



BSK Associates Sacramento
3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
916.853.9293 (Main)

SGG0092
7/25/2023
Invoice: SG03881

Jeremy Shykowski
City of Folsom
194 Randall Drive
Folsom, CA 95630

RE: Report for SGG0092 Annual Testing

Dear Jeremy Shykowski,

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 7/6/2023. 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 2016 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, Jaime Lee LaFave, at (916) 853-9293.

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

Sincerely,

Jaime Lee LaFave, Project Manager

Case Narrative

Project and Report Details	Invoice Details
----------------------------	-----------------

Client: City of Folsom Report To: Jeremy Shykowski Project #: Annual testing - 2023 Received: 7/06/2023 - 09:30 Report Due: 7/27/2023	Invoice To: City of Folsom Invoice Attn: AP Project PO#: XP3302
--	--

Sample Receipt Conditions

Cooler: Default Cooler Temperature on Receipt °C: 13.8	Containers Intact COC/Labels Agree Received On Wet Ice Sample(s) arrived at lab on same day sampled. Sample(s) were received in temperature range. Initial receipt at BSK-SAC
---	--

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 above upper control limit; no material impact on reported result as sample is ND for this parameter.
- DP1.0 Sample Duplicate RPD exceeded the method acceptance limit. Concentration estimated.
- DP1.1 Sample Duplicate RPD exceeded method acceptance criteria.
- MS1.0 Matrix spike recoveries exceed control limits.
- OD.f Fishy/Rancid
- SR.x Surrogate recovered below the acceptance criteria in the method blank. No material impact as all associated samples are non detect.

Report Distribution

Recipient(s)	Report Format	CC:
Jeremy Shykowski	FINAL.RPT	bpearson@folsom.ca.us

Certificate of Analysis

Sample ID: SGG0092-01
Sampled By: Bryan Farley
Sample Description: WTP Raw

Sample Date - Time: 07/06/2023 - 08:00
Matrix: Surface Water
Sample Type: Grab

BSK Associates Laboratory Fresno
General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aggressive Index		9.31	0.00	AGGR	1	AGG1303	07/20/23	07/20/23	
Alkalinity as CaCO3	SM 2320B	15	3.0	mg/L	1	AGG0342	07/07/23	07/07/23	
Bicarbonate as CaCO3	SM 2320B	15	3.0	mg/L	1	AGG0342	07/07/23	07/07/23	
Carbonate as CaCO3	SM 2320B	ND	3.0	mg/L	1	AGG0342	07/07/23	07/07/23	
Hydroxide as CaCO3	SM 2320B	ND	3.0	mg/L	1	AGG0342	07/07/23	07/07/23	
Chloride	EPA 300.0	ND	1.0	mg/L	1	AGG0290	07/07/23	07/07/23	
Color, Apparent	SM 2120B	5.0	5.0	CU	1	AGG0364	07/07/23 17:55	07/07/23	
Color pH (1)	SM 4500-H+ B	8.0		pH Units	1	AGG0364	07/07/23	07/07/23	
Cyanide (total)	SM 4500-CN E	ND	5.0	ug/L	1	AGG0593	07/12/23	07/13/23	
Conductivity @ 25C	SM 2510B	34	1.0	umhos/cm	1	AGG0342	07/07/23	07/07/23	
Fluoride	EPA 300.0	ND	0.10	mg/L	1	AGG0290	07/07/23	07/07/23	
Hexavalent Chromium	EPA 218.7	0.054	0.050	ug/L	1	AGG0329	07/07/23	07/07/23	
Langelier Index	SM 2330B	-2.6				AGG1303	07/20/23	07/20/23	
MBAS, Calculated as LAS, mol wt 340	SM 5540C	ND	0.050	mg/L	1	AGG0289	07/06/23 19:21	07/07/23	
Nitrate + Nitrite as N	EPA 300.0	ND	0.23	mg/L	1	AGG0290	07/07/23 06:14	07/07/23	
Nitrate as N	EPA 300.0	ND	0.23	mg/L	1	AGG0290	07/07/23 06:14	07/07/23	
Nitrite as N	EPA 300.0	ND	0.050	mg/L	1	AGG0290	07/07/23 06:14	07/07/23	
Perchlorate	EPA 314.0	ND	2.0	ug/L	1	AGG1020	07/17/23	07/17/23	
pH (1)	SM 4500-H+ B	7.2	0.0	pH Units	1	AGG0342	07/07/23 17:19	07/07/23	DP1.0
pH Temperature in °C		20.3							
Sulfate as SO4	EPA 300.0	1.2	1.0	mg/L	1	AGG0290	07/07/23	07/07/23	
Total Dissolved Solids	SM 2540C	48	5.0	mg/L	1	AGG0489	07/11/23	07/11/23	
Turbidity	SM 2130B	1.5	0.10	NTU	1	AGG0364	07/07/23 18:03	07/07/23	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Aluminum	EPA 200.7	ND	50	ug/L	1	AGG0519	07/11/23	07/12/23	
Antimony	EPA 200.8	ND	2.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Arsenic	EPA 200.8	ND	2.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Barium	EPA 200.7	ND	50	ug/L	1	AGG0519	07/11/23	07/12/23	
Beryllium	EPA 200.8	ND	1.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Cadmium	EPA 200.8	ND	1.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Calcium	EPA 200.7	3.5	0.10	mg/L	1	AGG0519	07/11/23	07/12/23	
Chromium	EPA 200.8	ND	10	ug/L	1	AGG0519	07/11/23	07/12/23	
Copper	EPA 200.8	ND	5.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Iron	EPA 200.7	35	30	ug/L	1	AGG0519	07/11/23	07/12/23	
Lead	EPA 200.8	ND	1.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Magnesium	EPA 200.7	0.91	0.10	mg/L	1	AGG0519	07/11/23	07/12/23	
Manganese	EPA 200.7	ND	10	ug/L	1	AGG0519	07/11/23	07/12/23	
Mercury	EPA 200.8	ND	0.20	ug/L	1	AGG0519	07/11/23	07/12/23	
Nickel	EPA 200.8	ND	10	ug/L	1	AGG0519	07/11/23	07/12/23	
Potassium	EPA 200.7	ND	2.0	mg/L	1	AGG0519	07/11/23	07/12/23	

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.



Certificate of Analysis

Sample ID: SGG0092-01
Sampled By: Bryan Farley
Sample Description: WTP Raw

Sample Date - Time: 07/06/2023 - 08:00
Matrix: Surface Water
Sample Type: Grab

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Selenium	EPA 200.8	ND	2.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Silver	EPA 200.8	ND	10	ug/L	1	AGG0519	07/11/23	07/12/23	
Sodium	EPA 200.7	1.6	1.0	mg/L	1	AGG0519	07/11/23	07/12/23	
Thallium	EPA 200.8	ND	1.0	ug/L	1	AGG0519	07/11/23	07/12/23	
Hardness as CaCO3	SM 2340B	12	0.41	mg/L					
Zinc	EPA 200.7	ND	50	ug/L	1	AGG0519	07/11/23	07/12/23	

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>EDB and DBCP by GC-ECD</u>									
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	AGG0478	07/10/23	07/11/23	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	AGG0478	07/10/23	07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	70 %	Acceptable range: 70-130 %						
<u>Organohalide Pesticides and PCBs by GC-ECD</u>									
Aldrin	EPA 505	ND	0.075	ug/L	1	AGG0478	07/10/23	07/11/23	
Chlordane (Technical)	EPA 505	ND	0.10	ug/L	1	AGG0478	07/10/23	07/11/23	
Dieldrin	EPA 505	ND	0.020	ug/L	1	AGG0478	07/10/23	07/11/23	
Endrin	EPA 505	ND	0.10	ug/L	1	AGG0478	07/10/23	07/11/23	
Heptachlor	EPA 505	ND	0.010	ug/L	1	AGG0478	07/10/23	07/11/23	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	AGG0478	07/10/23	07/11/23	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	AGG0478	07/10/23	07/11/23	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	AGG0478	07/10/23	07/11/23	
Lindane	EPA 505	ND	0.20	ug/L	1	AGG0478	07/10/23	07/11/23	
Methoxychlor	EPA 505	ND	10	ug/L	1	AGG0478	07/10/23	07/11/23	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	AGG0478	07/10/23	07/11/23	
Toxaphene	EPA 505	ND	1.0	ug/L	1	AGG0478	07/10/23	07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	70 %	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	AGG0624	07/12/23	07/13/23	
2,4,5-TP (Silvex)	EPA 515.4	ND	1.0	ug/L	1	AGG0624	07/12/23	07/13/23	
2,4-D	EPA 515.4	ND	10	ug/L	1	AGG0624	07/12/23	07/13/23	
Bentazon	EPA 515.4	ND	2.0	ug/L	1	AGG0624	07/12/23	07/13/23	
Dalapon	EPA 515.4	ND	10	ug/L	1	AGG0624	07/12/23	07/13/23	
Dicamba	EPA 515.4	ND	1.5	ug/L	1	AGG0624	07/12/23	07/13/23	
Dinoseb	EPA 515.4	ND	2.0	ug/L	1	AGG0624	07/12/23	07/13/23	
Pentachlorophenol	EPA 515.4	ND	0.20	ug/L	1	AGG0624	07/12/23	07/13/23	
Picloram	EPA 515.4	ND	1.0	ug/L	1	AGG0624	07/12/23	07/13/23	
Surrogate: DCPAA	EPA 515.4	105 %	Acceptable range: 70-130 %						
<u>Volatile Organics (SDWA Regulated) by GC-MS</u>									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AGG0360	07/07/23	07/08/23	

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.

Certificate of Analysis

Sample ID: SGG0092-01
Sampled By: Bryan Farley
Sample Description: WTP Raw

Sample Date - Time: 07/06/2023 - 08:00
Matrix: Surface Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Benzene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AGG0360	07/07/23	07/08/23	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AGG0360	07/07/23	07/08/23	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	100 %							Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	100 %							Acceptable range: 70-130 %
Semi-Volatile Organics by GC-MS									
Alachlor	EPA 525.3	ND	1.0	ug/L	1	AGG0840	07/14/23	07/18/23	
Atrazine	EPA 525.3	ND	0.50	ug/L	1	AGG0840	07/14/23	07/18/23	
Benzo(a)pyrene	EPA 525.3	ND	0.10	ug/L	1	AGG0840	07/14/23	07/18/23	
Bis(2-ethylhexyl) adipate	EPA 525.3	ND	3.0	ug/L	1	AGG0840	07/14/23	07/18/23	
Bis(2-ethylhexyl) phthalate	EPA 525.3	ND	3.0	ug/L	1	AGG0840	07/14/23	07/18/23	
Bromacil	EPA 525.3	ND	10	ug/L	1	AGG0840	07/14/23	07/18/23	BS1.0
Butachlor	EPA 525.3	ND	0.38	ug/L	1	AGG0840	07/14/23	07/18/23	
Diazinon	EPA 525.3	ND	0.25	ug/L	1	AGG0840	07/14/23	07/18/23	
Dimethoate	EPA 525.3	ND	10	ug/L	1	AGG0840	07/14/23	07/18/23	
Metolachlor	EPA 525.3	ND	0.50	ug/L	1	AGG0840	07/14/23	07/18/23	
Metribuzin	EPA 525.3	ND	0.50	ug/L	1	AGG0840	07/14/23	07/18/23	
Molinate	EPA 525.3	ND	2.0	ug/L	1	AGG0840	07/14/23	07/18/23	

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.

