



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

AGH3594
9/08/2023
Invoice: AG21061

Bryan J. Rosales
Shafter-Wasco Irrigation District
16294 Central Valley Hwy
Wasco, CA 93280

RE: Report for AGH3594 General

Dear Bryan J. Rosales,

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 8/25/2023. 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, Misty Orton, at 559-497-2888.

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

Sincerely,

Misty Orton, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021

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.

AGH3594 FINAL 09082023 0851



Case Narrative

Project and Report Details Invoice Details

Client: Shafter-Wasco Irrigation District
Report To: Bryan J. Rosales
Project #: Irrigation Water
Received: 8/25/2023 - 16:17
Report Due: 9/08/2023

Invoice To: Shafter-Wasco Irrigation District
Invoice Attn: Bryan J. Rosales
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 0.7
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-Bakersfield

Data Qualifiers

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

- MS1.0 Matrix spike recoveries exceed control limits.
MS1.2 Matrix spike recovery exceeds lower control limit. Reported results for parent matrix should be considered estimated due to matrix interferences.
MS2.0 MS/MSD RPD exceeds control limit. No material impact as both sets of recovery data meet control criteria.

Report Distribution

Table with 3 columns: Recipient(s), Report Format, CC. Row 1: Bryan J. Rosales, FINAL.RPT, (empty)



Certificate of Analysis

Sample ID: AGH3594-01
Sampled By: Bryan J. Rosales
Sample Description: 6.3-5 (North)

Sample Date - Time: 08/25/2023 - 09:55
Matrix: Water
Sample Type: Grab

BSK Associates Laboratory Fresno
General Chemistry

Table with 10 columns: Analyte, Method, Result, RL, Units, RL Mult, Batch, Prepared, Analyzed, Qual. Rows include Alkalinity as CaCO3, Bicarbonate as CaCO3, Carbonate as CaCO3, Hydroxide as CaCO3, Chloride, Conductivity @ 25C, Exchangeable Sodium Percentage, Fluoride, Mass Balance-Dissolved Anions, Mass Balance-Dissolved Cations, Nitrate as N, Nitrate as NO3, Percent Sodium, pH (1), pH Temperature in °C, Sodium Absorption Ratio, Sulfate as SO4, Total Dissolved Solids.

Metals

Table with 10 columns: Analyte, Method, Result, RL, Units, RL Mult, Batch, Prepared, Analyzed, Qual. Rows include Boron - Dissolved (1), Calcium - Dissolved (1), Hardness as CaCO3, Dissolved, Magnesium - Dissolved (1), Potassium - Dissolved (1), Sodium - Dissolved (1).

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.



AGH3594

General
Irrigation Water

Certificate of Analysis

Sample ID: AGH3594-02
Sampled By: Bryan J. Rosales
Sample Description: 1.1-3.6-1 (South)

Sample Date - Time: 08/25/2023 - 10:10
Matrix: Water
Sample Type: Grab

BSK Associates Laboratory Fresno
General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Alkalinity as CaCO3	SM 2320B	8.5	3.0	mg/L	1	AGH1917	08/28/23	08/28/23	
Bicarbonate as CaCO3	SM 2320B	8.5	3.0	mg/L	1	AGH1917	08/28/23	08/28/23	
Carbonate as CaCO3	SM 2320B	ND	3.0	mg/L	1	AGH1917	08/28/23	08/28/23	
Hydroxide as CaCO3	SM 2320B	ND	3.0	mg/L	1	AGH1917	08/28/23	08/28/23	
Chloride	EPA 300.0	ND	1.0	mg/L	1	AGH1893	08/25/23	08/25/23	
Conductivity @ 25C	SM 2510B	18	1.0	umhos/cm	1	AGH1917	08/28/23	08/28/23	
Exchangeable Sodium Percentage		0.80		%	1	AGI0128	09/05/23	09/05/23	
Fluoride	EPA 300.0	ND	0.10	mg/L	1	AGH1893	08/25/23	08/25/23	
Mass Balance-Dissolved Anions	SM 1030E	0.17		meq/L					
Mass Balance-Dissolved Cations	SM 1030E	0.17		meq/L					
Nitrate as N	EPA 300.0	ND	0.23	mg/L	1	AGH1893	08/25/23 21:38	08/25/23	
Nitrate as NO3	EPA 300.0	ND	1.0	mg/L	1	AGH1893	08/25/23 21:38	08/25/23	
Percent Sodium		38	0.0	%	1	AGI0192	09/06/23	09/06/23	
pH (1)	SM 4500-H+ B	6.6	0.0	pH Units	1	AGH1917	08/28/23 13:50	08/28/23	
pH Temperature in °C		19.9							
Sodium Absorption Ratio		0.32				AGI0120	09/05/23	09/05/23	
Sulfate as SO4	EPA 300.0	ND	1.0	mg/L	1	AGH1893	08/25/23	08/25/23	
Total Dissolved Solids	SM 2540C	10	5.0	mg/L	1	AGH2089	08/29/23	08/29/23	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Boron - Dissolved (1)	EPA 200.7	140	100	ug/L	1	AGH2245	08/31/23	09/01/23	
Calcium - Dissolved (1)	EPA 200.7	1.6	0.10	mg/L	1	AGH2245	08/31/23	09/01/23	
Hardness as CaCO3, Dissolved	SM 2340B	5.1	0.41	mg/L					
Magnesium - Dissolved (1)	EPA 200.7	0.27	0.10	mg/L	1	AGH2245	08/31/23	09/01/23	
Potassium - Dissolved (1)	EPA 200.7	ND	2.0	mg/L	1	AGH2245	08/31/23	09/01/23	
Sodium - Dissolved (1)	EPA 200.7	1.7	1.0	mg/L	1	AGH2245	08/31/23	09/01/23	

