101	65-135			10/23/18	
Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	101	65-135			10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			10/23/18	

Matrix Spike Dup (A815912-MSD1), Source: A8J2235-01

Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	104	65-135	3	20	10/23/18	
Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	102	65-135	1	20	10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		101	70-130			10/23/18	

EPA 505 - Quality Control

Batch: A815912

Prepared: 10/22/2018

Prep Method: EPA 505

Analyst: VTL

Blank (A815912-BLK1)

Aldrin	ND	0.075	ug/L							10/23/18	
Chlordane	ND	0.10	ug/L							10/23/18	
Dieldrin	ND	0.020	ug/L							10/23/18	
Endrin	ND	0.10	ug/L							10/23/18	
Heptachlor	ND	0.010	ug/L							10/23/18	
Heptachlor Epoxide	ND	0.010	ug/L							10/23/18	
Hexachlorobenzene	ND	0.50	ug/L							10/23/18	
Hexachlorocyclopentadiene	ND	1.0	ug/L							10/23/18	
Lindane	ND	0.20	ug/L							10/23/18	
Methoxychlor	ND	10	ug/L							10/23/18	
PCB Aroclor Screen	ND	0.50	ug/L							10/23/18	
Toxaphene	ND	1.0	ug/L							10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.45			0.46		99	70-130			10/23/18	

Blank Spike (A815912-BS1)

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BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 505 - Quality Control

Batch: A815912
Prepared: 10/22/2018
Prep Method: EPA 505
Analyst: VTL
Blank Spike (A815912-BS1)

Aldrin	0.79	0.075	ug/L	0.74	ND	107	70-130			10/23/18	
Dieldrin	0.21	0.020	ug/L	0.20	ND	107	70-130			10/23/18	
Endrin	0.11	0.10	ug/L	0.10	ND	112	70-130			10/23/18	
Heptachlor	0.10	0.010	ug/L	0.10	ND	103	70-130			10/23/18	
Heptachlor Epoxide	0.11	0.010	ug/L	0.10	ND	112	70-130			10/23/18	
Hexachlorobenzene	1.1	0.50	ug/L	1.0	ND	106	70-130			10/23/18	
Hexachlorocyclopentadiene	1.1	1.0	ug/L	1.0	ND	107	70-130			10/23/18	
Lindane	0.22	0.20	ug/L	0.20	ND	112	70-130			10/23/18	
Methoxychlor	1.1	10	ug/L	1.0	ND	107	70-130			10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		104	70-130			10/23/18	

Blank Spike Dup (A815912-BSD1)

Aldrin	0.74	0.075	ug/L	0.74	ND	99	70-130	7	20	10/23/18	
Dieldrin	0.20	0.020	ug/L	0.20	ND	99	70-130	8	20	10/23/18	
Endrin	0.11	0.10	ug/L	0.10	ND	108	70-130	4	20	10/23/18	
Heptachlor	0.10	0.010	ug/L	0.10	ND	101	70-130	3	20	10/23/18	
Heptachlor Epoxide	0.10	0.010	ug/L	0.10	ND	104	70-130	7	20	10/23/18	
Hexachlorobenzene	0.99	0.50	ug/L	1.0	ND	99	70-130	7	20	10/23/18	
Hexachlorocyclopentadiene	0.74	1.0	ug/L	1.0	ND	74	70-130	37	20	10/23/18	BS3.0
Lindane	0.21	0.20	ug/L	0.20	ND	104	70-130	7	20	10/23/18	
Methoxychlor	1.0	10	ug/L	1.0	ND	104	70-130	3	20	10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		102	70-130			10/23/18	

Matrix Spike (A815912-MS1), Source: A8J2235-01

Aldrin	0.73	0.075	ug/L	0.75	ND	97	65-135			10/23/18	
Dieldrin	0.21	0.020	ug/L	0.20	ND	98	65-135			10/23/18	
Endrin	0.10	0.10	ug/L	0.10	ND	99	65-135			10/23/18	
Heptachlor	0.099	0.010	ug/L	0.10	ND	99	65-135			10/23/18	
Heptachlor Epoxide	0.10	0.010	ug/L	0.10	ND	101	65-135			10/23/18	
Hexachlorobenzene	0.98	0.50	ug/L	1.0	ND	98	65-135			10/23/18	
Hexachlorocyclopentadiene	0.85	1.0	ug/L	1.0	ND	70	65-135			10/23/18	
Lindane	0.21	0.20	ug/L	0.20	ND	106	65-135			10/23/18	
Methoxychlor	1.1	10	ug/L	1.0	ND	105	65-135			10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			10/23/18	

Matrix Spike Dup (A815912-MSD1), Source: A8J2235-01

Aldrin	0.77	0.075	ug/L	0.74	ND	103	65-135	5	20	10/23/18	
Dieldrin	0.21	0.020	ug/L	0.20	ND	99	65-135	1	20	10/23/18	
Endrin	0.10	0.10	ug/L	0.10	ND	105	65-135	4	20	10/23/18	
Heptachlor	0.10	0.010	ug/L	0.10	ND	102	65-135	2	20	10/23/18	
Heptachlor Epoxide	0.11	0.010	ug/L	0.10	ND	106	65-135	4	20	10/23/18	
Hexachlorobenzene	1.0	0.50	ug/L	1.0	ND	103	65-135	5	20	10/23/18	
Hexachlorocyclopentadiene	0.97	1.0	ug/L	1.0	ND	82	65-135	13	20	10/23/18	
Lindane	0.22	0.20	ug/L	0.20	ND	108	65-135	1	20	10/23/18	

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BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 505 - Quality Control

Batch: A815912

Prepared: 10/22/2018

Prep Method: EPA 505

Analyst: VTL

Matrix Spike Dup (A815912-MSD1), Source: A8J2235-01

Methoxychlor	1.1	10	ug/L	1.0	ND	108	65-135	2	20	10/23/18	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		101	70-130			10/23/18	

EPA 515.4 - Quality Control

Batch: A816112

Prepared: 10/25/2018

Prep Method: EPA 515.4

Analyst: VTL

Blank (A816112-BLK1)

2,4,5-T	ND	1.0	ug/L							10/25/18	
2,4,5-TP (Silvex)	ND	1.0	ug/L							10/25/18	
2,4-D	ND	10	ug/L							10/25/18	
Bentazon	ND	2.0	ug/L							10/25/18	
Dalapon	ND	10	ug/L							10/25/18	
Dicamba	ND	1.5	ug/L							10/25/18	
Dinoseb	ND	2.0	ug/L							10/25/18	
Pentachlorophenol	ND	0.20	ug/L							10/25/18	
Picloram	ND	1.0	ug/L							10/25/18	
Surrogate: DCPAA	35			36		97	70-130			10/25/18	

Blank Spike (A816112-BS1)

2,4,5-T	1.7	1.0	ug/L	1.6	ND	104	70-130			10/25/18	
2,4,5-TP (Silvex)	0.77	1.0	ug/L	0.80	ND	96	70-130			10/25/18	
2,4-D	0.41	10	ug/L	0.40	ND	103	70-130			10/25/18	
Bentazon	2.0	2.0	ug/L	2.0	ND	102	70-130			10/25/18	
Dalapon	4.0	10	ug/L	4.0	ND	100	70-130			10/25/18	
Dicamba	0.89	1.5	ug/L	0.80	ND	111	70-130			10/25/18	
Dinoseb	0.80	2.0	ug/L	0.80	ND	100	70-130			10/25/18	
Pentachlorophenol	0.15	0.20	ug/L	0.16	ND	96	70-130			10/25/18	
Picloram	0.45	1.0	ug/L	0.40	ND	112	70-130			10/25/18	
Surrogate: DCPAA	36			36		99	70-130			10/25/18	

Blank Spike Dup (A816112-BSD1)

2,4,5-T	1.6	1.0	ug/L	1.6	ND	100	70-130	3	20	10/25/18	
2,4,5-TP (Silvex)	0.81	1.0	ug/L	0.80	ND	101	70-130	5	20	10/25/18	
2,4-D	0.38	10	ug/L	0.40	ND	95	70-130	8	20	10/25/18	
Bentazon	2.0	2.0	ug/L	2.0	ND	101	70-130	2	20	10/25/18	
Dalapon	3.9	10	ug/L	4.0	ND	98	70-130	2	20	10/25/18	
Dicamba	0.83	1.5	ug/L	0.80	ND	104	70-130	6	20	10/25/18	
Dinoseb	0.78	2.0	ug/L	0.80	ND	98	70-130	3	20	10/25/18	
Pentachlorophenol	0.15	0.20	ug/L	0.16	ND	94	70-130	2	20	10/25/18	
Picloram	0.38	1.0	ug/L	0.40	ND	95	70-130	17	20	10/25/18	
Surrogate: DCPAA	36			36		99	70-130			10/25/18	

Matrix Spike (A816112-MS1), Source: A8J2133-01

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 515.4 - Quality Control

Batch: A816112
Prepared: 10/25/2018
Prep Method: EPA 515.4
Analyst: VTL
Matrix Spike (A816112-MS1), Source: A8J2133-01