SGG0092 FINAL 07252023 2003



Certificate of Analysis

Sample ID: SGG0092-01
Sampled By: Bryan Farley
Sample Description: WTP Raw

Sample Date - Time: 07/06/2023 - 08:00
Matrix: Surface Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Semi-Volatile Organics by GC-MS</u>									
Propachlor	EPA 525.3	ND	0.50	ug/L	1	AGG0840	07/14/23	07/18/23	
Simazine	EPA 525.3	ND	1.0	ug/L	1	AGG0840	07/14/23	07/18/23	
Thiobencarb	EPA 525.3	ND	1.0	ug/L	1	AGG0840	07/14/23	07/18/23	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.3	95 %	<i>Acceptable range: 70-130 %</i>						
Surrogate: Benzo(a)pyrene-d12	EPA 525.3	100 %	<i>Acceptable range: 70-130 %</i>						
Surrogate: Triphenyl Phosphate	EPA 525.3	130 %	<i>Acceptable range: 70-130 %</i>						
<u>Carbamates by HPLC</u>									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	AGG0954	07/17/23	07/18/23	
Oxamyl	EPA 531.1	ND	20	ug/L	1	AGG0954	07/17/23	07/18/23	
<u>Glyphosate by HPLC</u>									
Glyphosate	EPA 547	ND	25	ug/L	1	AGG0374	07/07/23	07/07/23	
Surrogate: AMPA	EPA 547	93 %	<i>Acceptable range: 70-130 %</i>						
<u>Endothall by GC-MS</u>									
Endothall	EPA 548.1	ND	45	ug/L	1	AGG0495	07/10/23	07/12/23	
<u>Diquat by HPLC</u>									
Diquat	EPA 549.2	ND	4.0	ug/L	1	AGG0408	07/10/23	07/14/23	

BSK Associates Sacramento
General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Threshold Odor	SM 2150B	2.3	1.0	T.O.N.	1	SGG0068	07/06/23 17:15	07/06/23	OD.f

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.



Certificate of Analysis

Sample ID: SGG0092-02
Sampled By: BSK
Sample Description: 504 TB- 0423068

Sample Date - Time: 07/06/2023 - 08:00
Matrix: Water
Sample Type: Trip Blank

BSK Associates Laboratory Fresno
Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>EDB and DBCP by GC-ECD</u>									
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	AGG0674	07/12/23	07/13/23	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	AGG0674	07/12/23	07/13/23	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	118 %	<i>Acceptable range: 70-130 %</i>						

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.



BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

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

EPA 218.7 - Quality Control

Batch: AGG0329

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: CEG

Blank (AGG0329-BLK1)

Hexavalent Chromium	ND	0.050	ug/L							07/07/23	
---------------------	----	-------	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG0329-BS1)

Hexavalent Chromium	0.066	0.050	ug/L	0.050	ND	132	50-150			07/07/23	
---------------------	-------	-------	------	-------	----	-----	--------	--	--	----------	--

Matrix Spike (AGG0329-MS1), Source: SGG0092-01

Hexavalent Chromium	2.1	0.050	ug/L	2.0	0.054	104	85-115			07/07/23	
---------------------	-----	-------	------	-----	-------	-----	--------	--	--	----------	--

Matrix Spike Dup (AGG0329-MSD1), Source: SGG0092-01

Hexavalent Chromium	2.1	0.050	ug/L	2.0	0.054	103	85-115	1	15	07/07/23	
---------------------	-----	-------	------	-----	-------	-----	--------	---	----	----------	--

EPA 300.0 - Quality Control

Batch: AGG0290

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: GJA

Blank (AGG0290-BLK1)

Fluoride	ND	0.10	mg/L							07/07/23	
Nitrate as N	ND	0.23	mg/L							07/07/23	
Chloride	ND	1.0	mg/L							07/07/23	
Nitrite as N	ND	0.050	mg/L							07/07/23	
Nitrate + Nitrite as N	ND	0.23	mg/L							07/07/23	
Sulfate as SO4	ND	1.0	mg/L							07/07/23	

Blank Spike (AGG0290-BS1)

Fluoride	1.1	0.10	mg/L	1.0	ND	106	90-110			07/07/23	
Nitrate as N	23	0.23	mg/L	23	ND	103	90-110			07/07/23	
Chloride	100	1.0	mg/L	100	ND	103	90-110			07/07/23	
Nitrite as N	1.1	0.050	mg/L	1.0	ND	105	90-110			07/07/23	
Sulfate as SO4	100	1.0	mg/L	100	ND	103	90-110			07/07/23	

Matrix Spike (AGG0290-MS1), Source: AGG0435-01

Fluoride	0.61	0.10	mg/L	0.50	ND	107	80-120			07/07/23	
Nitrate as N	11	0.23	mg/L	11	ND	99	80-120			07/07/23	
Chloride	52	1.0	mg/L	50	1.9	100	80-120			07/07/23	
Nitrite as N	0.48	0.050	mg/L	0.50	ND	95	80-120			07/07/23	
Sulfate as SO4	51	1.0	mg/L	50	1.6	98	80-120			07/07/23	

Matrix Spike (AGG0290-MS2), Source: SGG0092-01

Fluoride	0.54	0.10	mg/L	0.50	ND	107	80-120			07/07/23	
Nitrate as N	11	0.23	mg/L	11	ND	98	80-120			07/07/23	
Chloride	50	1.0	mg/L	50	ND	99	80-120			07/07/23	
Nitrite as N	0.48	0.050	mg/L	0.50	ND	96	80-120			07/07/23	
Sulfate as SO4	50	1.0	mg/L	50	1.2	97	80-120			07/07/23	

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.

SGG0092 FINAL 07252023 2003



BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

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

EPA 300.0 - Quality Control

Batch: AGG0290

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: GJA

Matrix Spike Dup (AGG0290-MSD1), Source: AGG0435-01

Fluoride	0.64	0.10	mg/L	0.50	ND	113	80-120	5	10	07/07/23	
Nitrate as N	12	0.23	mg/L	11	ND	105	80-120	5	20	07/07/23	
Chloride	55	1.0	mg/L	50	1.9	105	80-120	5	20	07/07/23	
Nitrite as N	0.51	0.050	mg/L	0.50	ND	101	80-120	6	20	07/07/23	
Sulfate as SO4	54	1.0	mg/L	50	1.6	104	80-120	5	20	07/07/23	

Matrix Spike Dup (AGG0290-MSD2), Source: SGG0092-01

Fluoride	0.52	0.10	mg/L	0.50	ND	105	80-120	2	10	07/07/23	
Nitrate as N	11	0.23	mg/L	11	ND	95	80-120	3	20	07/07/23	
Chloride	49	1.0	mg/L	50	ND	97	80-120	3	20	07/07/23	
Nitrite as N	0.47	0.050	mg/L	0.50	ND	94	80-120	3	20	07/07/23	
Sulfate as SO4	49	1.0	mg/L	50	1.2	95	80-120	3	20	07/07/23	

EPA 314.0 - Quality Control

Batch: AGG1020

Prepared: 7/17/2023

Prep Method: Method Specific Preparation

Analyst: CTD

Blank (AGG1020-BLK1)

Perchlorate	ND	0.50	ug/L							07/17/23	
-------------	----	------	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG1020-BS1)

Perchlorate	17	0.50	ug/L	15	ND	111	85-115			07/17/23	
-------------	----	------	------	----	----	-----	--------	--	--	----------	--

Matrix Spike (AGG1020-MS1), Source: AGG0499-01

Perchlorate	4.3	0.50	ug/L	5.0	ND	85	80-120			07/18/23	
-------------	-----	------	------	-----	----	----	--------	--	--	----------	--

Matrix Spike Dup (AGG1020-MSD1), Source: AGG0499-01

Perchlorate	4.5	0.50	ug/L	5.0	ND	91	80-120	6	15	07/18/23	
-------------	-----	------	------	-----	----	----	--------	---	----	----------	--

SM 2120B - Quality Control

Batch: AGG0364

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: BCB

Blank (AGG0364-BLK1)

Color, Apparent	ND	5.0	CU							07/07/23	
-----------------	----	-----	----	--	--	--	--	--	--	----------	--

Duplicate (AGG0364-DUP1), Source: AGG0491-01

Color, Apparent	ND	5.0	CU		ND				20	07/07/23	
-----------------	----	-----	----	--	----	--	--	--	----	----------	--

Duplicate (AGG0364-DUP2), Source: AGG0731-01

Color, Apparent	ND	5.0	CU		ND				20	07/07/23	
-----------------	----	-----	----	--	----	--	--	--	----	----------	--

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.



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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

SM 2130B - Quality Control

Batch: AGG0364

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: BCB

Blank (AGG0364-BLK1)

Turbidity	ND	0.10	NTU							07/07/23	
-----------	----	------	-----	--	--	--	--	--	--	----------	--

Duplicate (AGG0364-DUP1), Source: AGG0491-01

Turbidity	0.93	0.10	NTU		1.3			35	20	07/07/23	DP1.1
-----------	------	------	-----	--	-----	--	--	----	----	----------	-------

SM 2320B - Quality Control

Batch: AGG0342

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: EFG

Blank (AGG0342-BLK1)

Alkalinity as CaCO3	ND	3.0	mg/L							07/07/23	
Bicarbonate as CaCO3	ND	3.0	mg/L							07/07/23	
Carbonate as CaCO3	ND	3.0	mg/L							07/07/23	
Hydroxide as CaCO3	ND	3.0	mg/L							07/07/23	

Blank Spike (AGG0342-BS1)

Alkalinity as CaCO3	98	3.0	mg/L	100	ND	98	80-120			07/07/23	
---------------------	----	-----	------	-----	----	----	--------	--	--	----------	--

Blank Spike Dup (AGG0342-BSD1)

Alkalinity as CaCO3	99	3.0	mg/L	100	ND	99	80-120	2	20	07/07/23	
---------------------	----	-----	------	-----	----	----	--------	---	----	----------	--

Duplicate (AGG0342-DUP1), Source: SGG0092-01

Alkalinity as CaCO3	15	3.0	mg/L		15			2	10	07/07/23	
Bicarbonate as CaCO3	15	3.0	mg/L		15			2	10	07/07/23	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	07/07/23	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	07/07/23	

SM 2510B - Quality Control

Batch: AGG0342

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: EFG

Blank Spike (AGG0342-BS1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	99	90-110			07/07/23	
--------------------	------	-----	----------	------	----	----	--------	--	--	----------	--

Blank Spike Dup (AGG0342-BSD1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	99	90-110	0	5	07/07/23	
--------------------	------	-----	----------	------	----	----	--------	---	---	----------	--

Duplicate (AGG0342-DUP1), Source: SGG0092-01

Conductivity @ 25C	33	1.0	umhos/cm		34			1	5	07/07/23	
--------------------	----	-----	----------	--	----	--	--	---	---	----------	--

SM 2540C - Quality Control

Batch: AGG0489

Prepared: 7/11/2023

Prep Method: Method Specific Preparation

Analyst: SYY

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.