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

EPA 300.0 - Quality Control

Batch: AGH1890

Prepared: 8/25/2023

Prep Method: Method Specific Preparation

Analyst: AAS

Blank (AGH1890-BLK1)

Fluoride	ND	0.10	mg/L							08/25/23	
Nitrate as N	ND	0.23	mg/L							08/25/23	
Chloride	ND	1.0	mg/L							08/25/23	
Nitrate as NO3	ND	1.0	mg/L							08/25/23	
Sulfate as SO4	ND	1.0	mg/L							08/25/23	

Blank Spike (AGH1890-BS1)

Fluoride	1.0	0.10	mg/L	1.0	ND	104	90-110			08/25/23	
Nitrate as N	23	0.23	mg/L	23	ND	101	90-110			08/25/23	
Chloride	100	1.0	mg/L	100	ND	100	90-110			08/25/23	
Nitrate as NO3	100	1.0	mg/L	100	ND	101	90-110			08/25/23	
Sulfate as SO4	100	1.0	mg/L	100	ND	100	90-110			08/25/23	

Matrix Spike (AGH1890-MS1), Source: SGH0575-12

Fluoride	0.63	0.10	mg/L	0.50	ND	113	80-120			08/25/23	
Nitrate as N	11	0.23	mg/L	11	ND	101	80-120			08/25/23	
Chloride	57	1.0	mg/L	50	6.8	101	80-120			08/25/23	
Nitrate as NO3	51	1.0	mg/L	50	ND	101	80-120			08/25/23	
Sulfate as SO4	70	1.0	mg/L	50	20	100	80-120			08/25/23	

Matrix Spike (AGH1890-MS2), Source: AGH3634-02

Fluoride	0.69	0.10	mg/L	0.50	0.15	108	80-120			08/25/23	
Nitrate as N	14	0.23	mg/L	11	2.0	104	80-120			08/25/23	
Chloride	56	1.0	mg/L	50	5.2	102	80-120			08/25/23	
Nitrate as NO3	61	1.0	mg/L	50	8.7	104	80-120			08/25/23	
Sulfate as SO4	57	1.0	mg/L	50	5.8	103	80-120			08/25/23	

Matrix Spike Dup (AGH1890-MSD1), Source: SGH0575-12

Fluoride	0.57	0.10	mg/L	0.50	ND	100	80-120	11	10	08/25/23	MS2.0
Nitrate as N	12	0.23	mg/L	11	ND	103	80-120	2	20	08/25/23	
Chloride	58	1.0	mg/L	50	6.8	103	80-120	2	20	08/25/23	
Nitrate as NO3	52	1.0	mg/L	50	ND	103	80-120	2	20	08/25/23	
Sulfate as SO4	71	1.0	mg/L	50	20	102	80-120	1	20	08/25/23	