2,4,5-T	1.6	1.0	ug/L	1.6	ND	103	70-130			10/25/18	
2,4,5-TP (Silvex)	0.75	1.0	ug/L	0.80	ND	94	70-130			10/25/18	
2,4-D	0.41	10	ug/L	0.40	ND	103	70-130			10/25/18	
Bentazon	2.0	2.0	ug/L	2.0	ND	102	70-130			10/25/18	
Dalapon	4.0	10	ug/L	4.0	ND	101	70-130			10/25/18	
Dicamba	0.88	1.5	ug/L	0.80	ND	110	70-130			10/25/18	
Dinoseb	0.80	2.0	ug/L	0.80	ND	100	70-130			10/25/18	
Pentachlorophenol	0.16	0.20	ug/L	0.16	ND	101	70-130			10/25/18	
Picloram	0.39	1.0	ug/L	0.40	ND	98	70-130			10/25/18	
Surrogate: DCPAA	37			36		104	70-130			10/25/18	

Matrix Spike Dup (A816112-MSD1), Source: A8J2133-01

2,4,5-T	1.6	1.0	ug/L	1.6	ND	102	70-130	1	30	10/25/18	
2,4,5-TP (Silvex)	0.72	1.0	ug/L	0.80	ND	90	70-130	5	30	10/25/18	
2,4-D	0.38	10	ug/L	0.40	ND	95	70-130	8	30	10/25/18	
Bentazon	2.0	2.0	ug/L	2.0	ND	101	70-130	2	30	10/25/18	
Dalapon	4.0	10	ug/L	4.0	ND	99	70-130	2	30	10/25/18	
Dicamba	0.85	1.5	ug/L	0.80	ND	106	70-130	3	30	10/25/18	
Dinoseb	0.79	2.0	ug/L	0.80	ND	99	70-130	1	30	10/25/18	
Pentachlorophenol	0.16	0.20	ug/L	0.16	ND	97	70-130	4	30	10/25/18	
Picloram	0.41	1.0	ug/L	0.40	ND	101	70-130	3	30	10/25/18	
Surrogate: DCPAA	36			36		101	70-130			10/25/18	

EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Blank (A815807-BLK1)

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							10/19/18	
1,1,1-Trichloroethane	ND	0.50	ug/L							10/19/18	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							10/19/18	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							10/19/18	
1,1,2-Trichloroethane	ND	0.50	ug/L							10/19/18	
1,1-Dichloroethane	ND	0.50	ug/L							10/19/18	
1,1-Dichloroethene	ND	0.50	ug/L							10/19/18	
1,1-Dichloropropene	ND	0.50	ug/L							10/19/18	
1,2,3-Trichlorobenzene	ND	0.50	ug/L							10/19/18	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							10/19/18	
1,2,4-Trimethylbenzene	ND	0.50	ug/L							10/19/18	
1,2-Dichlorobenzene	ND	0.50	ug/L							10/19/18	
1,2-Dichloroethane	ND	0.50	ug/L							10/19/18	
1,2-Dichloropropane	ND	0.50	ug/L							10/19/18	
1,3,5-Trimethylbenzene	ND	0.50	ug/L							10/19/18	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Blank (A815807-BLK1)

1,3-Dichlorobenzene	ND	0.50	ug/L							10/19/18	
1,3-Dichloropropane	ND	0.50	ug/L							10/19/18	
1,4-Dichlorobenzene	ND	0.50	ug/L							10/19/18	
2,2-Dichloropropane	ND	0.50	ug/L							10/19/18	
2-Butanone	ND	5.0	ug/L							10/19/18	
2-Chlorotoluene	ND	0.50	ug/L							10/19/18	
2-Hexanone	ND	10	ug/L							10/19/18	
4-Chlorotoluene	ND	0.50	ug/L							10/19/18	
4-Methyl-2-pentanone	ND	5.0	ug/L							10/19/18	
Acetone	ND	10	ug/L							10/19/18	
Benzene	ND	0.50	ug/L							10/19/18	
Bromobenzene	ND	0.50	ug/L							10/19/18	
Bromochloromethane	ND	0.50	ug/L							10/19/18	
Bromodichloromethane	ND	0.50	ug/L							10/19/18	
Bromoform	ND	0.50	ug/L							10/19/18	
Bromomethane	ND	0.50	ug/L							10/19/18	
Carbon Tetrachloride	ND	0.50	ug/L							10/19/18	
Chlorobenzene	ND	0.50	ug/L							10/19/18	
Chloroethane	ND	0.50	ug/L							10/19/18	
Chloroform	ND	0.50	ug/L							10/19/18	
Chloromethane	ND	0.50	ug/L							10/19/18	
cis-1,2-Dichloroethene	ND	0.50	ug/L							10/19/18	
cis-1,3-Dichloropropene	ND	0.50	ug/L							10/19/18	
Dibromochloromethane	ND	0.50	ug/L							10/19/18	
Dibromomethane	ND	0.50	ug/L							10/19/18	
Dichlorodifluoromethane	ND	0.50	ug/L							10/19/18	
Dichloromethane	ND	0.50	ug/L							10/19/18	
Di-isopropyl ether (DIPE)	ND	3.0	ug/L							10/19/18	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/L							10/19/18	
Ethylbenzene	ND	0.50	ug/L							10/19/18	
Hexachlorobutadiene	ND	0.50	ug/L							10/19/18	
Isopropylbenzene	ND	0.50	ug/L							10/19/18	
m,p-Xylenes	ND	0.50	ug/L							10/19/18	
Methyl-t-butyl ether	ND	0.50	ug/L							10/19/18	
Naphthalene	ND	0.50	ug/L							10/19/18	
n-Butylbenzene	ND	0.50	ug/L							10/19/18	
n-Propylbenzene	ND	0.50	ug/L							10/19/18	
o-Xylene	ND	0.50	ug/L							10/19/18	
p-Isopropyltoluene	ND	0.50	ug/L							10/19/18	
sec-Butylbenzene	ND	0.50	ug/L							10/19/18	
Styrene	ND	0.50	ug/L							10/19/18	
tert-Amyl Methyl Ether (TAME)	ND	3.0	ug/L							10/19/18	
tert-Butyl alcohol (TBA)	ND	2.0	ug/L							10/19/18	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Blank (A815807-BLK1)

tert-Butylbenzene	ND	0.50	ug/L							10/19/18	
Tetrachloroethene (PCE)	ND	0.50	ug/L							10/19/18	
Toluene	ND	0.50	ug/L							10/19/18	
trans-1,2-Dichloroethene	ND	0.50	ug/L							10/19/18	
trans-1,3-Dichloropropene	ND	0.50	ug/L							10/19/18	
Trichloroethene (TCE)	ND	0.50	ug/L							10/19/18	
Trichlorofluoromethane	ND	5.0	ug/L							10/19/18	
Vinyl Chloride	ND	0.50	ug/L							10/19/18	
Surrogate: 1,2-Dichlorobenzene-d4	45			50		91	70-130			10/19/18	
Surrogate: Bromofluorobenzene	51			50		102	70-130			10/19/18	

Blank Spike (A815807-BS1)

1,1,1,2-Tetrachloroethane	12	0.50	ug/L	10	ND	117	70-130			10/19/18	
1,1,1-Trichloroethane	12	0.50	ug/L	10	ND	119	70-130			10/19/18	
1,1,2,2-Tetrachloroethane	9.9	0.50	ug/L	10	ND	99	70-130			10/19/18	
1,1,2-Trichloro-1,2,2-trifluoroethane	12	10	ug/L	10	ND	122	70-130			10/19/18	
1,1,2-Trichloroethane	11	0.50	ug/L	10	ND	105	70-130			10/19/18	
1,1-Dichloroethane	11	0.50	ug/L	10	ND	113	70-130			10/19/18	
1,1-Dichloroethene	12	0.50	ug/L	10	ND	118	70-130			10/19/18	
1,1-Dichloropropene	11	0.50	ug/L	10	ND	115	70-130			10/19/18	
1,2,3-Trichlorobenzene	12	0.50	ug/L	10	ND	120	70-130			10/19/18	
1,2,4-Trichlorobenzene	13	0.50	ug/L	10	ND	125	70-130			10/19/18	
1,2,4-Trimethylbenzene	11	0.50	ug/L	10	ND	113	70-130			10/19/18	
1,2-Dichlorobenzene	11	0.50	ug/L	10	ND	106	70-130			10/19/18	
1,2-Dichloroethane	11	0.50	ug/L	10	ND	109	70-130			10/19/18	
1,2-Dichloropropane	11	0.50	ug/L	10	ND	106	70-130			10/19/18	
1,3,5-Trimethylbenzene	11	0.50	ug/L	10	ND	113	70-130			10/19/18	
1,3-Dichlorobenzene	11	0.50	ug/L	10	ND	113	70-130			10/19/18	
1,3-Dichloropropane	10	0.50	ug/L	10	ND	105	70-130			10/19/18	
1,4-Dichlorobenzene	11	0.50	ug/L	10	ND	109	70-130			10/19/18	
2,2-Dichloropropane	20	0.50	ug/L	10	ND	203	70-130			10/19/18	BS High
2-Butanone	16	5.0	ug/L	10	ND	159	70-130			10/19/18	BS High
2-Chlorotoluene	11	0.50	ug/L	10	ND	111	70-130			10/19/18	
2-Hexanone	19	10	ug/L	10	ND	187	70-130			10/19/18	BS High
4-Chlorotoluene	11	0.50	ug/L	10	ND	112	70-130			10/19/18	
4-Methyl-2-pentanone	18	5.0	ug/L	10	ND	184	70-130			10/19/18	BS High
Acetone	17	10	ug/L	10	ND	171	70-130			10/19/18	BS High
Benzene	11	0.50	ug/L	10	ND	108	70-130			10/19/18	
Bromobenzene	11	0.50	ug/L	10	ND	112	70-130			10/19/18	
Bromochloromethane	10	0.50	ug/L	10	ND	103	70-130			10/19/18	
Bromodichloromethane	11	0.50	ug/L	10	ND	108	70-130			10/19/18	
Bromoform	12	0.50	ug/L	10	ND	120	70-130			10/19/18	
Bromomethane	13	0.50	ug/L	10	ND	128	70-130			10/19/18	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Blank Spike (A815807-BS1)