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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

SM 2540C - Quality Control

Batch: AGG0489

Prepared: 7/11/2023

Prep Method: Method Specific Preparation

Analyst: SYJ

Blank (AGG0489-BLK1)

Total Dissolved Solids	ND	5.0	mg/L							07/11/23	
------------------------	----	-----	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG0489-BS1)

Total Dissolved Solids	1000		mg/L	1000		104	70-130			07/11/23	
------------------------	------	--	------	------	--	-----	--------	--	--	----------	--

Duplicate (AGG0489-DUP1), Source: AGG0554-01

Total Dissolved Solids	250	5.0	mg/L		240			2	10	07/11/23	
------------------------	-----	-----	------	--	-----	--	--	---	----	----------	--

Duplicate (AGG0489-DUP2), Source: AGG0613-03

Total Dissolved Solids	2900	5.0	mg/L		2900			0	10	07/11/23	
------------------------	------	-----	------	--	------	--	--	---	----	----------	--

SM 4500-CN E - Quality Control

Batch: AGG0593

Prepared: 7/12/2023

Prep Method: Total Cyanide Distillation

Analyst: ERA

Blank (AGG0593-BLK1)

Cyanide (total)	ND	5.0	ug/L							07/13/23	
-----------------	----	-----	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG0593-BS1)

Cyanide (total)	230	5.0	ug/L	250	ND	90	80-120			07/13/23	
-----------------	-----	-----	------	-----	----	----	--------	--	--	----------	--

Blank Spike Dup (AGG0593-BSD1)

Cyanide (total)	240	5.0	ug/L	250	ND	94	80-120	4	20	07/13/23	
-----------------	-----	-----	------	-----	----	----	--------	---	----	----------	--

Matrix Spike (AGG0593-MS1), Source: AGG0490-01

Cyanide (total)	250	5.0	ug/L	250	ND	98	80-120			07/13/23	
-----------------	-----	-----	------	-----	----	----	--------	--	--	----------	--

Matrix Spike Dup (AGG0593-MSD1), Source: AGG0490-01

Cyanide (total)	240	5.0	ug/L	250	ND	96	80-120	3	20	07/13/23	
-----------------	-----	-----	------	-----	----	----	--------	---	----	----------	--

SM 4500-H+ B - Quality Control

Batch: AGG0342

Prepared: 7/7/2023

Prep Method: Method Specific Preparation

Analyst: EFG

Duplicate (AGG0342-DUP1), Source: SGG0092-01

pH (1)	6.92	0.0	pH Units		7.20			4		07/07/23	DP1.1
--------	------	-----	----------	--	------	--	--	---	--	----------	-------

SM 5540C - Quality Control

Batch: AGG0289

Prepared: 7/6/2023

Prep Method: Method Specific Preparation

Analyst: PXC

Blank (AGG0289-BLK1)

MBAS, Calculated as LAS, mol wt 340	ND	0.050	mg/L							07/07/23	
-------------------------------------	----	-------	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG0289-BS1)

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.

SGG0092 FINAL 07252023 2003



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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

SM 5540C - Quality Control

Batch: AGG0289

Prepared: 7/6/2023

Prep Method: Method Specific Preparation

Analyst: PXC

Blank Spike (AGG0289-BS1)

MBAS, Calculated as LAS, mol wt 340 0.86 0.050 mg/L 1.0 ND 86 82-112 07/07/23

Blank Spike Dup (AGG0289-BSD1)

MBAS, Calculated as LAS, mol wt 340 0.87 0.050 mg/L 1.0 ND 87 82-112 1 20 07/07/23

Matrix Spike (AGG0289-MS1), Source: AGG0426-01

MBAS, Calculated as LAS, mol wt 340 0.84 0.050 mg/L 1.0 ND 84 80-112 07/07/23

Matrix Spike Dup (AGG0289-MSD1), Source: AGG0426-01

MBAS, Calculated as LAS, mol wt 340 0.91 0.050 mg/L 1.0 ND 91 80-112 9 20 07/07/23

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.

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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 200.7 - Quality Control

Batch: AGG0519

Prepared: 7/11/2023

Prep Method: EPA 200.2

Analyst: SAB

Blank (AGG0519-BLK2)

Aluminum	ND	50	ug/L							07/12/23	
Barium	ND	50	ug/L							07/12/23	
Calcium	ND	0.10	mg/L							07/12/23	
Iron	ND	30	ug/L							07/12/23	
Potassium	ND	2.0	mg/L							07/12/23	
Magnesium	ND	0.10	mg/L							07/12/23	
Manganese	ND	10	ug/L							07/12/23	
Sodium	ND	1.0	mg/L							07/12/23	
Zinc	ND	50	ug/L							07/12/23	

Blank Spike (AGG0519-BS2)

Aluminum	210	50	ug/L	240	ND	88	85-115			07/12/23	
Barium	240	50	ug/L	240	ND	101	85-115			07/12/23	
Calcium	4.4	0.10	mg/L	4.8	ND	92	85-115			07/12/23	
Iron	240	30	ug/L	240	ND	100	85-115			07/12/23	
Potassium	4.9	2.0	mg/L	4.8	ND	103	85-115			07/12/23	
Magnesium	4.4	0.10	mg/L	4.8	ND	91	85-115			07/12/23	
Manganese	240	10	ug/L	240	ND	102	85-115			07/12/23	
Sodium	4.9	1.0	mg/L	4.8	ND	103	85-115			07/12/23	
Zinc	220	50	ug/L	240	ND	90	85-115			07/12/23	

Blank Spike Dup (AGG0519-BSD2)

Aluminum	230	50	ug/L	240	ND	94	85-115	6	20	07/12/23	
Barium	240	50	ug/L	240	ND	101	85-115	0	20	07/12/23	
Calcium	4.4	0.10	mg/L	4.8	ND	92	85-115	0	20	07/12/23	
Iron	240	30	ug/L	240	ND	102	85-115	2	20	07/12/23	
Potassium	4.9	2.0	mg/L	4.8	ND	102	85-115	1	20	07/12/23	
Magnesium	4.5	0.10	mg/L	4.8	ND	94	85-115	3	20	07/12/23	
Manganese	250	10	ug/L	240	ND	104	85-115	2	20	07/12/23	
Sodium	4.9	1.0	mg/L	4.8	ND	102	85-115	1	20	07/12/23	
Zinc	220	50	ug/L	240	ND	92	85-115	2	20	07/12/23	

Matrix Spike (AGG0519-MS3), Source: AGG0182-01

Aluminum	240	50	ug/L	240	ND	100	70-130			07/12/23	
Barium	270	50	ug/L	240	ND	100	70-130			07/12/23	
Calcium	20	0.10	mg/L	4.8	16	97	70-130			07/12/23	
Iron	240	30	ug/L	240	ND	101	70-130			07/12/23	
Potassium	7.5	2.0	mg/L	4.8	2.8	98	70-130			07/12/23	
Magnesium	12	0.10	mg/L	4.8	7.7	99	70-130			07/12/23	
Manganese	250	10	ug/L	240	ND	104	70-130			07/12/23	
Sodium	42	1.0	mg/L	4.8	37	107	70-130			07/12/23	
Zinc	230	50	ug/L	240	ND	95	70-130			07/12/23	

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.

**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 200.7 - Quality Control

Batch: AGG0519

Prepared: 7/11/2023

Prep Method: EPA 200.2

Analyst: SAB

Matrix Spike Dup (AGG0519-MSD3), Source: AGG0182-01

Aluminum	220	50	ug/L	240	ND	92	70-130	9	20	07/12/23	
Barium	270	50	ug/L	240	ND	100	70-130	0	20	07/12/23	
Calcium	20	0.10	mg/L	4.8	16	92	70-130	1	20	07/12/23	
Iron	240	30	ug/L	240	ND	101	70-130	1	20	07/12/23	
Potassium	7.4	2.0	mg/L	4.8	2.8	97	70-130	1	20	07/12/23	
Magnesium	12	0.10	mg/L	4.8	7.7	93	70-130	2	20	07/12/23	
Manganese	250	10	ug/L	240	ND	103	70-130	1	20	07/12/23	
Sodium	41	1.0	mg/L	4.8	37	90	70-130	2	20	07/12/23	
Zinc	220	50	ug/L	240	ND	92	70-130	3	20	07/12/23	

EPA 200.8 - Quality Control

Batch: AGG0519

Prepared: 7/11/2023

Prep Method: EPA 200.2

Analyst: AHS

Blank (AGG0519-BLK1)

Beryllium	ND	1.0	ug/L							07/12/23	
Chromium	ND	10	ug/L							07/12/23	
Nickel	ND	10	ug/L							07/12/23	
Copper	ND	5.0	ug/L							07/12/23	
Arsenic	ND	2.0	ug/L							07/12/23	
Selenium	ND	2.0	ug/L							07/12/23	
Silver	ND	10	ug/L							07/12/23	
Cadmium	ND	1.0	ug/L							07/12/23	
Antimony	ND	2.0	ug/L							07/12/23	
Thallium	ND	1.0	ug/L							07/12/23	
Lead	ND	1.0	ug/L							07/12/23	
Mercury	ND	0.20	ug/L							07/12/23	

Blank Spike (AGG0519-BS1)

Beryllium	250	1.0	ug/L	240	ND	105	85-115			07/12/23	
Chromium	220	10	ug/L	240	ND	94	85-115			07/12/23	
Nickel	220	10	ug/L	240	ND	90	85-115			07/12/23	
Copper	220	5.0	ug/L	240	ND	92	85-115			07/12/23	
Arsenic	220	2.0	ug/L	240	ND	93	85-115			07/12/23	
Selenium	220	2.0	ug/L	240	ND	94	85-115			07/12/23	
Silver	110	10	ug/L	120	ND	93	75-125			07/12/23	
Cadmium	230	1.0	ug/L	240	ND	94	85-115			07/12/23	
Antimony	250	2.0	ug/L	240	ND	103	85-115			07/12/23	
Thallium	240	1.0	ug/L	240	ND	98	85-115			07/12/23	
Lead	230	1.0	ug/L	240	ND	94	85-115			07/12/23	
Mercury	6.2	0.20	ug/L	6.0	ND	103	85-115			07/12/23	

Blank Spike Dup (AGG0519-BSD1)

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.

SGG0092 FINAL 07252023 2003



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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 200.8 - Quality Control

Batch: AGG0519

Prepared: 7/11/2023

Prep Method: EPA 200.2

Analyst: AHS

Blank Spike Dup (AGG0519-BSD1)

Beryllium	250	1.0	ug/L	240	ND	104	85-115	1	20	07/12/23	
Chromium	220	10	ug/L	240	ND	93	85-115	0	20	07/12/23	
Nickel	220	10	ug/L	240	ND	90	85-115	0	20	07/12/23	
Copper	220	5.0	ug/L	240	ND	91	85-115	1	20	07/12/23	
Arsenic	230	2.0	ug/L	240	ND	95	85-115	1	20	07/12/23	
Selenium	230	2.0	ug/L	240	ND	94	85-115	0	20	07/12/23	
Silver	110	10	ug/L	120	ND	93	75-125	1	20	07/12/23	
Cadmium	220	1.0	ug/L	240	ND	94	85-115	0	20	07/12/23	
Antimony	250	2.0	ug/L	240	ND	104	85-115	0	20	07/12/23	
Thallium	240	1.0	ug/L	240	ND	100	85-115	2	20	07/12/23	
Lead	230	1.0	ug/L	240	ND	97	85-115	3	20	07/12/23	
Mercury	6.7	0.20	ug/L	6.0	ND	112	85-115	8	20	07/12/23	

Matrix Spike (AGG0519-MS1), Source: AGG0182-01

Beryllium	250	1.0	ug/L	240	ND	105	70-130			07/12/23	
Chromium	220	10	ug/L	240	ND	93	70-130			07/12/23	
Nickel	220	10	ug/L	240	ND	91	70-130			07/12/23	
Copper	220	5.0	ug/L	240	ND	91	70-130			07/12/23	
Arsenic	230	2.0	ug/L	240	2.1	96	70-130			07/12/23	
Selenium	230	2.0	ug/L	240	ND	96	70-130			07/12/23	
Silver	110	10	ug/L	120	ND	95	70-130			07/12/23	
Cadmium	230	1.0	ug/L	240	ND	95	70-130			07/12/23	
Antimony	260	2.0	ug/L	240	ND	108	70-130			07/12/23	
Thallium	240	1.0	ug/L	240	ND	99	70-130			07/12/23	
Lead	230	1.0	ug/L	240	ND	97	70-130			07/12/23	
Mercury	6.5	0.20	ug/L	6.0	ND	108	70-130			07/12/23	

Matrix Spike (AGG0519-MS2), Source: AGG0207-12

Beryllium	250	1.0	ug/L	240	ND	103	70-130			07/12/23	
Chromium	220	10	ug/L	240	ND	93	70-130			07/12/23	
Nickel	220	10	ug/L	240	ND	91	70-130			07/12/23	
Copper	500	5.0	ug/L	240	300	80	70-130			07/12/23	
Arsenic	220	2.0	ug/L	240	ND	93	70-130			07/12/23	
Selenium	220	2.0	ug/L	240	ND	93	70-130			07/12/23	
Silver	110	10	ug/L	120	ND	96	70-130			07/12/23	
Cadmium	230	1.0	ug/L	240	ND	94	70-130			07/12/23	
Antimony	250	2.0	ug/L	240	ND	104	70-130			07/12/23	
Thallium	240	1.0	ug/L	240	ND	99	70-130			07/12/23	
Lead	230	1.0	ug/L	240	ND	97	70-130			07/12/23	
Mercury	6.2	0.20	ug/L	6.0	ND	104	70-130			07/12/23	

Matrix Spike Dup (AGG0519-MSD1), Source: AGG0182-01

Beryllium	250	1.0	ug/L	240	ND	103	70-130	3	20	07/12/23	
-----------	-----	-----	------	-----	----	-----	--------	---	----	----------	--

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.