Matrix Spike Dup (AGH1890-MSD2), Source: AGH3634-02

Fluoride	0.70	0.10	mg/L	0.50	0.15	110	80-120	1	10	08/25/23	
Nitrate as N	14	0.23	mg/L	11	2.0	106	80-120	2	20	08/25/23	
Chloride	57	1.0	mg/L	50	5.2	104	80-120	1	20	08/25/23	
Nitrate as NO3	62	1.0	mg/L	50	8.7	106	80-120	2	20	08/25/23	
Sulfate as SO4	58	1.0	mg/L	50	5.8	104	80-120	1	20	08/25/23	

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

EPA 300.0 - Quality Control

Batch: AGH1893

Prepared: 8/25/2023

Prep Method: Method Specific Preparation

Analyst: GJA

Blank (AGH1893-BLK1)

Fluoride	ND	0.10	mg/L							08/25/23	
Nitrate as N	ND	0.23	mg/L							08/25/23	
Chloride	ND	1.0	mg/L							08/25/23	
Nitrate as NO3	ND	1.0	mg/L							08/25/23	
Sulfate as SO4	ND	1.0	mg/L							08/25/23	

Blank Spike (AGH1893-BS1)

Fluoride	1.1	0.10	mg/L	1.0	ND	106	90-110			08/25/23	
Nitrate as N	23	0.23	mg/L	23	ND	103	90-110			08/25/23	
Chloride	100	1.0	mg/L	100	ND	101	90-110			08/25/23	
Nitrate as NO3	100	1.0	mg/L	100	ND	103	90-110			08/25/23	
Sulfate as SO4	100	1.0	mg/L	100	ND	101	90-110			08/25/23	

Matrix Spike (AGH1893-MS1), Source: AGH3563-01

Fluoride	0.64	0.10	mg/L	0.50	ND	110	80-120			08/25/23	
Nitrate as N	17	0.23	mg/L	11	5.2	105	80-120			08/25/23	
Chloride	55	1.0	mg/L	50	3.9	102	80-120			08/25/23	
Nitrate as NO3	76	1.0	mg/L	50	23	105	80-120			08/25/23	
Sulfate as SO4	67	1.0	mg/L	50	16	103	80-120			08/25/23	

Matrix Spike Dup (AGH1893-MSD1), Source: AGH3563-01

Fluoride	0.61	0.10	mg/L	0.50	ND	104	80-120	5	10	08/25/23	
Nitrate as N	17	0.23	mg/L	11	5.2	106	80-120	1	20	08/25/23	
Chloride	55	1.0	mg/L	50	3.9	103	80-120	1	20	08/25/23	
Nitrate as NO3	76	1.0	mg/L	50	23	106	80-120	1	20	08/25/23	
Sulfate as SO4	68	1.0	mg/L	50	16	104	80-120	1	20	08/25/23	

SM 2320B - Quality Control

Batch: AGH1917

Prepared: 8/28/2023

Prep Method: Method Specific Preparation

Analyst: BAG

Blank (AGH1917-BLK1)

Alkalinity as CaCO3	ND	3.0	mg/L							08/28/23	
Bicarbonate as CaCO3	ND	3.0	mg/L							08/28/23	
Carbonate as CaCO3	ND	3.0	mg/L							08/28/23	
Hydroxide as CaCO3	ND	3.0	mg/L							08/28/23	

Blank Spike (AGH1917-BS1)

Alkalinity as CaCO3	100	3.0	mg/L	100	ND	100	80-120			08/28/23	
---------------------	-----	-----	------	-----	----	-----	--------	--	--	----------	--

Blank Spike Dup (AGH1917-BSD1)

Alkalinity as CaCO3	100	3.0	mg/L	100	ND	100	80-120	0	20	08/28/23	
---------------------	-----	-----	------	-----	----	-----	--------	---	----	----------	--

Duplicate (AGH1917-DUP1), Source: VGH0576-01

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.

AGH3594 FINAL 09082023 0851

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 2320B - Quality Control

Batch: AGH1917

Prepared: 8/28/2023

Prep Method: Method Specific Preparation

Analyst: BAG

Duplicate (AGH1917-DUP1), Source: VGH0576-01

Alkalinity as CaCO3	150	3.0	mg/L		150			1	10	08/28/23	
Bicarbonate as CaCO3	150	3.0	mg/L		150			1	10	08/28/23	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	08/28/23	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	08/28/23	

SM 2510B - Quality Control

Batch: AGH1917

Prepared: 8/28/2023

Prep Method: Method Specific Preparation

Analyst: BAG

Blank Spike (AGH1917-BS1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	97	90-110			08/28/23	
--------------------	------	-----	----------	------	----	----	--------	--	--	----------	--