Carbon disulfide	12	10	ug/L	10	ND	119	70-130			10/19/18	
Carbon Tetrachloride	12	0.50	ug/L	10	ND	117	70-130			10/19/18	
Chlorobenzene	11	0.50	ug/L	10	ND	112	70-130			10/19/18	
Chloroethane	9.1	0.50	ug/L	10	ND	91	70-130			10/19/18	
Chloroform	11	0.50	ug/L	10	ND	107	70-130			10/19/18	
Chloromethane	10	0.50	ug/L	10	ND	103	70-130			10/19/18	
cis-1,2-Dichloroethene	11	0.50	ug/L	10	ND	111	70-130			10/19/18	
cis-1,3-Dichloropropene	12	0.50	ug/L	10	ND	122	70-130			10/19/18	
Dibromochloromethane	12	0.50	ug/L	10	ND	116	70-130			10/19/18	
Dibromomethane	10	0.50	ug/L	10	ND	100	70-130			10/19/18	
Dichlorodifluoromethane	10	0.50	ug/L	10	ND	105	70-130			10/19/18	
Dichloromethane	12	0.50	ug/L	10	ND	116	70-130			10/19/18	
Di-isopropyl ether (DIPE)	14	3.0	ug/L	10	ND	145	70-130			10/19/18	BS High
Ethyl tert-Butyl Ether (ETBE)	18	0.50	ug/L	10	ND	183	70-130			10/19/18	BS High
Ethylbenzene	12	0.50	ug/L	10	ND	117	70-130			10/19/18	
Hexachlorobutadiene	12	0.50	ug/L	10	ND	123	70-130			10/19/18	
Isopropylbenzene	12	0.50	ug/L	10	ND	118	70-130			10/19/18	
m,p-Xylenes	26	0.50	ug/L	20	ND	131	70-130			10/19/18	BS High
Methyl-t-butyl ether	37	0.50	ug/L	20	ND	183	70-130			10/19/18	BS High
Naphthalene	12	0.50	ug/L	10	ND	118	70-130			10/19/18	
n-Butylbenzene	11	0.50	ug/L	10	ND	113	70-130			10/19/18	
n-Propylbenzene	11	0.50	ug/L	10	ND	114	70-130			10/19/18	
o-Xylene	12	0.50	ug/L	10	ND	117	70-130			10/19/18	
p-Isopropyltoluene	12	0.50	ug/L	10	ND	115	70-130			10/19/18	
sec-Butylbenzene	11	0.50	ug/L	10	ND	114	70-130			10/19/18	
Styrene	12	0.50	ug/L	10	ND	118	70-130			10/19/18	
tert-Amyl Methyl Ether (TAME)	20	3.0	ug/L	10	ND	200	70-130			10/19/18	BS High
tert-Butyl alcohol (TBA)	26	2.0	ug/L	10	ND	262	70-130			10/19/18	BS High
tert-Butylbenzene	11	0.50	ug/L	10	ND	113	70-130			10/19/18	
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	109	70-130			10/19/18	
Toluene	11	0.50	ug/L	10	ND	111	70-130			10/19/18	
trans-1,2-Dichloroethene	12	0.50	ug/L	10	ND	116	70-130			10/19/18	
trans-1,3-Dichloropropene	13	0.50	ug/L	10	ND	128	70-130			10/19/18	
Trichloroethene (TCE)	11	0.50	ug/L	10	ND	110	70-130			10/19/18	
Trichlorofluoromethane	11	5.0	ug/L	10	ND	113	70-130			10/19/18	
Vinyl Chloride	11	0.50	ug/L	10	ND	107	70-130			10/19/18	
Surrogate: 1,2-Dichlorobenzene-d4	50			50		100	70-130			10/19/18	
Surrogate: Bromofluorobenzene	55			50		110	70-130			10/19/18	

Blank Spike Dup (A815807-BS1)

1,1,1,2-Tetrachloroethane	12	0.50	ug/L	10	ND	119	70-130	2	30	10/19/18	
1,1,1-Trichloroethane	12	0.50	ug/L	10	ND	119	70-130	1	30	10/19/18	
1,1,2,2-Tetrachloroethane	9.9	0.50	ug/L	10	ND	99	70-130	0	30	10/19/18	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Blank Spike Dup (A815807-BSD1)

1,1,2-Trichloro-1,2,2-trifluoroethane	12	10	ug/L	10	ND	122	70-130	0	30	10/19/18	
1,1,2-Trichloroethane	11	0.50	ug/L	10	ND	107	70-130	1	30	10/19/18	
1,1-Dichloroethane	11	0.50	ug/L	10	ND	110	70-130	3	30	10/19/18	
1,1-Dichloroethene	12	0.50	ug/L	10	ND	115	70-130	2	30	10/19/18	
1,1-Dichloropropene	11	0.50	ug/L	10	ND	114	70-130	1	30	10/19/18	
1,2,3-Trichlorobenzene	12	0.50	ug/L	10	ND	122	70-130	2	30	10/19/18	
1,2,4-Trichlorobenzene	13	0.50	ug/L	10	ND	128	70-130	2	30	10/19/18	
1,2,4-Trimethylbenzene	11	0.50	ug/L	10	ND	115	70-130	2	30	10/19/18	
1,2-Dichlorobenzene	11	0.50	ug/L	10	ND	108	70-130	1	30	10/19/18	
1,2-Dichloroethane	11	0.50	ug/L	10	ND	109	70-130	1	30	10/19/18	
1,2-Dichloropropane	11	0.50	ug/L	10	ND	107	70-130	1	30	10/19/18	
1,3,5-Trimethylbenzene	12	0.50	ug/L	10	ND	116	70-130	3	30	10/19/18	
1,3-Dichlorobenzene	11	0.50	ug/L	10	ND	114	70-130	1	30	10/19/18	
1,3-Dichloropropane	11	0.50	ug/L	10	ND	107	70-130	2	30	10/19/18	
1,4-Dichlorobenzene	11	0.50	ug/L	10	ND	110	70-130	2	30	10/19/18	
2,2-Dichloropropane	20	0.50	ug/L	10	ND	203	70-130	0	30	10/19/18	BS High
2-Butanone	16	5.0	ug/L	10	ND	156	70-130	2	30	10/19/18	BS High
2-Chlorotoluene	11	0.50	ug/L	10	ND	115	70-130	3	30	10/19/18	
2-Hexanone	18	10	ug/L	10	ND	185	70-130	1	30	10/19/18	BS High
4-Chlorotoluene	11	0.50	ug/L	10	ND	113	70-130	1	30	10/19/18	
4-Methyl-2-pentanone	18	5.0	ug/L	10	ND	180	70-130	2	30	10/19/18	BS High
Acetone	16	10	ug/L	10	ND	160	70-130	7	30	10/19/18	BS High
Benzene	11	0.50	ug/L	10	ND	107	70-130	1	30	10/19/18	
Bromobenzene	11	0.50	ug/L	10	ND	113	70-130	1	30	10/19/18	
Bromochloromethane	11	0.50	ug/L	10	ND	105	70-130	3	30	10/19/18	
Bromodichloromethane	11	0.50	ug/L	10	ND	109	70-130	1	30	10/19/18	
Bromoform	12	0.50	ug/L	10	ND	120	70-130	0	30	10/19/18	
Bromomethane	12	0.50	ug/L	10	ND	125	70-130	2	30	10/19/18	
Carbon disulfide	12	10	ug/L	10	ND	117	70-130	2	30	10/19/18	
Carbon Tetrachloride	12	0.50	ug/L	10	ND	117	70-130	0	30	10/19/18	
Chlorobenzene	11	0.50	ug/L	10	ND	112	70-130	0	30	10/19/18	
Chloroethane	9.1	0.50	ug/L	10	ND	91	70-130	0	30	10/19/18	
Chloroform	11	0.50	ug/L	10	ND	110	70-130	2	30	10/19/18	
Chloromethane	10	0.50	ug/L	10	ND	101	70-130	2	30	10/19/18	
cis-1,2-Dichloroethene	11	0.50	ug/L	10	ND	113	70-130	1	30	10/19/18	
cis-1,3-Dichloropropene	12	0.50	ug/L	10	ND	123	70-130	1	30	10/19/18	
Dibromochloromethane	12	0.50	ug/L	10	ND	117	70-130	0	30	10/19/18	
Dibromomethane	10	0.50	ug/L	10	ND	100	70-130	1	30	10/19/18	
Dichlorodifluoromethane	10	0.50	ug/L	10	ND	104	70-130	1	30	10/19/18	
Dichloromethane	11	0.50	ug/L	10	ND	114	70-130	2	30	10/19/18	
Di-isopropyl ether (DIPE)	14	3.0	ug/L	10	ND	142	70-130	2	30	10/19/18	BS High
Ethyl tert-Butyl Ether (ETBE)	19	0.50	ug/L	10	ND	188	70-130	3	30	10/19/18	BS High
Ethylbenzene	12	0.50	ug/L	10	ND	117	70-130	0	30	10/19/18	