**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 200.8 - Quality Control

Batch: AGG0519

Prepared: 7/11/2023

Prep Method: EPA 200.2

Analyst: AHS

Matrix Spike Dup (AGG0519-MSD1), Source: AGG0182-01

Chromium	230	10	ug/L	240	ND	94	70-130	2	20	07/12/23	
Nickel	210	10	ug/L	240	ND	87	70-130	4	20	07/12/23	
Copper	220	5.0	ug/L	240	ND	88	70-130	3	20	07/12/23	
Arsenic	230	2.0	ug/L	240	2.1	93	70-130	2	20	07/12/23	
Selenium	220	2.0	ug/L	240	ND	92	70-130	5	20	07/12/23	
Silver	110	10	ug/L	120	ND	90	70-130	5	20	07/12/23	
Cadmium	220	1.0	ug/L	240	ND	93	70-130	2	20	07/12/23	
Antimony	250	2.0	ug/L	240	ND	104	70-130	4	20	07/12/23	
Thallium	220	1.0	ug/L	240	ND	94	70-130	6	20	07/12/23	
Lead	220	1.0	ug/L	240	ND	94	70-130	3	20	07/12/23	
Mercury	6.5	0.20	ug/L	6.0	ND	109	70-130	1	20	07/12/23	

Matrix Spike Dup (AGG0519-MSD2), Source: AGG0207-12

Beryllium	250	1.0	ug/L	240	ND	102	70-130	1	20	07/12/23	
Chromium	220	10	ug/L	240	ND	93	70-130	0	20	07/12/23	
Nickel	220	10	ug/L	240	ND	92	70-130	1	20	07/12/23	
Copper	520	5.0	ug/L	240	300	88	70-130	4	20	07/12/23	
Arsenic	230	2.0	ug/L	240	ND	94	70-130	1	20	07/12/23	
Selenium	230	2.0	ug/L	240	ND	94	70-130	2	20	07/12/23	
Silver	120	10	ug/L	120	ND	96	70-130	0	20	07/12/23	
Cadmium	230	1.0	ug/L	240	ND	95	70-130	1	20	07/12/23	
Antimony	250	2.0	ug/L	240	ND	104	70-130	0	20	07/12/23	
Thallium	230	1.0	ug/L	240	ND	94	70-130	4	20	07/12/23	
Lead	220	1.0	ug/L	240	ND	92	70-130	5	20	07/12/23	
Mercury	6.4	0.20	ug/L	6.0	ND	106	70-130	2	20	07/12/23	

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.



**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 504.1 - Quality Control

Batch: AGG0478

Prepared: 7/10/2023

Prep Method: EPA 504/505

Analyst: VTL

Blank (AGG0478-BLK1)

Ethylene Dibromide (EDB)	ND	0.020	ug/L							07/11/23	
Dibromochloropropane (DBCP)	ND	0.010	ug/L							07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.0063			0.46		1	70-130			07/11/23	SR.x Low

Blank Spike (AGG0478-BS1)

Ethylene Dibromide (EDB)	0.11	0.020	ug/L	0.10	ND	106	70-130			07/11/23	
Dibromochloropropane (DBCP)	0.099	0.010	ug/L	0.10	ND	99	70-130			07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			07/11/23	

Blank Spike Dup (AGG0478-BSD1)

Ethylene Dibromide (EDB)	0.094	0.020	ug/L	0.10	ND	94	70-130	12	20	07/12/23	
Dibromochloropropane (DBCP)	0.086	0.010	ug/L	0.10	ND	86	70-130	14	20	07/12/23	
Surrogate: 1-Br-2-Nitrobenzene	0.41			0.46		89	70-130			07/12/23	

Matrix Spike (AGG0478-MS1), Source: SGG0092-01

Ethylene Dibromide (EDB)	0.11	0.020	ug/L	0.10	ND	108	65-135			07/11/23	
Dibromochloropropane (DBCP)	0.097	0.010	ug/L	0.10	ND	97	65-135			07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.41			0.46		88	70-130			07/11/23	

Matrix Spike Dup (AGG0478-MSD1), Source: SGG0092-01

Ethylene Dibromide (EDB)	0.099	0.020	ug/L	0.099	ND	99	65-135	9	20	07/11/23	
Dibromochloropropane (DBCP)	0.089	0.010	ug/L	0.099	ND	90	65-135	9	20	07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.39			0.45		86	70-130			07/11/23	

EPA 504.1 - Quality Control

Batch: AGG0674

Prepared: 7/12/2023

Prep Method: EPA 504/505

Analyst: VTL

Blank (AGG0674-BLK1)

Ethylene Dibromide (EDB)	ND	0.020	ug/L							07/13/23	
Dibromochloropropane (DBCP)	ND	0.010	ug/L							07/13/23	
Surrogate: 1-Br-2-Nitrobenzene	0.37			0.46		82	70-130			07/13/23	

Blank Spike (AGG0674-BS1)

Ethylene Dibromide (EDB)	0.098	0.020	ug/L	0.10	ND	98	70-130			07/13/23	
Dibromochloropropane (DBCP)	0.088	0.010	ug/L	0.10	ND	88	70-130			07/13/23	
Surrogate: 1-Br-2-Nitrobenzene	0.42			0.46		91	70-130			07/13/23	

Blank Spike Dup (AGG0674-BSD1)

Ethylene Dibromide (EDB)	0.11	0.020	ug/L	0.10	ND	109	70-130	10	20	07/13/23	
Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	100	70-130	13	20	07/13/23	
Surrogate: 1-Br-2-Nitrobenzene	0.52			0.46		114	70-130			07/13/23	

Matrix Spike (AGG0674-MS1), Source: AGG0978-01

Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	101	65-135			07/13/23	
--------------------------	------	-------	------	------	----	-----	--------	--	--	----------	--

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.

SGG0092 FINAL 07252023 2003

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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 504.1 - Quality Control

Batch: AGG0674

Prepared: 7/12/2023

Prep Method: EPA 504/505

Analyst: VTL

Matrix Spike (AGG0674-MS1), Source: AGG0978-01

Dibromochloropropane (DBCP)	0.11	0.010	ug/L	0.10	0.017	87	65-135			07/13/23	
Surrogate: 1-Br-2-Nitrobenzene	0.43			0.46		93	70-130			07/13/23	

EPA 505 - Quality Control

Batch: AGG0478

Prepared: 7/10/2023

Prep Method: EPA 504/505

Analyst: VTL

Blank (AGG0478-BLK1)

Aldrin	ND	0.075	ug/L							07/11/23	
Chlordane (Technical)	ND	0.10	ug/L							07/11/23	
Dieldrin	ND	0.020	ug/L							07/11/23	
Endrin	ND	0.10	ug/L							07/11/23	
Heptachlor	ND	0.010	ug/L							07/11/23	
Heptachlor Epoxide	ND	0.010	ug/L							07/11/23	
Hexachlorobenzene	ND	0.50	ug/L							07/11/23	
Hexachlorocyclopentadiene	ND	1.0	ug/L							07/11/23	
Lindane	ND	0.20	ug/L							07/11/23	
Methoxychlor	ND	10	ug/L							07/11/23	
PCB Aroclor Screen	ND	0.50	ug/L							07/11/23	
Toxaphene	ND	1.0	ug/L							07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.0063			0.46		1	70-130			07/11/23	SR.x Low

Blank Spike (AGG0478-BS1)

Aldrin	0.79	0.075	ug/L	0.74	ND	107	70-130			07/11/23	
Dieldrin	0.21	0.020	ug/L	0.20	ND	107	70-130			07/11/23	
Endrin	0.090	0.10	ug/L	0.10	ND	90	70-130			07/11/23	
Heptachlor	0.10	0.010	ug/L	0.10	ND	102	70-130			07/11/23	
Heptachlor Epoxide	0.10	0.010	ug/L	0.10	ND	104	70-130			07/11/23	
Hexachlorobenzene	1.0	0.50	ug/L	1.0	ND	105	70-130			07/11/23	
Hexachlorocyclopentadiene	0.94	1.0	ug/L	1.0	ND	94	70-130			07/11/23	
Lindane	0.21	0.20	ug/L	0.20	ND	106	70-130			07/11/23	
Methoxychlor	1.0	10	ug/L	1.0	ND	101	70-130			07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			07/11/23	

Blank Spike Dup (AGG0478-BSD1)

Aldrin	0.69	0.075	ug/L	0.74	ND	93	70-130	14	20	07/12/23	
Dieldrin	0.18	0.020	ug/L	0.20	ND	90	70-130	17	20	07/12/23	
Endrin	0.093	0.10	ug/L	0.10	ND	93	70-130	3	20	07/12/23	
Heptachlor	0.091	0.010	ug/L	0.10	ND	91	70-130	11	20	07/12/23	
Heptachlor Epoxide	0.088	0.010	ug/L	0.10	ND	88	70-130	17	20	07/12/23	
Hexachlorobenzene	0.91	0.50	ug/L	1.0	ND	91	70-130	14	20	07/12/23	
Hexachlorocyclopentadiene	0.95	1.0	ug/L	1.0	ND	95	70-130	1	20	07/12/23	
Lindane	0.18	0.20	ug/L	0.20	ND	90	70-130	16	20	07/12/23	
Methoxychlor	0.83	10	ug/L	1.0	ND	83	70-130	20	20	07/12/23	

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.

SGG0092 FINAL 07252023 2003

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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 505 - Quality Control

Batch: AGG0478

Prepared: 7/10/2023

Prep Method: EPA 504/505

Analyst: VTL

Blank Spike Dup (AGG0478-BSD1)

Surrogate: 1-Br-2-Nitrobenzene 0.41 0.46 89 70-130 07/12/23

Matrix Spike (AGG0478-MS1), Source: SGG0092-01

Aldrin	0.82	0.075	ug/L	0.75	ND	110	65-135			07/11/23	
Dieldrin	0.22	0.020	ug/L	0.20	ND	111	65-135			07/11/23	
Endrin	0.085	0.10	ug/L	0.10	ND	84	65-135			07/11/23	
Heptachlor	0.10	0.010	ug/L	0.10	ND	103	65-135			07/11/23	
Heptachlor Epoxide	0.10	0.010	ug/L	0.10	ND	103	65-135			07/11/23	
Hexachlorobenzene	1.0	0.50	ug/L	1.0	ND	102	65-135			07/11/23	
Hexachlorocyclopentadiene	0.96	1.0	ug/L	1.0	ND	95	65-135			07/11/23	
Lindane	0.21	0.20	ug/L	0.20	ND	102	65-135			07/11/23	
Methoxychlor	1.0	10	ug/L	1.0	ND	100	65-135			07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.41			0.46		88	70-130			07/11/23	

Matrix Spike Dup (AGG0478-MSD1), Source: SGG0092-01

Aldrin	0.76	0.075	ug/L	0.74	ND	103	65-135	8	20	07/11/23	
Dieldrin	0.20	0.020	ug/L	0.20	ND	101	65-135	11	20	07/11/23	
Endrin	0.082	0.10	ug/L	0.099	ND	82	65-135	4	20	07/11/23	
Heptachlor	0.099	0.010	ug/L	0.099	ND	99	65-135	5	20	07/11/23	
Heptachlor Epoxide	0.097	0.010	ug/L	0.099	ND	98	65-135	6	20	07/11/23	
Hexachlorobenzene	0.94	0.50	ug/L	0.99	ND	95	65-135	9	20	07/11/23	
Hexachlorocyclopentadiene	0.87	1.0	ug/L	0.99	ND	87	65-135	10	20	07/11/23	
Lindane	0.19	0.20	ug/L	0.20	ND	94	65-135	10	20	07/11/23	
Methoxychlor	1.0	10	ug/L	0.99	ND	101	65-135	0	20	07/11/23	
Surrogate: 1-Br-2-Nitrobenzene	0.39			0.45		86	70-130			07/11/23	

EPA 515.4 - Quality Control

Batch: AGG0624

Prepared: 7/12/2023

Prep Method: EPA 515.4

Analyst: PNN

Blank (AGG0624-BLK1)

2,4,5-T	ND	1.0	ug/L							07/13/23	
2,4,5-TP (Silvex)	ND	1.0	ug/L							07/13/23	
2,4-D	ND	10	ug/L							07/13/23	
Bentazon	ND	2.0	ug/L							07/13/23	
Dalapon	ND	10	ug/L							07/13/23	
Dicamba	ND	1.5	ug/L							07/13/23	
Dinoseb	ND	2.0	ug/L							07/13/23	
Pentachlorophenol	ND	0.20	ug/L							07/13/23	
Picloram	ND	1.0	ug/L							07/13/23	
Surrogate: DCPAA	30			36		83	70-130			07/13/23	

Matrix Spike (AGG0624-MS1), Source: AGF3974-01

2,4,5-T 1.7 1.0 ug/L 1.6 ND 107 70-130 07/13/23

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.