Blank Spike Dup (AGH1917-BSD1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	99	90-110	2	5	08/28/23	
--------------------	------	-----	----------	------	----	----	--------	---	---	----------	--

Duplicate (AGH1917-DUP1), Source: VGH0576-01

Conductivity @ 25C	670	1.0	umhos/cm		680			0	5	08/28/23	
--------------------	-----	-----	----------	--	-----	--	--	---	---	----------	--

SM 2540C - Quality Control

Batch: AGH2089

Prepared: 8/29/2023

Prep Method: Method Specific Preparation

Analyst: RRV

Blank (AGH2089-BLK1)

Total Dissolved Solids	ND	5.0	mg/L							08/29/23	
------------------------	----	-----	------	--	--	--	--	--	--	----------	--

Blank Spike (AGH2089-BS1)

Total Dissolved Solids	990		mg/L	1000		99	70-130			08/29/23	
------------------------	-----	--	------	------	--	----	--------	--	--	----------	--

Duplicate (AGH2089-DUP1), Source: AGH3452-01

Total Dissolved Solids	850	5.0	mg/L		810			4	10	08/29/23	
------------------------	-----	-----	------	--	-----	--	--	---	----	----------	--

Duplicate (AGH2089-DUP2), Source: AGH3817-01

Total Dissolved Solids	98	5.0	mg/L		100			4	10	08/29/23	
------------------------	----	-----	------	--	-----	--	--	---	----	----------	--

SM 4500-H+ B - Quality Control

Batch: AGH1917

Prepared: 8/28/2023

Prep Method: Method Specific Preparation

Analyst: BAG

Duplicate (AGH1917-DUP1), Source: VGH0576-01

pH (1)	7.19	0.0	pH Units		7.17			0		08/28/23	
--------	------	-----	----------	--	------	--	--	---	--	----------	--

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: AGH2245

Prepared: 8/31/2023

Prep Method: Filtration - Metals

Analyst: SAB

Blank (AGH2245-BLK2)

Boron - Dissolved (1)	ND	100	ug/L							09/01/23	
Calcium - Dissolved (1)	ND	0.10	mg/L							09/01/23	
Potassium - Dissolved (1)	ND	2.0	mg/L							09/01/23	
Magnesium - Dissolved (1)	ND	0.10	mg/L							09/01/23	
Sodium - Dissolved (1)	ND	1.0	mg/L							09/01/23	

Blank Spike (AGH2245-BS2)

Boron - Dissolved (1)	250	100	ug/L	240	ND	102	85-115			09/01/23	
Calcium - Dissolved (1)	4.5	0.10	mg/L	4.8	ND	94	85-115			09/01/23	
Potassium - Dissolved (1)	4.8	2.0	mg/L	4.8	ND	100	85-115			09/01/23	
Magnesium - Dissolved (1)	4.9	0.10	mg/L	4.8	ND	102	85-115			09/01/23	
Sodium - Dissolved (1)	4.8	1.0	mg/L	4.8	ND	101	85-115			09/01/23	

Blank Spike Dup (AGH2245-BSD2)

Boron - Dissolved (1)	230	100	ug/L	240	ND	96	85-115	7	20	09/01/23	
Calcium - Dissolved (1)	4.2	0.10	mg/L	4.8	ND	87	85-115	8	20	09/01/23	
Potassium - Dissolved (1)	4.5	2.0	mg/L	4.8	ND	93	85-115	7	20	09/01/23	
Magnesium - Dissolved (1)	4.6	0.10	mg/L	4.8	ND	95	85-115	6	20	09/01/23	
Sodium - Dissolved (1)	4.4	1.0	mg/L	4.8	ND	93	85-115	8	20	09/01/23	

Matrix Spike (AGH2245-MS3), Source: AGH3553-01

Boron - Dissolved (1)	630	100	ug/L	240	350	116	70-130			09/01/23	
Calcium - Dissolved (1)	400	0.10	mg/L	4.8	340	NR	70-130			09/01/23	MS1.0 High
Potassium - Dissolved (1)	7.5	2.0	mg/L	4.8	2.4	106	70-130			09/01/23	
Magnesium - Dissolved (1)	21	0.10	mg/L	4.8	16	121	70-130			09/01/23	
Sodium - Dissolved (1)	490	1.0	mg/L	4.8	440	987	70-130			09/01/23	MS1.0 High