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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807

Prepared: 10/19/2018

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike Dup (A815807-BSD1)

Hexachlorobutadiene	13	0.50	ug/L	10	ND	125	70-130	2	30	10/19/18		
Isopropylbenzene	12	0.50	ug/L	10	ND	118	70-130	1	30	10/19/18		
m,p-Xylenes	26	0.50	ug/L	20	ND	131	70-130	0	30	10/19/18	BS	High
Methyl-t-butyl ether	37	0.50	ug/L	20	ND	183	70-130	0	30	10/19/18	BS	High
Naphthalene	12	0.50	ug/L	10	ND	119	70-130	1	30	10/19/18		
n-Butylbenzene	11	0.50	ug/L	10	ND	115	70-130	2	30	10/19/18		
n-Propylbenzene	12	0.50	ug/L	10	ND	116	70-130	1	30	10/19/18		
o-Xylene	12	0.50	ug/L	10	ND	118	70-130	0	30	10/19/18		
p-Isopropyltoluene	12	0.50	ug/L	10	ND	117	70-130	2	30	10/19/18		
sec-Butylbenzene	12	0.50	ug/L	10	ND	116	70-130	1	30	10/19/18		
Styrene	12	0.50	ug/L	10	ND	119	70-130	1	30	10/19/18		
tert-Amyl Methyl Ether (TAME)	21	3.0	ug/L	10	ND	207	70-130	3	30	10/19/18	BS	High
tert-Butyl alcohol (TBA)	23	2.0	ug/L	10	ND	225	70-130	15	30	10/19/18	BS	High
tert-Butylbenzene	12	0.50	ug/L	10	ND	115	70-130	2	30	10/19/18		
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	109	70-130	0	30	10/19/18		
Toluene	11	0.50	ug/L	10	ND	109	70-130	2	30	10/19/18		
trans-1,2-Dichloroethene	11	0.50	ug/L	10	ND	112	70-130	3	30	10/19/18		
trans-1,3-Dichloropropene	13	0.50	ug/L	10	ND	128	70-130	0	30	10/19/18		
Trichloroethene (TCE)	11	0.50	ug/L	10	ND	110	70-130	1	30	10/19/18		
Trichlorofluoromethane	11	5.0	ug/L	10	ND	108	70-130	5	30	10/19/18		
Vinyl Chloride	11	0.50	ug/L	10	ND	106	70-130	1	30	10/19/18		
Surrogate: 1,2-Dichlorobenzene-d4	50			50		101	70-130			10/19/18		
Surrogate: Bromofluorobenzene	56			50		111	70-130			10/19/18		

Matrix Spike (A815807-MS1), Source: A8J2310-01

1,1,1,2-Tetrachloroethane	12	0.50	ug/L	10	ND	119	41-156			10/19/18		
1,1,1-Trichloroethane	13	0.50	ug/L	10	ND	125	48-160			10/19/18		
1,1,2,2-Tetrachloroethane	9.5	0.50	ug/L	10	ND	95	42-151			10/19/18		
1,1,2-Trichloro-1,2,2-trifluoroethane	13	10	ug/L	10	ND	132	47-164			10/19/18		
1,1,2-Trichloroethane	10	0.50	ug/L	10	ND	101	45-152			10/19/18		
1,1-Dichloroethane	11	0.50	ug/L	10	ND	111	48-157			10/19/18		
1,1-Dichloroethene	12	0.50	ug/L	10	ND	123	51-158			10/19/18		
1,1-Dichloropropene	12	0.50	ug/L	10	ND	122	46-162			10/19/18		
1,2,3-Trichlorobenzene	11	0.50	ug/L	10	ND	111	37-145			10/19/18		
1,2,4-Trichlorobenzene	12	0.50	ug/L	10	ND	121	33-149			10/19/18		
1,2,4-Trimethylbenzene	12	0.50	ug/L	10	ND	116	44-146			10/19/18		
1,2-Dichlorobenzene	11	0.50	ug/L	10	ND	106	44-146			10/19/18		
1,2-Dichloroethane	11	0.50	ug/L	10	ND	107	47-151			10/19/18		
1,2-Dichloropropane	11	0.50	ug/L	10	ND	107	47-155			10/19/18		
1,3,5-Trimethylbenzene	12	0.50	ug/L	10	ND	120	45-154			10/19/18		
1,3-Dichlorobenzene	11	0.50	ug/L	10	ND	114	44-146			10/19/18		
1,3-Dichloropropane	10	0.50	ug/L	10	ND	103	45-151			10/19/18		
1,4-Dichlorobenzene	11	0.50	ug/L	10	ND	109	43-146			10/19/18		

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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Matrix Spike (A815807-MS1), Source: A8J2310-01

2,2-Dichloropropane	21	0.50	ug/L	10	ND	212	24-182			10/19/18	MS1.0 High
2-Butanone	14	5.0	ug/L	10	ND	144	55-144			10/19/18	
2-Chlorotoluene	12	0.50	ug/L	10	ND	117	48-150			10/19/18	
2-Hexanone	17	10	ug/L	10	ND	175	40-159			10/19/18	MS1.0 High
4-Chlorotoluene	12	0.50	ug/L	10	ND	116	43-150			10/19/18	
4-Methyl-2-pentanone	18	5.0	ug/L	10	ND	177	30-171			10/19/18	MS1.0 High
Acetone	14	10	ug/L	10	ND	139	27-181			10/19/18	
Benzene	11	0.50	ug/L	10	ND	110	48-155			10/19/18	
Bromobenzene	11	0.50	ug/L	10	ND	111	43-151			10/19/18	
Bromochloromethane	10	0.50	ug/L	10	ND	100	48-161			10/19/18	
Bromodichloromethane	11	0.50	ug/L	10	ND	106	47-151			10/19/18	
Bromoform	12	0.50	ug/L	10	ND	115	29-162			10/19/18	
Bromomethane	13	0.50	ug/L	10	ND	133	10-200			10/19/18	
Carbon disulfide	12	10	ug/L	10	ND	123	57-161			10/19/18	
Carbon Tetrachloride	12	0.50	ug/L	10	ND	125	47-163			10/19/18	
Chlorobenzene	11	0.50	ug/L	10	ND	114	46-152			10/19/18	
Chloroethane	10	0.50	ug/L	10	ND	100	28-189			10/19/18	
Chloroform	11	0.50	ug/L	10	ND	107	52-148			10/19/18	
Chloromethane	11	0.50	ug/L	10	ND	105	53-159			10/19/18	
cis-1,2-Dichloroethene	11	0.50	ug/L	10	ND	112	50-152			10/19/18	
cis-1,3-Dichloropropene	12	0.50	ug/L	10	ND	119	34-156			10/19/18	
Dibromochloromethane	11	0.50	ug/L	10	ND	113	44-149			10/19/18	
Dibromomethane	10	0.50	ug/L	10	ND	100	46-150			10/19/18	
Dichlorodifluoromethane	11	0.50	ug/L	10	ND	112	33-170			10/19/18	
Dichloromethane	11	0.50	ug/L	10	ND	107	47-156			10/19/18	
Di-isopropyl ether (DIPE)	13	3.0	ug/L	10	ND	135	41-159			10/19/18	
Ethyl tert-Butyl Ether (ETBE)	18	0.50	ug/L	10	ND	177	32-160			10/19/18	MS1.0 High
Ethylbenzene	12	0.50	ug/L	10	ND	122	40-157			10/19/18	
Hexachlorobutadiene	12	0.50	ug/L	10	ND	122	38-151			10/19/18	
Isopropylbenzene	12	0.50	ug/L	10	ND	125	41-156			10/19/18	
m,p-Xylenes	27	0.50	ug/L	20	ND	135	49-154			10/19/18	
Methyl-t-butyl ether	34	0.50	ug/L	20	ND	171	41-156			10/19/18	MS1.0 High
Naphthalene	11	0.50	ug/L	10	ND	107	35-154			10/19/18	
n-Butylbenzene	12	0.50	ug/L	10	ND	114	31-153			10/19/18	
n-Propylbenzene	12	0.50	ug/L	10	ND	120	39-156			10/19/18	
o-Xylene	12	0.50	ug/L	10	ND	122	27-164			10/19/18	
p-Isopropyltoluene	12	0.50	ug/L	10	ND	117	26-161			10/19/18	
sec-Butylbenzene	12	0.50	ug/L	10	ND	118	39-154			10/19/18	
Styrene	14	0.50	ug/L	10	ND	134	10-200			10/19/18	
tert-Amyl Methyl Ether (TAME)	20	3.0	ug/L	10	ND	202	24-161			10/19/18	MS1.0 High
tert-Butyl alcohol (TBA)	21	2.0	ug/L	10	ND	214	22-174			10/19/18	MS1.0 High
tert-Butylbenzene	12	0.50	ug/L	10	ND	121	40-153			10/19/18	
Tetrachloroethene (PCE)	12	0.50	ug/L	10	ND	118	48-155			10/19/18	