SGG0092 FINAL 07252023 2003

**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 515.4 - Quality Control

Batch: AGG0624

Prepared: 7/12/2023

Prep Method: EPA 515.4

Analyst: PNN

Matrix Spike (AGG0624-MS1), Source: AGF3974-01

2,4,5-TP (Silvex)	0.82	1.0	ug/L	0.80	ND	103	70-130			07/13/23	
2,4-D	0.44	10	ug/L	0.40	ND	111	70-130			07/13/23	
Bentazon	2.2	2.0	ug/L	2.0	ND	111	70-130			07/13/23	
Dalapon	4.6	10	ug/L	4.0	ND	115	70-130			07/13/23	
Dicamba	0.80	1.5	ug/L	0.80	ND	101	70-130			07/13/23	
Dinoseb	0.86	2.0	ug/L	0.80	ND	108	70-130			07/13/23	
Pentachlorophenol	0.17	0.20	ug/L	0.16	ND	104	70-130			07/13/23	
Picloram	0.43	1.0	ug/L	0.40	ND	109	70-130			07/13/23	
Surrogate: DCPAA	39			36		109	70-130			07/13/23	

Matrix Spike Dup (AGG0624-MSD1), Source: AGF3974-01

2,4,5-T	1.7	1.0	ug/L	1.6	ND	105	70-130	2	30	07/13/23	
2,4,5-TP (Silvex)	0.83	1.0	ug/L	0.80	ND	103	70-130	1	30	07/13/23	
2,4-D	0.43	10	ug/L	0.40	ND	107	70-130	3	30	07/13/23	
Bentazon	2.2	2.0	ug/L	2.0	ND	110	70-130	1	30	07/13/23	
Dalapon	4.3	10	ug/L	4.0	ND	108	70-130	6	30	07/13/23	
Dicamba	0.81	1.5	ug/L	0.80	ND	102	70-130	1	30	07/13/23	
Dinoseb	0.89	2.0	ug/L	0.80	ND	111	70-130	3	30	07/13/23	
Pentachlorophenol	0.17	0.20	ug/L	0.16	ND	107	70-130	2	30	07/13/23	
Picloram	0.40	1.0	ug/L	0.40	ND	101	70-130	8	30	07/13/23	
Surrogate: DCPAA	40			36		111	70-130			07/13/23	

EPA 524.2 - Quality Control

Batch: AGG0360

Prepared: 7/7/2023

Prep Method: EPA 524.2

Analyst: CMH

Blank (AGG0360-BLK1)

1,1,1-Trichloroethane	ND	0.50	ug/L							07/07/23	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							07/07/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							07/07/23	
1,1,2-Trichloroethane	ND	0.50	ug/L							07/07/23	
1,1-Dichloroethane	ND	0.50	ug/L							07/07/23	
1,1-Dichloroethene	ND	0.50	ug/L							07/07/23	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							07/07/23	
1,2-Dichlorobenzene	ND	0.50	ug/L							07/07/23	
1,2-Dichloroethane	ND	0.50	ug/L							07/07/23	
1,2-Dichloropropane	ND	0.50	ug/L							07/07/23	
1,4-Dichlorobenzene	ND	0.50	ug/L							07/07/23	
Benzene	ND	0.50	ug/L							07/07/23	
Carbon Tetrachloride	ND	0.50	ug/L							07/07/23	
Chlorobenzene	ND	0.50	ug/L							07/07/23	
cis-1,2-Dichloroethene	ND	0.50	ug/L							07/07/23	
cis-1,3-Dichloropropene	ND	0.50	ug/L							07/07/23	

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.

SGG0092 FINAL 07252023 2003

**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 524.2 - Quality Control

Batch: AGG0360
Prep Method: EPA 524.2

Prepared: 7/7/2023
Analyst: CMH

Blank (AGG0360-BLK1)

Dichloromethane	ND	0.50	ug/L							07/07/23	
Ethylbenzene	ND	0.50	ug/L							07/07/23	
m,p-Xylenes	ND	0.50	ug/L							07/07/23	
Methyl-t-butyl ether	ND	0.50	ug/L							07/07/23	
o-Xylene	ND	0.50	ug/L							07/07/23	
Styrene	ND	0.50	ug/L							07/07/23	
Tetrachloroethene (PCE)	ND	0.50	ug/L							07/07/23	
Toluene	ND	0.50	ug/L							07/07/23	
trans-1,2-Dichloroethene	ND	0.50	ug/L							07/07/23	
trans-1,3-Dichloropropene	ND	0.50	ug/L							07/07/23	
Trichloroethene (TCE)	ND	0.50	ug/L							07/07/23	
Trichlorofluoromethane	ND	5.0	ug/L							07/07/23	
Vinyl Chloride	ND	0.50	ug/L							07/07/23	
Total 1,3-Dichloropropene	ND	0.50	ug/L							07/07/23	
Total Xylenes	ND	0.50	ug/L							07/07/23	
Surrogate: 1,2-Dichlorobenzene-d4	51			50		101	70-130			07/07/23	
Surrogate: Bromofluorobenzene	52			50		103	70-130			07/07/23	

Blank Spike (AGG0360-BS1)

1,1,1-Trichloroethane	9.8	0.50	ug/L	10	ND	98	70-130			07/07/23	
1,1,2,2-Tetrachloroethane	9.7	0.50	ug/L	10	ND	97	70-130			07/07/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	10	10	ug/L	10	ND	101	70-130			07/07/23	
1,1,2-Trichloroethane	9.6	0.50	ug/L	10	ND	96	70-130			07/07/23	
1,1-Dichloroethane	9.5	0.50	ug/L	10	ND	95	70-130			07/07/23	
1,1-Dichloroethene	9.8	0.50	ug/L	10	ND	98	70-130			07/07/23	
1,2,4-Trichlorobenzene	9.8	0.50	ug/L	10	ND	98	70-130			07/07/23	
1,2-Dichlorobenzene	9.6	0.50	ug/L	10	ND	96	70-130			07/07/23	
1,2-Dichloroethane	8.9	0.50	ug/L	10	ND	89	70-130			07/07/23	
1,2-Dichloropropane	9.5	0.50	ug/L	10	ND	95	70-130			07/07/23	
1,4-Dichlorobenzene	9.5	0.50	ug/L	10	ND	95	70-130			07/07/23	
Benzene	9.4	0.50	ug/L	10	ND	94	70-130			07/07/23	
Carbon Tetrachloride	9.9	0.50	ug/L	10	ND	99	70-130			07/07/23	
Chlorobenzene	9.4	0.50	ug/L	10	ND	94	70-130			07/07/23	
cis-1,2-Dichloroethene	9.4	0.50	ug/L	10	ND	94	70-130			07/07/23	
cis-1,3-Dichloropropene	9.5	0.50	ug/L	10	ND	95	70-130			07/07/23	
Dichloromethane	9.7	0.50	ug/L	10	ND	97	70-130			07/07/23	
Ethylbenzene	9.6	0.50	ug/L	10	ND	96	70-130			07/07/23	
m,p-Xylenes	19	0.50	ug/L	20	ND	96	70-130			07/07/23	
Methyl-t-butyl ether	17	0.50	ug/L	20	ND	87	70-130			07/07/23	
o-Xylene	9.4	0.50	ug/L	10	ND	94	70-130			07/07/23	
Styrene	9.4	0.50	ug/L	10	ND	94	70-130			07/07/23	
Tetrachloroethene (PCE)	9.8	0.50	ug/L	10	ND	98	70-130			07/07/23	
Toluene	9.3	0.50	ug/L	10	ND	93	70-130			07/07/23	

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.

SGG0092 FINAL 07252023 2003

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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 524.2 - Quality Control

Batch: AGG0360

Prepared: 7/7/2023

Prep Method: EPA 524.2

Analyst: CMH

Blank Spike (AGG0360-BS1)

trans-1,2-Dichloroethene	9.6	0.50	ug/L	10	ND	96	70-130			07/07/23	
trans-1,3-Dichloropropene	9.5	0.50	ug/L	10	ND	95	70-130			07/07/23	
Trichloroethene (TCE)	9.6	0.50	ug/L	10	ND	96	70-130			07/07/23	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	100	70-130			07/07/23	
Vinyl Chloride	9.8	0.50	ug/L	10	ND	98	70-130			07/07/23	
Surrogate: 1,2-Dichlorobenzene-d4	51			50		101	70-130			07/07/23	
Surrogate: Bromofluorobenzene	51			50		102	70-130			07/07/23	

Blank Spike Dup (AGG0360-BSD1)

1,1,1-Trichloroethane	10	0.50	ug/L	10	ND	100	70-130	2	30	07/07/23	
1,1,2,2-Tetrachloroethane	9.6	0.50	ug/L	10	ND	96	70-130	0	30	07/07/23	
1,1,2-Trichloro-1,2,2-trifluoroethane	10	10	ug/L	10	ND	103	70-130	3	30	07/07/23	
1,1,2-Trichloroethane	9.6	0.50	ug/L	10	ND	96	70-130	0	30	07/07/23	
1,1-Dichloroethane	9.7	0.50	ug/L	10	ND	97	70-130	2	30	07/07/23	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	101	70-130	3	30	07/07/23	
1,2,4-Trichlorobenzene	9.7	0.50	ug/L	10	ND	97	70-130	1	30	07/07/23	
1,2-Dichlorobenzene	9.5	0.50	ug/L	10	ND	95	70-130	0	30	07/07/23	
1,2-Dichloroethane	8.9	0.50	ug/L	10	ND	89	70-130	0	30	07/07/23	
1,2-Dichloropropane	9.7	0.50	ug/L	10	ND	97	70-130	1	30	07/07/23	
1,4-Dichlorobenzene	9.7	0.50	ug/L	10	ND	97	70-130	1	30	07/07/23	
Benzene	9.6	0.50	ug/L	10	ND	96	70-130	2	30	07/07/23	
Carbon Tetrachloride	10	0.50	ug/L	10	ND	102	70-130	3	30	07/07/23	
Chlorobenzene	9.6	0.50	ug/L	10	ND	96	70-130	2	30	07/07/23	
cis-1,2-Dichloroethene	9.6	0.50	ug/L	10	ND	96	70-130	2	30	07/07/23	
cis-1,3-Dichloropropene	9.7	0.50	ug/L	10	ND	97	70-130	2	30	07/07/23	
Dichloromethane	9.6	0.50	ug/L	10	ND	96	70-130	1	30	07/07/23	
Ethylbenzene	9.8	0.50	ug/L	10	ND	98	70-130	2	30	07/07/23	
m,p-Xylenes	20	0.50	ug/L	20	ND	98	70-130	2	30	07/07/23	
Methyl-t-butyl ether	18	0.50	ug/L	20	ND	88	70-130	0	30	07/07/23	
o-Xylene	9.6	0.50	ug/L	10	ND	96	70-130	2	30	07/07/23	
Styrene	9.6	0.50	ug/L	10	ND	96	70-130	2	30	07/07/23	
Tetrachloroethene (PCE)	10	0.50	ug/L	10	ND	100	70-130	3	30	07/07/23	
Toluene	9.5	0.50	ug/L	10	ND	95	70-130	2	30	07/07/23	
trans-1,2-Dichloroethene	9.8	0.50	ug/L	10	ND	98	70-130	2	30	07/07/23	
trans-1,3-Dichloropropene	9.6	0.50	ug/L	10	ND	96	70-130	1	30	07/07/23	
Trichloroethene (TCE)	9.8	0.50	ug/L	10	ND	98	70-130	3	30	07/07/23	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	103	70-130	3	30	07/07/23	
Vinyl Chloride	10	0.50	ug/L	10	ND	101	70-130	3	30	07/07/23	
Surrogate: 1,2-Dichlorobenzene-d4	50			50		101	70-130			07/07/23	
Surrogate: Bromofluorobenzene	51			50		101	70-130			07/07/23	

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.