Matrix Spike (AGH2245-MS4), Source: AGH3594-01

Boron - Dissolved (1)	290	100	ug/L	240	120	69	70-130			09/01/23	MS1.0 Low
Calcium - Dissolved (1)	6.1	0.10	mg/L	4.8	1.3	100	70-130			09/01/23	
Potassium - Dissolved (1)	5.2	2.0	mg/L	4.8	ND	108	70-130			09/01/23	
Magnesium - Dissolved (1)	5.0	0.10	mg/L	4.8	0.23	99	70-130			09/01/23	
Sodium - Dissolved (1)	6.0	1.0	mg/L	4.8	1.4	97	70-130			09/01/23	

Matrix Spike Dup (AGH2245-MSD3), Source: AGH3553-01

Boron - Dissolved (1)	650	100	ug/L	240	350	124	70-130	3	20	09/01/23	
Calcium - Dissolved (1)	400	0.10	mg/L	4.8	340	NR	70-130	1	20	09/01/23	MS1.0 High
Potassium - Dissolved (1)	7.7	2.0	mg/L	4.8	2.4	110	70-130	2	20	09/01/23	
Magnesium - Dissolved (1)	21	0.10	mg/L	4.8	16	121	70-130	0	20	09/01/23	
Sodium - Dissolved (1)	500	1.0	mg/L	4.8	440	NR	70-130	1	20	09/01/23	MS1.0 High

Matrix Spike Dup (AGH2245-MSD4), Source: AGH3594-01

Boron - Dissolved (1)	290	100	ug/L	240	120	69	70-130	0	20	09/01/23	MS1.0 Low
Calcium - Dissolved (1)	6.3	0.10	mg/L	4.8	1.3	104	70-130	3	20	09/01/23	

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.

AGH3594 FINAL 09082023 0851



BSK Associates Laboratory Fresno
Metals Quality Control Report

Table with 12 columns: Analyte, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual

EPA 200.7 - Quality Control

Batch: AGH2245

Prepared: 8/31/2023

Prep Method: Filtration - Metals

Analyst: SAB

Matrix Spike Dup (AGH2245-MSD4), Source: AGH3594-01

Table with 12 columns: Analyte, Result, RL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Date Analyzed, Qual. Rows include Potassium, Magnesium, and Sodium - Dissolved.

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.

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	4021-022
State of Nevada	CA000792022-1	State of Oregon - NELAP	4021-022
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	4119-008	State of Oregon - NELAP	4119-008

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	Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$	<u>Yes</u>	No	NA	Were correct containers and preservatives received for the tests requested?	<u>Yes</u>	No	NA
	If samples were taken today, is there evidence that chilling has begun?	<u>Yes</u>	No	NA	Bubbles Present VOAs (524.2/TTHM/TCP)? TB Received? (Check Method Below)	<u>Yes</u>	No	NA
	Did all bottles arrive unbroken and intact?	<u>Yes</u>	No		Was a sufficient amount of sample received?	<u>Yes</u>	No	
	Did all bottle labels agree with COC?	<u>Yes</u>	No		Do samples have a hold time <72 hours?	<u>Yes</u>	No	
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes	<u>NA</u>		Was PM notified of discrepancies? PM: _____ By/Time: _____	Yes	No	NA

Bottles Received	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?				
				1-2			
	Bacti Na ₂ S ₂ O ₃	—	—				
	None (P) White Cap	—	—				
	Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW	Cl, pH > 8	P F				
	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	—	—				
	H ₂ SO ₄ (P) or (AG) Yellow Cap/Label	pH < 2	P F				
	NaOH (P) Green Cap	Cl, pH > 10	P F				
	NaOH + ZnAc (P)	pH > 9	P F				
	Dissolved Oxygen 300ml (g)	—	—				
	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—				
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	—	—				
	Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525	—	—				
	Na ₂ SO ₃ 250mL (AG) Neon Green Label 515	—	—				
	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	—	—				
	Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524	—	—				
	Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547	—	—				
	Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531	pH < 3	P F				
	NH ₄ Cl (AG) Purple Label 552	—	—				
	EDA (P) or (AG) Brown Label DBPs	—	—				
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	—	—				
	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	—	—				
	Clear Glass	—	—				
	OTHER:	—	—				

NA 8-25-23

Split	Container	Preservative	Lot #	Initials	Date/Time	Preservation	Check
	S P					pH Lot #	
	S P					CI 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: *Car* Rush/Short HT Page: _____ Time: _____