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BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A815807
Prepared: 10/19/2018
Prep Method: EPA 524.2
Analyst: ANM
Matrix Spike (A815807-MS1), Source: A8J2310-01

Toluene	11	0.50	ug/L	10	ND	114	40-159			10/19/18	
trans-1,2-Dichloroethene	11	0.50	ug/L	10	ND	115	52-157			10/19/18	
trans-1,3-Dichloropropene	12	0.50	ug/L	10	ND	122	28-160			10/19/18	
Trichloroethene (TCE)	12	0.50	ug/L	10	ND	115	49-155			10/19/18	
Trichlorofluoromethane	12	5.0	ug/L	10	ND	118	47-169			10/19/18	
Vinyl Chloride	12	0.50	ug/L	10	ND	117	21-183			10/19/18	
Surrogate: 1,2-Dichlorobenzene-d4	51			50		103	70-130			10/19/18	
Surrogate: Bromofluorobenzene	56			50		112	70-130			10/19/18	

EPA 525.3 - Quality Control

Batch: A816236
Prepared: 10/26/2018
Prep Method: EPA 525.3
Analyst: JKH
Blank (A816236-BLK1)

Alachlor	ND	1.0	ug/L							10/29/18	
Atrazine	ND	0.50	ug/L							10/29/18	
Benzo(a)pyrene	ND	0.10	ug/L							10/29/18	
Bis(2-ethylhexyl) adipate	ND	3.0	ug/L							10/29/18	
Bis(2-ethylhexyl) phthalate	ND	3.0	ug/L							10/29/18	
Bromacil	ND	10	ug/L							10/29/18	
Butachlor	ND	0.38	ug/L							10/29/18	
Diazinon	ND	0.25	ug/L							10/29/18	
Dimethoate	ND	10	ug/L							10/29/18	
Metolachlor	ND	0.50	ug/L							10/29/18	
Metribuzin	ND	0.50	ug/L							10/29/18	
Molinate	ND	2.0	ug/L							10/29/18	
Propachlor	ND	0.50	ug/L							10/29/18	
Simazine	ND	1.0	ug/L							10/29/18	
Thiobencarb	ND	1.0	ug/L							10/29/18	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.94			1.0		94	70-130			10/29/18	
Surrogate: Benzo(a)pyrene-d12	0.93			1.0		93	70-130			10/29/18	
Surrogate: Triphenyl Phosphate	1.1			1.0		106	70-130			10/29/18	

Blank Spike (A816236-BS1)

Alachlor	1.0	1.0	ug/L	1.0	ND	101	70-130			10/29/18	
Atrazine	0.53	0.50	ug/L	0.50	ND	105	70-130			10/29/18	
Benzo(a)pyrene	0.086	0.10	ug/L	0.10	ND	86	70-130			10/29/18	
Bis(2-ethylhexyl) adipate	2.2	3.0	ug/L	2.0	ND	109	70-130			10/29/18	
Bis(2-ethylhexyl) phthalate	3.3	3.0	ug/L	3.0	ND	109	70-130			10/29/18	
Bromacil	1.0	10	ug/L	1.0	ND	100	70-130			10/29/18	
Butachlor	0.96	0.38	ug/L	1.0	ND	96	70-130			10/29/18	
Diazinon	0.98	0.25	ug/L	1.3	ND	78	70-130			10/29/18	
Dimethoate	1.9	10	ug/L	2.0	ND	96	70-130			10/29/18	
Metolachlor	1.2	0.50	ug/L	1.3	ND	95	70-130			10/29/18	

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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 525.3 - Quality Control

Batch: A816236
Prepared: 10/26/2018
Prep Method: EPA 525.3
Analyst: JKH
Blank Spike (A816236-BS1)

Metribuzin	1.0	0.50	ug/L	1.0	ND	105	70-130			10/29/18	
Molinate	1.8	2.0	ug/L	2.0	ND	88	70-130			10/29/18	
Propachlor	0.49	0.50	ug/L	0.50	ND	98	70-130			10/29/18	
Simazine	0.37	1.0	ug/L	0.35	ND	107	70-130			10/29/18	
Thiobencarb	0.98	1.0	ug/L	1.0	ND	98	70-130			10/29/18	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.88			1.0		88	70-130			10/29/18	
Surrogate: Benzo(a)pyrene-d12	0.85			1.0		85	70-130			10/29/18	
Surrogate: Triphenyl Phosphate	0.95			1.0		95	70-130			10/29/18	

Blank Spike Dup (A816236-BS1)

Alachlor	0.94	1.0	ug/L	1.0	ND	94	70-130	8	30	10/29/18	
Atrazine	0.47	0.50	ug/L	0.50	ND	93	70-130	12	30	10/29/18	
Benzo(a)pyrene	0.087	0.10	ug/L	0.10	ND	87	70-130	1	30	10/29/18	
Bis(2-ethylhexyl) adipate	2.0	3.0	ug/L	2.0	ND	101	70-130	7	30	10/29/18	
Bis(2-ethylhexyl) phthalate	3.1	3.0	ug/L	3.0	ND	103	70-130	6	30	10/29/18	
Bromacil	0.96	10	ug/L	1.0	ND	96	70-130	4	30	10/29/18	
Butachlor	0.93	0.38	ug/L	1.0	ND	93	70-130	3	30	10/29/18	
Diazinon	0.89	0.25	ug/L	1.3	ND	71	70-130	10	30	10/29/18	
Dimethoate	1.8	10	ug/L	2.0	ND	89	70-130	8	30	10/29/18	
Metolachlor	1.2	0.50	ug/L	1.3	ND	94	70-130	1	30	10/29/18	
Metribuzin	0.97	0.50	ug/L	1.0	ND	97	70-130	8	30	10/29/18	
Molinate	1.8	2.0	ug/L	2.0	ND	90	70-130	1	30	10/29/18	
Propachlor	0.50	0.50	ug/L	0.50	ND	99	70-130	1	30	10/29/18	
Simazine	0.35	1.0	ug/L	0.35	ND	100	70-130	6	30	10/29/18	
Thiobencarb	0.89	1.0	ug/L	1.0	ND	89	70-130	10	30	10/29/18	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.94			1.0		94	70-130			10/29/18	
Surrogate: Benzo(a)pyrene-d12	0.88			1.0		88	70-130			10/29/18	
Surrogate: Triphenyl Phosphate	0.95			1.0		95	70-130			10/29/18	

Matrix Spike (A816236-MS1), Source: A8J3233-01

Alachlor	1.2	1.0	ug/L	1.3	ND	91	70-130			10/29/18	
Atrazine	0.53	0.50	ug/L	0.66	ND	81	70-130			10/29/18	
Benzo(a)pyrene	0.11	0.10	ug/L	0.13	ND	84	70-130			10/29/18	
Bis(2-ethylhexyl) adipate	2.2	3.0	ug/L	2.6	ND	85	70-130			10/29/18	
Bis(2-ethylhexyl) phthalate	3.5	3.0	ug/L	3.9	ND	88	70-130			10/29/18	
Bromacil	1.2	10	ug/L	1.3	ND	93	70-130			10/29/18	
Butachlor	1.2	0.38	ug/L	1.3	ND	91	70-130			10/29/18	
Diazinon	1.2	0.25	ug/L	1.6	ND	76	70-130			10/29/18	
Dimethoate	2.4	10	ug/L	2.6	ND	87	70-130			10/29/18	
Metolachlor	1.5	0.50	ug/L	1.6	ND	89	70-130			10/29/18	
Metribuzin	1.2	0.50	ug/L	1.3	ND	94	70-130			10/29/18	
Molinate	2.4	2.0	ug/L	2.6	ND	91	70-130			10/29/18	
Propachlor	0.64	0.50	ug/L	0.66	ND	98	70-130			10/29/18	
Simazine	0.39	1.0	ug/L	0.46	ND	85	70-130			10/29/18	