SGG0092 FINAL 07252023 2003

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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 525.3 - Quality Control

Batch: AGG0840
Prep Method: EPA 525.3

Prepared: 7/14/2023
Analyst: VTL

Blank (AGG0840-BLK1)

Alachlor	ND	0.20	ug/L							07/18/23	
Atrazine	ND	0.10	ug/L							07/18/23	
Benzo(a)pyrene	ND	0.020	ug/L							07/18/23	
Bis(2-ethylhexyl) adipate	ND	0.60	ug/L							07/18/23	
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/L							07/18/23	
Bromacil	ND	0.80	ug/L							07/18/23	
Butachlor	ND	0.25	ug/L							07/18/23	
Diazinon	ND	0.020	ug/L							07/18/23	
Dimethoate	ND	1.0	ug/L							07/18/23	
Metolachlor	ND	0.50	ug/L							07/18/23	
Metribuzin	ND	0.50	ug/L							07/18/23	
Molinate	ND	0.50	ug/L							07/18/23	
Propachlor	ND	0.50	ug/L							07/18/23	
Simazine	ND	0.070	ug/L							07/18/23	
Thiobencarb	ND	0.10	ug/L							07/18/23	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.87			1.0		87	70-130			07/18/23	
Surrogate: Benzo(a)pyrene-d12	0.74			1.0		74	70-130			07/18/23	
Surrogate: Triphenyl Phosphate	1.0			1.0		104	70-130			07/18/23	

Blank Spike (AGG0840-BS1)

Alachlor	1.6	0.20	ug/L	1.6	ND	100	70-130			07/18/23	
Atrazine	0.79	0.10	ug/L	0.80	ND	99	70-130			07/18/23	
Benzo(a)pyrene	0.14	0.020	ug/L	0.16	ND	90	70-130			07/18/23	
Bis(2-ethylhexyl) adipate	3.6	0.60	ug/L	3.2	ND	113	70-130			07/18/23	
Bis(2-ethylhexyl) phthalate	4.9	1.0	ug/L	4.8	ND	101	70-130			07/18/23	
Bromacil	1.1	0.80	ug/L	0.80	ND	131	70-130			07/18/23	BS High
Butachlor	0.88	0.25	ug/L	0.80	ND	111	70-130			07/18/23	
Diazinon	0.15	0.020	ug/L	0.16	ND	96	70-130			07/18/23	
Dimethoate	5.9	1.0	ug/L	6.4	ND	93	70-130			07/18/23	
Metolachlor	0.84	0.50	ug/L	0.80	ND	105	70-130			07/18/23	
Metribuzin	0.73	0.50	ug/L	0.80	ND	91	70-130			07/18/23	
Molinate	0.74	0.50	ug/L	0.80	ND	93	70-130			07/18/23	
Propachlor	0.78	0.50	ug/L	0.80	ND	97	70-130			07/18/23	
Simazine	0.56	0.070	ug/L	0.56	ND	99	70-130			07/18/23	
Thiobencarb	0.80	0.10	ug/L	0.80	ND	100	70-130			07/18/23	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.86			1.0		86	70-130			07/18/23	
Surrogate: Benzo(a)pyrene-d12	0.84			1.0		84	70-130			07/18/23	
Surrogate: Triphenyl Phosphate	1.2			1.0		116	70-130			07/18/23	

Blank Spike Dup (AGG0840-BSD1)

Alachlor	1.6	0.20	ug/L	1.6	ND	100	70-130	0	30	07/18/23	
Atrazine	0.79	0.10	ug/L	0.80	ND	99	70-130	0	30	07/18/23	
Benzo(a)pyrene	0.15	0.020	ug/L	0.16	ND	92	70-130	3	30	07/18/23	
Bis(2-ethylhexyl) adipate	3.4	0.60	ug/L	3.2	ND	105	70-130	7	30	07/18/23	

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.

SGG0092 FINAL 07252023 2003



**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 525.3 - Quality Control

Batch: AGG0840

Prepared: 7/14/2023

Prep Method: EPA 525.3

Analyst: VTL

Blank Spike Dup (AGG0840-BSD1)

Bis(2-ethylhexyl) phthalate	4.7	1.0	ug/L	4.8	ND	99	70-130	3	30	07/18/23	
Bromacil	1.0	0.80	ug/L	0.80	ND	128	70-130	2	30	07/18/23	
Butachlor	0.87	0.25	ug/L	0.80	ND	109	70-130	2	30	07/18/23	
Diazinon	0.15	0.020	ug/L	0.16	ND	93	70-130	3	30	07/18/23	
Dimethoate	6.4	1.0	ug/L	6.4	ND	99	70-130	7	30	07/18/23	
Metolachlor	0.81	0.50	ug/L	0.80	ND	101	70-130	4	30	07/18/23	
Metribuzin	0.75	0.50	ug/L	0.80	ND	93	70-130	3	30	07/18/23	
Molinate	0.76	0.50	ug/L	0.80	ND	94	70-130	2	30	07/18/23	
Propachlor	0.77	0.50	ug/L	0.80	ND	96	70-130	1	30	07/18/23	
Simazine	0.56	0.070	ug/L	0.56	ND	100	70-130	1	30	07/18/23	
Thiobencarb	0.80	0.10	ug/L	0.80	ND	100	70-130	1	30	07/18/23	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.90			1.0		90	70-130			07/18/23	
Surrogate: Benzo(a)pyrene-d12	0.78			1.0		78	70-130			07/18/23	
Surrogate: Triphenyl Phosphate	1.1			1.0		107	70-130			07/18/23	

Matrix Spike (AGG0840-MS1), Source: AGG0243-02

Alachlor	0.79	0.20	ug/L	0.76	ND	103	70-130			07/18/23	
Atrazine	0.40	0.10	ug/L	0.38	ND	100	70-130			07/18/23	
Benzo(a)pyrene	0.073	0.020	ug/L	0.076	ND	95	70-130			07/18/23	
Bis(2-ethylhexyl) adipate	1.6	0.60	ug/L	1.5	ND	96	70-130			07/18/23	
Bis(2-ethylhexyl) phthalate	2.4	1.0	ug/L	2.3	ND	107	70-130			07/18/23	
Bromacil	0.57	0.80	ug/L	0.38	ND	137	70-130			07/18/23	MS1.0 High
Butachlor	0.44	0.25	ug/L	0.38	ND	115	70-130			07/18/23	
Diazinon	0.077	0.020	ug/L	0.076	ND	101	70-130			07/18/23	
Dimethoate	3.4	1.0	ug/L	3.1	ND	110	70-130			07/18/23	
Metolachlor	0.41	0.50	ug/L	0.38	ND	107	70-130			07/18/23	
Metribuzin	0.39	0.50	ug/L	0.38	ND	102	70-130			07/18/23	
Molinate	0.37	0.50	ug/L	0.38	ND	97	70-130			07/18/23	
Propachlor	0.38	0.50	ug/L	0.38	ND	100	70-130			07/18/23	
Simazine	0.28	0.070	ug/L	0.27	ND	105	70-130			07/18/23	
Thiobencarb	0.40	0.10	ug/L	0.38	ND	100	70-130			07/18/23	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.85			0.96		89	70-130			07/18/23	
Surrogate: Benzo(a)pyrene-d12	0.83			0.96		86	70-130			07/18/23	
Surrogate: Triphenyl Phosphate	1.1			0.96		112	70-130			07/18/23	

EPA 531.1 - Quality Control

Batch: AGG0954

Prepared: 7/17/2023

Prep Method: EPA 531.1

Analyst: ynv

Blank (AGG0954-BLK1)

3-Hydroxycarbofuran	ND	1.0	ug/L							07/18/23	
Aldicarb	ND	0.50	ug/L							07/18/23	
Aldicarb Sulfone	ND	0.80	ug/L							07/18/23	
Aldicarb Sulfoxide	ND	0.50	ug/L							07/18/23	

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.

SGG0092 FINAL 07252023 2003

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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 531.1 - Quality Control

Batch: AGG0954

Prepared: 7/17/2023

Prep Method: EPA 531.1

Analyst: ynv

Blank (AGG0954-BLK1)

Carbaryl	ND	1.0	ug/L							07/18/23	
Carbofuran	ND	0.90	ug/L							07/18/23	
Methomyl	ND	1.0	ug/L							07/18/23	
Oxamyl	ND	1.0	ug/L							07/18/23	

Blank Spike (AGG0954-BS1)

3-Hydroxycarbofuran	4.0	1.0	ug/L	4.0	ND	99	80-120			07/18/23	
Aldicarb	2.1	0.50	ug/L	2.0	ND	106	80-120			07/18/23	
Aldicarb Sulfone	3.3	0.80	ug/L	3.2	ND	104	80-120			07/18/23	
Aldicarb Sulfoxide	2.0	0.50	ug/L	2.0	ND	102	80-120			07/18/23	
Carbaryl	4.0	1.0	ug/L	4.0	ND	100	80-120			07/18/23	
Carbofuran	3.6	0.90	ug/L	3.6	ND	101	80-120			07/18/23	
Methomyl	3.9	1.0	ug/L	4.0	ND	97	80-120			07/18/23	
Oxamyl	4.2	1.0	ug/L	4.0	ND	104	80-120			07/18/23	

Blank Spike Dup (AGG0954-BSD1)

3-Hydroxycarbofuran	4.0	1.0	ug/L	4.0	ND	100	80-120	1	20	07/18/23	
Aldicarb	2.0	0.50	ug/L	2.0	ND	99	80-120	7	20	07/18/23	
Aldicarb Sulfone	3.1	0.80	ug/L	3.2	ND	98	80-120	6	20	07/18/23	
Aldicarb Sulfoxide	1.9	0.50	ug/L	2.0	ND	97	80-120	5	20	07/18/23	
Carbaryl	3.8	1.0	ug/L	4.0	ND	94	80-120	6	20	07/18/23	
Carbofuran	3.5	0.90	ug/L	3.6	ND	98	80-120	3	20	07/18/23	
Methomyl	3.7	1.0	ug/L	4.0	ND	93	80-120	5	20	07/18/23	
Oxamyl	4.0	1.0	ug/L	4.0	ND	100	80-120	4	20	07/18/23	

Matrix Spike (AGG0954-MS1), Source: AGG0426-01

3-Hydroxycarbofuran	3.9	1.0	ug/L	4.0	ND	98	65-135			07/18/23	
Aldicarb	2.1	0.50	ug/L	2.0	ND	106	65-135			07/18/23	
Aldicarb Sulfone	3.3	0.80	ug/L	3.2	ND	103	65-135			07/18/23	
Aldicarb Sulfoxide	2.0	0.50	ug/L	2.0	ND	102	65-135			07/18/23	
Carbaryl	3.9	1.0	ug/L	4.0	ND	98	65-135			07/18/23	
Carbofuran	3.6	0.90	ug/L	3.6	ND	101	65-135			07/18/23	
Methomyl	3.9	1.0	ug/L	4.0	ND	98	65-135			07/18/23	
Oxamyl	4.2	1.0	ug/L	4.0	ND	106	65-135			07/18/23	

EPA 547 - Quality Control

Batch: AGG0374

Prepared: 7/7/2023

Prep Method: EPA 547

Analyst: VTL

Blank (AGG0374-BLK1)

Glyphosate	ND	25	ug/L							07/07/23	
Surrogate: AMPA	190			200		97	70-130			07/07/23	

Blank Spike (AGG0374-BS1)

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.