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A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 525.3 - Quality Control

Batch: A816236

Prepared: 10/26/2018

Prep Method: EPA 525.3

Analyst: JKH

Matrix Spike (A816236-MS1), Source: A8J3233-01

Thiobencarb	1.1	1.0	ug/L	1.3	ND	87	70-130			10/29/18	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.85			0.94		91	70-130			10/29/18	
Surrogate: Benzo(a)pyrene-d12	0.77			0.94		82	70-130			10/29/18	
Surrogate: Triphenyl Phosphate	0.82			0.94		87	70-130			10/29/18	

EPA 531.1 - Quality Control

Batch: A815976

Prepared: 10/23/2018

Prep Method: EPA 531.1

Analyst: PNN

Blank (A815976-BLK1)

3-Hydroxycarbofuran	ND	3.0	ug/L							10/23/18	
Aldicarb	ND	3.0	ug/L							10/23/18	
Aldicarb Sulfone	ND	2.0	ug/L							10/23/18	
Aldicarb Sulfoxide	ND	3.0	ug/L							10/23/18	
Carbaryl	ND	5.0	ug/L							10/23/18	
Carbofuran	ND	5.0	ug/L							10/23/18	
Methomyl	ND	2.0	ug/L							10/23/18	
Oxamyl	ND	20	ug/L							10/23/18	

Blank Spike (A815976-BS1)

3-Hydroxycarbofuran	9.1	3.0	ug/L	8.7	ND	104	80-120			10/23/18	
Aldicarb	4.3	3.0	ug/L	4.3	ND	99	80-120			10/23/18	
Aldicarb Sulfone	6.8	2.0	ug/L	7.0	ND	98	80-120			10/23/18	
Aldicarb Sulfoxide	4.3	3.0	ug/L	4.3	ND	98	80-120			10/23/18	
Carbaryl	8.0	5.0	ug/L	8.7	ND	92	80-120			10/23/18	
Carbofuran	8.9	5.0	ug/L	7.8	ND	113	80-120			10/23/18	
Methomyl	8.7	2.0	ug/L	8.7	ND	100	80-120			10/23/18	
Oxamyl	8.5	20	ug/L	8.7	ND	98	80-120			10/23/18	

Blank Spike Dup (A815976-BSD1)

3-Hydroxycarbofuran	9.1	3.0	ug/L	8.7	ND	104	80-120	0	20	10/23/18	
Aldicarb	4.4	3.0	ug/L	4.3	ND	100	80-120	2	20	10/23/18	
Aldicarb Sulfone	6.9	2.0	ug/L	7.0	ND	99	80-120	2	20	10/23/18	
Aldicarb Sulfoxide	4.3	3.0	ug/L	4.3	ND	100	80-120	2	20	10/23/18	
Carbaryl	8.0	5.0	ug/L	8.7	ND	92	80-120	0	20	10/23/18	
Carbofuran	8.9	5.0	ug/L	7.8	ND	114	80-120	1	20	10/23/18	
Methomyl	8.8	2.0	ug/L	8.7	ND	101	80-120	1	20	10/23/18	
Oxamyl	8.7	20	ug/L	8.7	ND	100	80-120	1	20	10/23/18	

Matrix Spike (A815976-MS1), Source: A8J2133-01

3-Hydroxycarbofuran	9.1	3.0	ug/L	8.7	ND	105	65-135			10/24/18	
Aldicarb	4.3	3.0	ug/L	4.3	ND	93	65-135			10/24/18	
Aldicarb Sulfone	7.0	2.0	ug/L	7.0	ND	100	65-135			10/24/18	
Aldicarb Sulfoxide	4.4	3.0	ug/L	4.3	ND	101	65-135			10/24/18	

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

A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 531.1 - Quality Control

Batch: A815976

Prepared: 10/23/2018

Prep Method: EPA 531.1

Analyst: PNN

Matrix Spike (A815976-MS1), Source: A8J2133-01

Carbaryl	8.0	5.0	ug/L	8.7	ND	92	65-135			10/24/18	
Carbofuran	8.7	5.0	ug/L	7.8	ND	112	65-135			10/24/18	
Methomyl	8.8	2.0	ug/L	8.7	ND	102	65-135			10/24/18	
Oxamyl	8.8	20	ug/L	8.7	ND	102	65-135			10/24/18	

EPA 547 - Quality Control

Batch: A815846

Prepared: 10/20/2018

Prep Method: EPA 547

Analyst: JNG

Blank (A815846-BLK1)

Glyphosate	ND	25	ug/L							10/20/18	
Surrogate: AMPA	99			100		98	70-130			10/20/18	

Blank Spike (A815846-BS1)

Glyphosate	96	25	ug/L	100	ND	95	70-130			10/20/18	
Surrogate: AMPA	91			100		90	70-130			10/20/18	

Blank Spike Dup (A815846-BSD1)

Glyphosate	93	25	ug/L	100	ND	92	70-130	3	30	10/20/18	
Surrogate: AMPA	99			100		98	70-130			10/20/18	

Matrix Spike (A815846-MS1), Source: A8J1208-02

Glyphosate	94	25	ug/L	100	ND	93	70-130			10/20/18	
Surrogate: AMPA	100			100		100	70-130			10/20/18	

Matrix Spike Dup (A815846-MSD1), Source: A8J1208-02

Glyphosate	100	25	ug/L	100	ND	99	70-130	6	30	10/20/18	
Surrogate: AMPA	99			100		98	70-130			10/20/18	

EPA 548.1 - Quality Control

Batch: A815763

Prepared: 10/18/2018

Prep Method: EPA 548.1

Analyst: JKH

Blank (A815763-BLK1)

Endothall	ND	45	ug/L							10/22/18	
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Blank Spike (A815763-BS1)

Endothall	17	45	ug/L	20	ND	85	46-116			10/22/18	
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Blank Spike Dup (A815763-BSD1)

Endothall	17	45	ug/L	20	ND	83	46-116	3	30	10/22/18	
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Matrix Spike (A815763-MS1), Source: A8J2407-01

Endothall	14	45	ug/L	20	ND	69	46-116			10/22/18	
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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.

A8J2407 FINAL 11072018 1444

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 549.2 - Quality Control

Batch: A815776
Prepared: 10/19/2018
Prep Method: EPA 549.2
Analyst: VTL
Blank (A815776-BLK1)

Diquat	ND	4.0	ug/L							10/24/18
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Blank Spike (A815776-BS1)

Diquat	4.1	4.0	ug/L	4.0	ND	103	70-130			10/24/18
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Blank Spike Dup (A815776-BSD1)

Diquat	4.1	4.0	ug/L	4.0	ND	102	70-130	1	30	10/24/18
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Matrix Spike (A815776-MS1), Source: A8J2133-01

Diquat	3.4	4.0	ug/L	4.0	ND	86	70-130			10/24/18
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EPA 552.3 - Quality Control

Batch: A816029
Prepared: 10/24/2018
Prep Method: EPA 552.3
Analyst: PNN
Blank (A816029-BLK1)

Dibromoacetic Acid (DBAA)	ND	1.0	ug/L							10/24/18
Dichloroacetic Acid (DCAA)	ND	1.0	ug/L							10/24/18
Monobromoacetic Acid (MBAA)	ND	1.0	ug/L							10/24/18
Monochloroacetic Acid (MCAA)	ND	2.0	ug/L							10/24/18
Trichloroacetic Acid (TCAA)	ND	1.0	ug/L							10/24/18
Surrogate: 2-Bromobutanoic Acid	9.7			10		97	70-130			10/24/18

Duplicate (A816029-DUP1), Source: A8J3131-04

Dibromoacetic Acid (DBAA)	1.1	1.0	ug/L		1.1			1	30	10/25/18
Dichloroacetic Acid (DCAA)	ND	1.0	ug/L		ND				30	10/25/18
Monobromoacetic Acid (MBAA)	ND	1.0	ug/L		ND				30	10/25/18
Monochloroacetic Acid (MCAA)	ND	2.0	ug/L		ND				30	10/25/18
Trichloroacetic Acid (TCAA)	ND	1.0	ug/L		ND				30	10/25/18
Surrogate: 2-Bromobutanoic Acid	9.6			10		96	70-130			10/25/18

Matrix Spike (A816029-MS1), Source: A8J2397-02

Dibromoacetic Acid (DBAA)	10	1.0	ug/L	10	ND	99	70-130			10/25/18
Dichloroacetic Acid (DCAA)	17	1.0	ug/L	10	6.3	103	70-130			10/25/18
Monobromoacetic Acid (MBAA)	10	1.0	ug/L	10	ND	104	70-130			10/25/18
Monochloroacetic Acid (MCAA)	21	2.0	ug/L	20	ND	104	70-130			10/25/18
Trichloroacetic Acid (TCAA)	18	1.0	ug/L	10	7.5	103	70-130			10/25/18
Surrogate: 2-Bromobutanoic Acid	10			10		103	70-130			10/25/18

Certificate of Analysis

Notes:

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

Definitions

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

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

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

Dichloramine	Monochloramine	Chlorothalonil
Trifluralin	Langelier Index	Threshold Odor

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

Fresno

EPA - UCMR4	CA00079	Los Angeles CSD	9254479	NELAP certified	4021-010
State of California - ELAP	1180	State of Hawaii	4021	State of Nevada	CA000792019-1
State of Oregon - NELAP	4021-010	State of Washington	C997-18		

Sacramento

State of California - ELAP	2435
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San Bernardino

Los Angeles CSD	9254478	NELAP certified	4119-003	State of California - ELAP	2993
State of Oregon - NELAP	4119-003				

Vancouver

NELAP certified	WA100008-011	State of Oregon - NELAP	WA100008-011	State of Washington	C824-18b
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A8J2407



10172018

Mount6485

Turnaround: Standard

Due Date: 10/30/2018



Mountain Fresh Spring Water



Printed: 10/17/2018 5:51:44PM

Page 1 of 1

Page 34 of 64



Engineering Laboratories

Chilling Process Begun: Y/N

Payment for services rendered as noted herein are due in full within 30 days of the date of invoice. If payment is not received by the 30th day, the Client/Company acknowledges that they are either the Client or an agent of the Client and agrees to pay the balance of the invoice. Terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf

SR-FL-2012-05 Analytical Chain of Custody

COC Rec ms 10/10/18 1500



External



A8J2407





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)

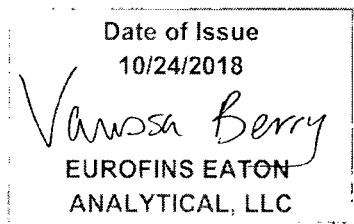


AT-1807

Laboratory Report

for

BSK Analytical Labs
1414 Stanislaus Street
Fresno, CA 93706
Attention: Michelle Kawaguchi
Fax: 559-485-6935



ZIA8: Vanessa Berry
Project Manager



Utah ELCP CA00006

Report: 769040
Project: SUBCONTRACT
Group: Subcontract tests

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.

* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** 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.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Mississippi	Certified
Arizona	AZ0778	Montana	Cert 0035
Arkansas	Certified	Nebraska	Certified
California-Monrovia-ELAP	2813	Nevada	CA000062018
California-Colton- ELAP	2812	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 *	T104704230-17-13
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

* NELAP/TNI Recognized Accreditation Bodies

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.
Refer to Certificate and scope of accreditation (AT 1807) found at: <http://www.eatonanalytical.com>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Component of Food and Bev/Bev/Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residua	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli (MTF/EC+MUG)		x		x
E. Coli (CFR 141.21(f)(6)(i))		x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1 / SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DCBP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EPA 521 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Pollutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-S ⁻ D		x	
Sulfite	SM 4500-SO ³ B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E. coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x



Eaton Analytical

Acknowledgement of Samples Received

Addr: **BSK Analytical Labs**
1414 Stanislaus Street
Fresno, CA 93706

Attn: Michelle Kawaguchi
Phone: 559-497-2888

Client ID: BSK-FRESNO
Folder #: 769040
Project: SUBCONTRACT
Sample Group: Subcontract tests

Project Manager: Vanessa Berry
Phone:
PO #: A8J2407

The following samples were received from you on **October 19, 2018** at **11:49**. 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
<u>201810190126</u>	A8J2407-01	10/17/2018 1500
Phenolic Compounds-low level		

Test Description



SUBCONTRACT ORDER

A8J2407

769040

SENDING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888
Fax: 559-485-6935
Project Manager: Heather S. White
E-mail: hwhite@bskassociates.com

RECEIVING LABORATORY:

Eurofins Eaton Analytical - Monrovia
750 Royal Oak Drive, Suite 100
Monrovia, CA 91016
Phone : (626) 386-1100
Fax: -
Turnaround (Days): Standard
QC Deliverables: I Std III IV

Sample ID	Samp Desc	Client Matrix	Water	Sample Date
A8J2407-01	Mountain Spring Water			10/17/2018 15:00
Lab Matrix: Water				
Analysis: <u>1 CAG H2SO4</u>				
EXT-Phenolics Low Level				

Released By

Date

Received By

Date

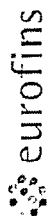
Released By

Date

Received By

Date

Page 3 of 4



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

769040

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 618A (Observation = 5-0 °C) (Corr Factor 0.1 °C) (Final = 4.9 °C)

TYPE OF ICE: Real ☐ Synthetic ☒ No Ice

CONDITION OF ICE: Frozen ☒ Partially Frozen ☐ Thawed ☐ N/A

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

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)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation = _____ °C) (Corr Factor = _____ °C) (Final = _____ °C)	2 = (Observation = _____ °C) (Corr Factor = _____ °C) (Final = _____ °C)
3 = (Observation = _____ °C) (Corr Factor = _____ °C) (Final = _____ °C)	4 = (Observation = _____ °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):

Headspace Documentation (use additional VOC Internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515.4, HAA(6251.552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

Sample ID Bottle # None/<6 >6mm

Sample ID Bottle # None/<6 >6mm

Sample ID Bottle # None/<6 >6mm

Sample ID Bottle # None/<6 >6mm

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

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RECEIVED BY:

[Signature]

u

Eurofins Eaton Analytical

10/19/18

9:32



Eaton Analytical

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

Laboratory Comments

Report: 769040
Project: SUBCONTRACT
Group: Subcontract tests

BSK Analytical Labs
Michelle Kawaguchi
1414 Stanislaus Street
Fresno, CA 93706

This report format displays both the MRL and MDL. Values between the MRL and MDL are "J" flagged. Estimated data is reported between MRL and unadjusted MDL. ND values are reported down to the unadjusted MDL.

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



Eaton Analytical

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

Laboratory Hits

Report: 769040
Project: SUBCONTRACT
Group: Subcontract tests

BSK Analytical Labs
Michelle Kawaguchi
1414 Stanislaus Street
Fresno, CA 93706

Samples Received on:
10/19/2018 11:49

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
----------	---------	-----------	--------	-------------	-------	-----

SUMMARY OF POSITIVE DATA ONLY



Eaton Analytical

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

Laboratory Data

Report: 769040
Project: SUBCONTRACT
Group: Subcontract tests

BSK Analytical Labs
Michelle Kawaguchi
1414 Stanislaus Street
Fresno, CA 93706

Samples Received on:
10/19/2018 11:49

Prepared	Analyzed	Prep Batch	Analyze Batch	Method	Analyte	Result	Units	MDL	MRL	Dilution
A8J2407-01 (201810190126)						Sampled on 10/17/2018 1500				
EPA 420.4 - Phenolic Compounds-low level										
	10/22/18 13:19		1126607	(EPA 420.4)	Phenolic Compounds-low level	0.52J	ug/L	0.25	1	2

Rounding on totals after summation.

(c) - Indicates calculated results.

ND - Analyte was not detected at the calculated MDL

J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria



Eaton Analytical

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

Laboratory QC Summary

Report: 769040
Project: SUBCONTRACT
Group: Subcontract tests

BSK Analytical Labs

Phenolic Compounds-low level

Analytical Batch: 1126607

201810190126

A8J2407-01

Analysis Date: 10/22/2018

Analyzed by: MIA8



Eaton Analytical

Laboratory QC

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

Report: 769040
Project: SUBCONTRACT
Group: Subcontract tests

BSK Analytical Labs

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Phenolic Compounds-low level by EPA 420.4									
Analytical Batch: 1126607						Analysis Date: 10/22/2018			
LCS1	Phenolic Compounds-low level		20	20.4	ug/L	102	(90-110)		
LCS2	Phenolic Compounds-low level		20	20.4	ug/L	102	(90-110)	20	0.0
MBLK	Phenolic Compounds-low level			<0.25	ug/L				
MRL_CHK	Phenolic Compounds-low level		1	0.667	ug/L	67	(50-150)		
MS_201809250464	Phenolic Compounds-low level	ND	10	10.7	ug/L	102	(80-120)		
MS_201810160123	Phenolic Compounds-low level	3.9	10	14.2	ug/L	103	(80-120)		
MSD_201809250464	Phenolic Compounds-low level	ND	10	10.8	ug/L	103	(80-120)	20	0.82
MSD_201810160123	Phenolic Compounds-low level	3.9	10	13.7	ug/L	98	(80-120)	20	3.6

Spike 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.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.



CERES Analytical Laboratory, Inc.

4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762



October 31, 2018

Ceres ID: 12405

BSK Associates
1414 Stanislaus St.
Fresno, CA 93706

The following report contains the results for the one drinking water sample received on October 19, 2018. This sample was analyzed for 2,3,7,8-TCDD by EPA method 1613B. Routine turn-around time was provided for this work.

This work was authorized under your Subcontract Order # A8J2407.

Continuing Calibration Verification (CCV) Requirements

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

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

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

Sincerely,

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

Section I: Sample Inventory

<u>Ceres Sample ID:</u>	<u>Sample ID</u>	<u>Date Received</u>	<u>Collection Date</u> <u>&Time</u>
12405-001	Mountain Spring Water A8J2407-01	10/19/2018	10/17/2018 15:00

Section II: Data Summary



CERES Analytical Laboratory, Inc.

9150 Riva Road, Suite 100, Baltimore, MD 21236

EPA Method 1613B

Quality Assurance Sample Method Blank	QC Batch #: 1882 Matrix: Drinking Water Sample Size: 1.000 L	Date Received: NA Date Extracted: 10/30/2018 ZB-5MS Analysis: 10/30/2018
Project ID: A8J2407		

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 4.79	1.49	5.00		13C-2378-TCDD	95.9	31-137	
					CRS			
					37CI4-2378-TCDD	81.1	35-197	
					DL - Signifies Non-Detect (ND) at sample specific detection limit. EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure. (a) - Lower control limit - Upper control limit			

Analyst: JMH

Reviewed by: BS



CERES Analytical Laboratory, Inc.

10000 Highway 100, Suite 100, Houston, TX 77036

EPA Method 1613B

Quality Assurance Sample Ongoing Precision and Recovery Project ID: A8J2407	QC Batch #: 1882 Matrix: Drinking Water Sample Size: 1.000 L	Date Received: NA Date Extracted: 10/30/2018 ZB-5MS Analysis: 10/30/2018
--	---	---

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.40	7.3-14.6	13C-2378-TCDD	91.3	25-141
			<u>CRS</u>		
			37Cl4-2378-TCDD	82.6	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH

Reviewed by: BS



CERES Analytical Laboratory, Inc.

10000 Highway 100, Suite 100, Houston, TX 77062

EPA Method 1613B

Client Sample ID: Mountain Spring Water A8J2407-01		
Project ID: A8J2407	Ceres Sample ID: 12405-001	Date Received: 10/19/2018
Date Collected: 10/17/2018	QC Batch #: 1882	Date Extracted: 10/30/2018
Time Collected: 15:00	Matrix: Drinking Water	ZB-5MS Analysis: 10/30/2018
	Sample Size: 1.012 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 4.66	1.49	4.94		13C-2378-TCDD	89.8	31-137	
					CRS			
					37Cl4-2378-TCDD	91.4	42-164	
					DL - Signifies Non-Detect (ND) at sample specific detection limit. EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure. (a) - Lower control limit - Upper control limit			

Analyst: JMH

Reviewed by: BS

Section VI: Sample Tracking



SUBCONTRACT ORDER

A8J2407

SENDING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888
Fax: 559-485-6935
Project Manager: Heather S. White
E-mail: hwhite@bskassociates.com

RECEIVING LABORATORY:

Ceres Analytical Laboratory, Inc
4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone : (916) 932-5011
Fax: -
Turnaround (Days): Standard
QC Deliverables: I Std III IV

Sample ID	Samp Desc	Client Matrix	Water	Sample Date
A8J2407-01	Mountain Spring Water			10/17/2018 15:00
Lab Matrix: Water				
Analysis: <u>1 L AG MONG</u>				
EXT-Dioxin-DW matrix, EPA 1613 2,3,7,8-TCDD				

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Page 1 of 4

Page 8 of 10

Page 56 of 64

Sample Receipt Check List Logged by: J (initials)

Ceres ID: <u>12405</u>	Date/Time: <u>10/19/18 08:46</u>
Client Project ID: <u>A852407</u>	Received Temp: <u>2.4</u> °C Acceptable: <u>(Y)</u> N
Chain of Custody Relinquished by signed?	<u>(Y)</u> / N
Chain of Custody Received by signed?	<u>(Y)</u> / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	<u>(NA)</u>
Unlabeled / Illegible Samples	<u>(Y)</u> <u>(N)</u>
Proper Containers:	<u>(Y)</u> / N
Preservation Acceptable (Chemical or <u>Temperature</u>)?	<u>(Y)</u> N
Drinking Water, Sodium Thiosulfate present? Residual Cl?	Y <u>(N)</u> / NA Y / <u>(N)</u>
Aqueous sample pH: <u>7</u>	
List COC discrepancies:	<u>J. 10/19/18</u>
List Damaged Samples:	<u>J. 10/19/18</u>

Section VII: Qualifiers/Abbreviations

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



Certificate of Analysis

FINAL REPORT

Work Orders: 8J18004

Project: A8J2407

Attn: Heather White
Client: BSK Analytical Laboratories
1414 Stanislaus Street
Fresno, CA 93706

Report Date: 11/04/2018
Received Date: 10/18/2018
Turnaround Time: Normal
Phones: (559) 497-2888
Fax: (559) 485-6935
P.O. #:
Billing Code:

Dear Heather White,

Enclosed are the results of analyses for samples received 10/18/18 with the Chain-of-Custody document. The samples were received in good condition, at 4.1 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.



Sample Results

Sample: A8J2407-01 Mountain Spring Water
8J18004-01 (Water)

Sampled: 10/17/18 15:00 by Client

Analyte	Batch ID	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: SM 4500CLO2-D Chlorine Dioxide as ClO ₂	W8J1187	Instr: UVVIS04 ND	Prepared: 10/18/18 10:15 0.050	mg/l	1	Analyst: het 10/18/18 11:57	*



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT



Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8J1187 - General Preparation										
Blank (W8J1187-BLK1)				Prepared & Analyzed: 10/18/18						
Chlorine Dioxide as ClO ₂	ND	0.050	mg/l							
LCS (W8J1187-BS1)				Prepared & Analyzed: 10/18/18						
Chlorine Dioxide as ClO ₂	0.388	0.050	mg/l	0.380		102	85-110			
Matrix Spike (W8J1187-MS1)				Prepared & Analyzed: 10/18/18						
Chlorine Dioxide as ClO ₂	0.346	0.050	mg/l	0.380	ND	91	82-114			
Matrix Spike Dup (W8J1187-MSD1)				Prepared & Analyzed: 10/18/18						
Chlorine Dioxide as ClO ₂	0.380	0.050	mg/l	0.380	ND	100	82-114	9	15	



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT



Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

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

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

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

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

Reviewed by:

Regina Giancola
Project Manager



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 •
NELAP-CA #04229CA • 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.



SUBCONTRACT ORDER

A8J2407

8018004

SENDING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888
Fax: 559-485-6935
Project Manager: Heather S. White
E-mail: hwhite@bskassociates.com

RECEIVING LABORATORY:

Weck Laboratories, Inc.
14859 E Clark Avenue
City of Industry, CA 91745-1396
Phone: (626) 336-2139
Fax: (626) 336-2634
Turnaround (Days): Standard
QC Deliverables: I Std III IV

Sample ID	Samp Desc	Client Matrix	Water	Sample Date
A8J2407-01	Mountain Spring Water			10/17/2018 15:00
Lab Matrix: Water				
Analysis:				
EXT-Chlorine Dioxide (24HR HT)				

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Page 4 of 4



DAVI LABORATORIES, ENVIRONMENTAL ASSOCIATES
730 Alfred Nobel Dr, Hercules CA 94547

ANALYTICAL RESULTS
REPORT

Company: BSK Associates Fresno
Address: 1414 Stanislaus Ct
Fresno, CA 93706

Project Manager: Heather S. White
Report Date: 6-Nov-18
Subcontract Order: A8J2407
Mountain Spring Water

TABLE I

Sample ID	Collection Date	Time	Matrix	EPA Method	Analyses	Results pCi/L	2 Sigma error	MDA
Water								
A8J2407	-01	10/17/2018	9:00	900.0	Gross Alpha	2.77 ±	1.21	0.76
			15:00	900.0	Gross Beta	2.78 ±	1.37	1.92
			48011/7/18	903.1	Ra 226	0.16 ±	0.11	0.01
				904.0	Ra 228	1.33 ±	0.69	0.59

Analyst: PD
Analyses Date: 11/5/2018

TABLE II QA/QC

Analyses	Spike Added	Detected Activity	% Agreement
Gross Alpha	345.48 pCi/L	327.23 pCi/L	94.72
Gross Beta	524.70 pCi/L	500.90 pCi/L	95.46
Ra 226	163.30 pCi/L	156.20 pCi/L	95.65
Ra 228	500.86 pCi/L	465.90 pCi/L	93.02

Patricia Davi

Patricia Davi
QA/QC Manager



SUBCONTRACT ORDER

A8J2407

2510-20

SENDING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888
Fax: 559-485-6935
Project Manager: Heather S. White
E-mail: hwhite@bskassociates.com

RECEIVING LABORATORY:

Davi Laboratories
730 Alfred Nobel Drive
Hercules, CA 94547-1805
Phone : (510) 724-9450
Fax: -
Turnaround (Days): Standard
QC Deliverables: I Std III IV

Sample ID	Samp Desc	Client Matrix	Water	Sample Date
A8J2407-01	Mountain Spring Water			10/17/2018 15:00
Lab Matrix: Water				
Analysis: (3) L P HND3				
EXT-Gross Alpha and Beta				
EXT-Radium 226-DW Matrix				
EXT-Radium 228-DW Matrix				

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Page 2 of 4