SGG0092 FINAL 07252023 2003



**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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 547 - Quality Control

Batch: AGG0374

Prepared: 7/7/2023

Prep Method: EPA 547

Analyst: VTL

Blank Spike (AGG0374-BS1)

Glyphosate	100	25	ug/L	100	ND	102	70-130			07/07/23	
Surrogate: AMPA	190			200		97	70-130			07/07/23	

Blank Spike Dup (AGG0374-BSD1)

Glyphosate	100	25	ug/L	100	ND	105	70-130	3	30	07/07/23	
Surrogate: AMPA	200			200		98	70-130			07/07/23	

Matrix Spike (AGG0374-MS1), Source: AGF3752-01

Glyphosate	94	25	ug/L	100	ND	94	70-130			07/07/23	
Surrogate: AMPA	180			200		92	70-130			07/07/23	

Matrix Spike Dup (AGG0374-MSD1), Source: AGF3752-01

Glyphosate	94	25	ug/L	100	ND	94	70-130	0	30	07/07/23	
Surrogate: AMPA	180			200		90	70-130			07/07/23	

EPA 548.1 - Quality Control

Batch: AGG0495

Prepared: 7/10/2023

Prep Method: EPA 548.1

Analyst: VTL

Blank (AGG0495-BLK1)

Endothall	ND	45	ug/L							07/12/23	
-----------	----	----	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG0495-BS1)

Endothall	14	45	ug/L	20	ND	70	19-121			07/12/23	
-----------	----	----	------	----	----	----	--------	--	--	----------	--

Blank Spike Dup (AGG0495-BSD1)

Endothall	14	45	ug/L	20	ND	72	19-121	3	30	07/12/23	
-----------	----	----	------	----	----	----	--------	---	----	----------	--

Matrix Spike (AGG0495-MS1), Source: AGG0438-01

Endothall	10	45	ug/L	20	ND	52	10-113			07/12/23	
-----------	----	----	------	----	----	----	--------	--	--	----------	--

EPA 549.2 - Quality Control

Batch: AGG0408

Prepared: 7/10/2023

Prep Method: EPA 549.2

Analyst: YNV

Blank (AGG0408-BLK1)

Diquat	ND	4.0	ug/L							07/14/23	
--------	----	-----	------	--	--	--	--	--	--	----------	--

Blank Spike (AGG0408-BS1)

Diquat	3.0	4.0	ug/L	4.0	ND	74	70-130			07/14/23	
--------	-----	-----	------	-----	----	----	--------	--	--	----------	--

Blank Spike Dup (AGG0408-BSD1)

Diquat	2.9	4.0	ug/L	4.0	ND	72	70-130	3	30	07/14/23	
--------	-----	-----	------	-----	----	----	--------	---	----	----------	--

Matrix Spike (AGG0408-MS1), Source: AGG0426-01

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.



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
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 549.2 - Quality Control

Batch: AGG0408

Prepared: 7/10/2023

Prep Method: EPA 549.2

Analyst: YNV

Matrix Spike (AGG0408-MS1), Source: AGG0426-01

Diquat	3.3	4.0	ug/L	4.0	ND	82	70-130			07/14/23	
--------	-----	-----	------	-----	----	----	--------	--	--	----------	--



BSK Associates Sacramento
General Chemistry Quality Control Report

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

SM 2150B - Quality Control

Batch: SGG0068

Prepared: 7/6/2023

Prep Method: Method Specific Preparation

Analyst: CMWI

Blank (SGG0068-BLK1)

Threshold Odor	ND	1.0	T.O.N.							07/06/23	
----------------	----	-----	--------	--	--	--	--	--	--	----------	--

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.

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.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The 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.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

Certificate of Analysis

Definitions

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%: Percent
NR: Non-Reportable

MDL: Method Detection Limit
RL: Reporting Limit: DL x Dilution
ND: None Detected below MRL/MDL
pCi/L: PicoCuries per Liter
RL Mult: RL Multiplier
MCL: Maximum Contaminant Limit

MDA95: Min. Detected Activity
MPN: Most Probable Number
CFU: Colony Forming Unit
Absent: Less than 1 CFU/100mLs
Present: 1 or more CFU/100mLs
U: The analyte was not detected at or above the reported sample quantitation limit.

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

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

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-021
State of Nevada	CA000792022-1	State of Oregon - NELAP	4021-021
EPA UCMR5	CA00079	State of Washington	C997-23

Sacramento

State of California - ELAP	1180-S1
----------------------------	---------

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-007	State of Oregon - NELAP	4119-007

Vancouver

NELAP certified	WA100008-016	State of Oregon - NELAP	WA100008-016
State of Washington	C824-22		

Sample Integrity



BSK Bottles: Yes No Page 1 of 1

COC Info		Yes	No	NA	Were correct containers and preservatives received for the tests requested?			Yes	No	NA
Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$		<u>Yes</u>						<u>Yes</u>		
If samples were taken today, is there evidence that chilling has begun?		<u>Yes</u>			Bubbles Present VOAs (524.2/TTHM/TCP)?			<u>Yes</u>	<u>No</u>	NA
Did all bottles arrive unbroken and intact?		<u>Yes</u>			TB Received? (Check Method Below)			<u>Yes</u>	<u>No</u>	NA
Did all bottle labels agree with COC?		<u>Yes</u>			Was a sufficient amount of sample received?			<u>Yes</u>		No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes		<u>NA</u>	Do samples have a hold time <72 hours?			<u>Yes</u>		No
					Was PM notified of discrepancies?			Yes	No	<u>NA</u>
					PM:	By/Time:				
250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)		Checks*	Passed?		#1	#2	#3			
Bacti Na ₂ S ₂ O ₃		—	—							
None (P) White Cap		—	—		3C, 1A					
Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW		Cl, pH > 8	P F		1A					
Cr6 (P) Pink Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ WW		pH 9.3-9.7	P F							
Cr6 (P) Black Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ 7199 ***24 HOUR HOLD TIME***		pH 9.0-9.5	P F							
HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label		—	—		1B					
H ₂ SO ₄ (P) or (AG) Yellow Cap/Label		pH < 2	P F							
NaOH (P) Green Cap		Cl, pH > 10	P F		1A					
NaOH + ZnAc (P)		pH > 9	P F							
Dissolved Oxygen 300ml (g)		—	—							
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270		—	—		1B, 3C					
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—	—							
Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525		—	—		2C					
Na ₂ SO ₃ 250mL (AG) Neon Green Label 515		—	—		1A					
Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549		—	—		1C					
Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524		—	—		1A					
Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547		—	—		1A			2WTB		5/07/2023
Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531		pH < 3	P F		1V					
NH ₄ Cl (AG) Purple Label 552		—	—							
EDA (P) or (AG) Brown Label DBPs		—	—							
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624		—	—		3V			2WTB		
Buffer pH 4 (CG)		—	—							
H ₃ PO ₄ (CG) Salmon Label		—	—							
Trizma - EPA 537.1 Light Blue Label FB		---	---							
Ammonia Acetate - EPA 533 Purple Label FB		---	---							
Bottled Water		—	—							
Asbestos 1L (P) w/ Foil / LL Metals Bottle		—	—		1C					
Clear Glass		—	—							
OTHER:		—	—							
Split	Container	Preservative	Lot #	Initials	Date/Time	Preservation Check				
	S P					pH Lot #				
	S P					Cl Lot #				
Comments	*Preservation check completed by lab performing analysis.				✓ Indicates Blanks Received 504 ✓ 524.2 ✓ TTHM ___ 537/533 ___ TCP ___ ✓ MS/MSD Received Method: _____					
	Labeled by:		Labels Checked by:							

Scanned: _____ Rush/Short HT Page: _____ Time: _____



SAMPLE TRANSIT ORDER

SGG0092

Jaime Lee LaFave



Receipt temp @ FAL: 3.8° Thermometer/ IR Gun ID: 53

SENDING LABORATORY:

BSK Associates Sacramento
3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
916.853.9293 (Main)
916.853.9297 (FAX)

Project Manager: Jaime Lee LaFave
E-mail: jlafave@bskassociates.com

RECEIVING LABORATORY:

BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

Turnaround (Days): Standard
QC Deliverables: I Std III IV

Client: City of Folsom

Table with 3 columns: Sample ID, Samp Desc, Sample Date

SGG0092-01 WTP Raw

Client Matrix Drinking Water 07/05/2023 08:00

Lab Matrix: Water

Analysis:

- Aggressive Index
Alkalinity as CaCO3
Aluminum, CA DW ICP
Antimony, CA DW ICPMS
Arsenic, CA DW ICPMS
Barium, CA DW ICP
Beryllium, CA DW ICPMS
Cadmium, CA DW ICPMS
Calcium, CA DW ICP
Chloride
Chromium, CA DW ICPMS
Color
Color pH
Copper, CA DW ICPMS
Cyanide, Total
EC, Conductivity
EPA 504.1 - (EDB/DBCP)
EPA 505 - Organohalide Pesticide & PCBs
EPA 515.4 - Chlorinated Acids
EPA 524.2 - Regulated Compounds - Subtest
EPA 525.3 - Full list
EPA 531.1
EPA 547
EPA 548.1
EPA 549.2
Fluoride, Drinking Water
Hex Chrom, DW by EPA 218.7
Iron, CA DW ICP
Langelier Index
Lead, CA DW ICPMS
Magnesium, CA DW ICP
Manganese, CA DW ICP
MBAS
Mercury, CA DW ICPMS
Nickel, CA DW ICPMS

Nitrate + Nitrite as N, IC
 Nitrate-N
 Nitrite
 pH, Drinking and Wastewaters
 Potassium, CA DW ICP
 Selenium, CA DW ICPMS
 Silver, CA DW ICPMS
 Sodium, CA DW ICP
 Sulfate
 TDS, Total Dissolved Solids
 Thallium, CA DW ICPMS
 Zinc, CA DW ICP

SGG0092-02 504 TB- 0423068

Client Matrix Water

07/05/2023 08:00

Lab Matrix: Water

Analysis:

EPA 504.1 - (EDB/DBCP)

SGG0092-03 524 TB- 0423044

Client Matrix Water

07/05/2023 08:00



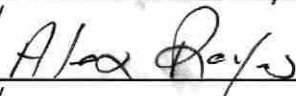

Lab Matrix: Water

Analysis:

EPA 524.2 - Regulated Compounds - Subtest

Containers Included

SGG0092-01	AA	40mL VOA / HCL
SGG0092-01	AB	40mL VOA / HCL
SGG0092-01	AC	40mL VOA / HCL
SGG0092-01	B	1L P / None
SGG0092-01	F	250mL P / NH4OH(NH4)2SO4_D
SGG0092-01	H	1L P / None
SGG0092-01	I	500mL P / HNO3
SGG0092-01	K	250mL P / NaOH
SGG0092-01	M	1L P / None
SGG0092-01	N	1L AP / Na2S2O3
SGG0092-01	O	250mL AG / Na2S2O3
SGG0092-01	P	40mL VOA / Na2S2O3
SGG0092-01	Q	40mL VOA / Na2S2O3
SGG0092-01	R	40mL VOA / Na2S2O3
SGG0092-01	S	40mL VOA / Na2S2O3
SGG0092-01	T	40mL VOA / Na2S2O3
SGG0092-01	U	40mL VOA / Na2S2O3
SGG0092-01	V	40mL VOA / Na2S2O3
SGG0092-01	W	250mL AG / Na2SO3
SGG0092-01	X	1L AG / Ascorbic,EDTA,KH2Ct
SGG0092-01	Y	1L AG / Ascorbic,EDTA,KH2Ct
SGG0092-01	Z	40mL VOA / MCAA + Na2S2O3
SGG0092-02	A	40mL VOA / Na2S2O3
SGG0092-02	B	40mL VOA / Na2S2O3
SGG0092-03	A	40mL VOA / HCL
SGG0092-03	B	40mL VOA / HCL

	7/6/23		11:00 AM 7-6-23
Released By	Date	Received By	Date
	7-6-23		7-6-23 1430
Released By	Date	Received By	Date

SAMPLE TRANSIT INTEGRITY

SGG0092

07/06/2023

Folso8338

10



PM: Jaime Lee LaFave

BSK Bottles: Yes No Page 1 of 1

COC Info	Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	<u>Yes</u> No NA	Were correct containers and preservatives received for the tests requested?	<u>Yes</u> No NA
	Did all bottles arrive unbroken and intact?	<u>Yes</u> No	Bubbles Present VOAs (524.2/TCP/TTHM)?	Yes No <u>NA</u>
	Was a sufficient amount of sample received?	<u>Yes</u> No	TB Received? (Check Method Below)	Yes No <u>NA</u>
	Do samples have a hold time <72 hours?	Yes <u>No</u>	Was PM notified of discrepancies?	Yes No <u>NA</u>
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No <u>NA</u>	PM: By/Time:	

Bottles Received		Checks	Passed?	1	2	3		
	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)							
	Bacti Na2S2O3	---	---					
	None (P) White Cap	---	---					
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)SO4 DW	Cl, pH > 8	<u>(P)</u> F	<u>2C</u>				
	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)SO4 WW	pH 9.3 - 9.7	P F	<u>9A</u>				
	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)SO4 7199 ***24 HOUR HOLD TIME***	pH 9.0 - 9.5	P F					
	HNO3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	---	---	<u>1B</u>				
	H2SO4 (P) or (AG) Yellow Cap/Label	pH < 2	P F					
	NaOH (P) Green Cap	Cl, pH > 10	<u>(P)</u> F	<u>1A</u>				
	NaOH + ZnAc (P)	pH > 9	P F					
	Dissolved Oxygen 300ml (g)	---	---					
	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	---	---					
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	---	---					
	Ascorbic, EDTA, KH2Ct (AG) Pink Label 525	---	---	<u>2C</u>				
	Na2SO3 250ml (AG) Neon Green Label 515	---	---	<u>1A</u>				
	Na2S2O3 1 Liter (Brown P) 549	---	---	<u>1C</u>				
	Na2S2O3 (AG) Blue Label 548, THM, 524	---	---	<u>1A</u>				
	Na2S2O3 (CG) Blue Label 504, 505, 547	---	---	<u>7U</u>	<u>2VTB</u>			
	Na2S2O3 + MCAA (CG) Orange Label 531	pH < 3	<u>(P)</u> F	<u>1V</u>				
	NH4Cl (AG) Purple Label 552	---	---					
	EDA (AG) Brown Label DBPs	---	---					
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	---	---	<u>3V</u>		<u>2VTB</u>		
	Buffer pH 4 (CG)	---	---					
	H3PO4 (CG) Salmon Label	---	---					<u>7-CG-73</u>
	250mL P / Trizma 531.1	---	---					<u>1R</u>
	Other:							
	Asbestos 1L (P) w/Foil / LL Metals Bottle	---	---					
	Bottled Water	---	---					
	Clear Glass 250ml / 500ml / 1 Liter	---	---					
	Solids: Brass / Steel / Plastic Bag	---	---					

Split	Container			Preservative			Date/Time/Initials		
	S	P					S	P	
	S	P					S	P	

Comments	✓ Indicates Blanks Received		
	504 _____	524.2 _____	TCP _____
	TTHM _____	537 _____	8260/624 _____

Labels Checked by: ML @ _____ Scanned by: ML @ _____ Paged by: _____ @ _____ RUSH



CERES Analytical Laboratory, Inc.

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



July 13, 2023

Ceres ID: 16585

BSK Associates
3140 Gold Camp Drive #160
Rancho Cordova, CA 95670

The following report contains the results for the one drinking water sample received on July 7, 2023. This sample was analyzed for 2,3,7,8-TCDD by EPA method 1613. Routine turn-around time was provided for this work.

This work was authorized under your Subcontract Order # SGG0092.

Continuing Calibration Verification (CCV) Requirements

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

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

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

Sincerely,

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

Section I: Sample Inventory

<u>Ceres Sample ID:</u>	<u>Sample ID</u>	<u>Date Received</u>	<u>Collection Date & Time</u>
16585-001	WTP Raw SGG0092-01	7/7/2023	7/6/2023 8:00

Section II: Data Summary



EPA Method 1613B

Quality Assurance Sample Method Blank	QC Batch #: 2912 Matrix: Drinking Water Sample Size: 1.000 L	Date Received: NA Date Extracted: 7/12/2023 Date Analyzed: 7/12/2023
Project ID: SGG0092		

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.82	3.12	5.00		13C-2378-TCDD	75.2	31-137	
					CRS			
					37Cl4-2378-TCDD	71.2	35-197	
DL - Signifies Non-Detect (ND<) 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



EPA Method 1613B

Quality Assurance Sample Ongoing Precision and Recovery Project ID: SGG0092	QC Batch #: 2912 Matrix: Drinking Water Sample Size: 1.000 L	Date Received: NA Date Extracted: 7/12/2023 Date Analyzed: 7/12/2023
---	--	--

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.51	7.3-14.6	13C-2378-TCDD	83.9	25-141
			CRS 37Cl4-2378-TCDD	83.2	37-158
(a) Limits based on method acceptance criteria.					

Analyst: JMH

Reviewed by: BS



EPA Method 1613B

Client Sample ID: WTP Raw SGG0092-01		
Project ID: SGG0092	Ceres Sample ID: 16585-001	Date Received: 7/7/2023
Date Collected: 7/6/2023	QC Batch #: 2912	Date Extracted: 7/12/2023
Time Collected: 8:00	Matrix: Drinking Water	Date Analyzed: 7/12/2023
	Sample Size: 1.005 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.78	3.12	4.98		13C-2378-TCDD	75.5	31-137	
					CRS			
					37Cl4-2378-TCDD	78.9	42-164	
DL - Signifies Non-Detect (ND<) 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

SGG0092

SENDING LABORATORY:

BSK Associates Sacramento
3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
Phone: 916-853-9293
Fax: 916.853.9297
Project Manager: Jaime Lee LaFave
E-mail: jlafave@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	Comments	Sample Date
SGG0092-01	WTP Raw	Client Matrix Surface Water Sampled By: Bryan Farley	07/06/2023 08:00
	Lab Matrix: Water	System Number: CA3410014_001_001	
	<u>Analysis:</u> EXT-Dioxin-DW matrix, EPA 1613 2,3,7,8-TCDD		Shipped by BSK- Sac
State Forms:	Yes	System Name: _____	

Released By: Date: 7/7/23 1335

Received By: Date: 7/7/23 1335

Released By: _____ Date: _____

Received By: _____ Date: _____

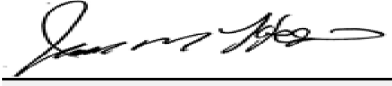
Sample Receipt Check List Logged by: YON (initials)

Ceres ID: <u>16585</u>	Date/Time: <u>7/7/23 1335</u>
Client Project ID: <u>SGG0092</u>	Received Temp: <u>5.1</u> °C Acceptable: <input checked="" type="radio"/> Y <input type="radio"/> N
Chain of Custody Relinquished by signed?	<input checked="" type="radio"/> Y <input type="radio"/> N
Chain of Custody Received by signed?	<input checked="" type="radio"/> Y <input type="radio"/> N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	<input checked="" type="radio"/> NA
Unlabeled / Illegible Samples	Y <input checked="" type="radio"/> N
Proper Containers:	<input checked="" type="radio"/> Y <input type="radio"/> N
Preservation Acceptable (Chemical or <u>Temperature</u>)?	<input checked="" type="radio"/> Y <input type="radio"/> N
Drinking Water, Sodium Thiosulfate present? Residual Cl?	Y / N / <input checked="" type="radio"/> NA Y / <input checked="" type="radio"/> N / NA
Aqueous sample pH: <u>6.5</u>	NA
List COC discrepancies:	<u>YON 7/7/23</u>
List Damaged Samples:	<u>YON 7/7/23</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

ORGANIC CHEMICAL ANALYSIS

Date of Report: 23/07/13
 Laboratory Name: Ceres Analytical Laboratory, Inc.
 Name of Sampler: B Farley
 Date/Time Sample Collected: 23/07/06/0800
 Date/Time Sample Received @ Lab: 23/07/07/1335
 Date Analysis Completed: 23/07/12
 Sample ID No.
 Signature Lab
 Director : 
 Employed by:

System Name:
 Name or Number of Sample Source: WTP Raw
 System Number: CA3410014_001_001

User ID:
 Date/Time of Sample: | 23 | 07 | 06 | 0800 |
 YY MM DD TTTT
 Station Number:
 Laboratory Code: 3046
 YY MM DD
 Date Analysis Completed: | 23 | 07 | 12 |
 Submitted by: Ceres Analytical Laboratory, Inc.
 Phone #: (916) 932-5011

REGULATED ORGANIC CHEMICALS

TEST	CHEMICAL	ENTRY	ANALYSES	MCL	DLR
METHOD	ALL CHEMICALS REPORTED ng/L	#	RESULTS	ng/L	ng/L
E1613	2,3,7,8-TCDD (Dioxin) units= nanogram/L	2063	ND	0.030	0.005



LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
<http://www.LATesting.com> / pasadenalab@latesting.com

LA Testing Order ID: 322317406
Customer ID: 32BSK50
Customer PO:
Project ID:

Attn: Jaime LaFave
BSK Analytical Laboratories
1414 Stanislaus Street
Fresno, CA 93706

Phone: (559) 497-2888
Fax:
Received: 07/11/2023
Analyzed: 07/23/2023

Proj: SGG0092

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

ASBESTOS

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)	
SGG0092-01	7/13/2023	30	1288	0.2227	None Detected	ND	0.19	<0.19	0.00 - 0.71
322317406-0001	02:20 PM								

Collection Date/Time: 07/06/2023 08:00 AM

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)

Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 07/23/2023 11:36:05

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤ 0.01 MFL > 10µm. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson). 5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283



SENDING LABORATORY:

RECEIVING LABORATORY:

BSK Associates Sacramento
3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
Phone: 916-853-9293
Fax: 916.853.9297
Project Manager: Jaime Lee LaFave
E-mail: jlafave@bskassociates.com

L A Testing
520 Mission St.
South Pasadena, CA 91030
Phone : (800) 303-0047
Fax: (323) 254-9982
Turnaround (Days): Standard
QC Deliverables: I Std III IV

Sample ID	Samp Desc	Comments	Sample Date
SGG0092-01	WTP Raw	Client Matrix: Surface Water Sampled By: Bryan Farley	07/06/2023 08:00
	Lab Matrix: Water	System Number: CA3410014_001_001	
	Analysis: EXT-Asbestos, Drinking Water by EPA 100.2	Shipped by BSK- Sac	
State Forms:	Yes	System Name:	

 Tyler Ruffen 7-10-23
  Li Shuang Zheng 7/10/23 3pm 7.6°C

Released By _____ Date _____ Received By _____ Date _____