



Silver State Labs-Reno
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Reno, NV 89502
(775) 857-2400 FAX: (888) 398-7002
www.ssalabs.com

October 14, 2019
Workorder **19091313**

Jay Flakus
CITY OF YERINGTON
102 South Main Street
Yerington, NV 89447

Project: LY-0255-C / TP01 (Arsenic Treatment Plant)

Dear Jay Flakus:

It is the policy of Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with an appropriate explanation in the Analysis Report section of the Laboratory Report.

19091313: CARBAMATES 531, DBCP&EDB-504, DIQUAT-549, ENDOTHALL-548, GLYPHOSATE 547, HERB-515, PEST&PCB 508, and SVOC-525 have been Sub Contracted.

Sincerely,

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



Silver State Labs-Reno
 1135 Financial Blvd
 Reno, NV 89502
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Analytical Report

Workorder#: 19091313
 Date Reported: 10/14/2019

Client: CITY OF YERINGTON
Project Name: LY-0255-C / TP01 (Arsenic Treatment Plant)
PO #:

Sampled By Dennis Becker

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
19091313-01	TP01 (Arsenic Treatment Plant)	09/25/2019 10:00	9/25/2019

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Carbamates	EPA 531	See Report			CW		
DBCP & EDB	EPA 504	See Report			CW		
Diquat	EPA 549	See Report			CW		
Endothall	EPA 548	See Report			CW		
Glyphosate	EPA 547	See Report			CW		
Herbicides	EPA 515	See Report			CW		
PCB & Pesticides	EPA 508	See Report			CW		
SVOC	EPA 525	See Report			CW		



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

A913276

10/14/2019

Invoice: A928871

Joe Nava
Sierra Environmental Monitoring
1135 Financial Blvd
Reno, NV 89502

RE: Report for A913276 Drinking Water Organics - NV

Dear Joe Nava,

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 9/27/2019. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

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

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

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

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

Sincerely,

Heather S. White, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021-009

Case Narrative

Project and Report Details	Invoice Details
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Client: Sierra Environmental Monitoring Report To: Joe Nava Project #: 19091313 Received: 9/27/2019 - 10:18 Report Due: 10/11/2019	Invoice To: Sierra Environmental Monitoring Invoice Attn: Kimberly Grover Project PO#: 19091313
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Sample Receipt Conditions

Cooler: Default Cooler Temperature on Receipt °C: 0.0	Containers Intact COC/Labels Agree Received On Wet Ice Packing Material - Bubble Wrap Packing Material - Foam Sample(s) were received in temperature range. Initial receipt at BSK-FAL
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Data Qualifiers

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

BS3.0 BS/BSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
 MS1.0 Matrix spike recoveries exceed control limits.

Report Distribution

Recipient(s)	Report Format	CC:
Joe Nava	NEVADA.RPT	cwood@ssalabs.com
Kimberly Grover	NEVADA.RPT	

Sample Summary

Sierra Environmental Monitoring
 1135 Financial Blvd
 Reno, NV 89502

Analysis	Method	Laboratory Container ID	Client Container ID
A9I3276-01			
SampleName: 19091313-01A		Sampled: 09/25/2019 10:00	
Matrix: Water		Received: 09/27/2019 10:18	
EDB and DBCP by GC-ECD (Federal)	EPA 504.1	J	
Organohalide Pesticides, PCBs by GC-ECD (Federal)	EPA 505	J	
Chlorinated Acid Herbicides by GC-ECD (40 CFR 141.	EPA 515.4	C	
Semi-Volatile Organics by GC-MS (Federal)	EPA 525.3	A	
Carbamates by HPLC (Federal)	EPA 531.1	M	
Glyphosate by HPLC (Federal)	EPA 547	G	
Endothall by GC-MS (Federal)	EPA 548.1	E	
Diquat by HPLC (Federal)	EPA 549.2	D	

Certificate of Analysis

Sample ID: A913276-01
Sampled By: Dennis Becker
Sample Description: 19091313-01A // LY-0255-C / TP01 (Arsenic Treatment Plant)

Sample Date - Time: 09/25/19 - 10:00
Matrix: Drinking Water
Sample Type: Grab

**BSK Associates Laboratory Fresno
Organics**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>EDB and DBCP by GC-ECD (Federal)</u>									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.020	ug/L	1	A914698	09/30/19	10/01/19	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.010	ug/L	1	A914698	09/30/19	10/01/19	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	103 %	<i>Acceptable range: 70-130 %</i>						
<u>Organohalide Pesticides, PCBs by GC-ECD (Federal)</u>									
Aldrin	EPA 505	ND	0.075	ug/L	1	A914698	09/30/19	10/01/19	
Chlordane (Technical)	EPA 505	ND	0.20	ug/L	1	A914698	09/30/19	10/01/19	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A914698	09/30/19	10/01/19	
Endrin	EPA 505	ND	0.010	ug/L	1	A914698	09/30/19	10/01/19	
Heptachlor	EPA 505	ND	0.040	ug/L	1	A914698	09/30/19	10/01/19	
Heptachlor Epoxide	EPA 505	ND	0.020	ug/L	1	A914698	09/30/19	10/01/19	
Hexachlorobenzene	EPA 505	ND	0.10	ug/L	1	A914698	09/30/19	10/01/19	
Hexachlorocyclopentadiene	EPA 505	ND	0.10	ug/L	1	A914698	09/30/19	10/01/19	
Lindane	EPA 505	ND	0.020	ug/L	1	A914698	09/30/19	10/01/19	
Methoxychlor	EPA 505	ND	0.10	ug/L	1	A914698	09/30/19	10/01/19	
PCB Aroclor Screen	EPA 505	ND	0.10	ug/L	1	A914698	09/30/19	10/01/19	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A914698	09/30/19	10/01/19	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	103 %	<i>Acceptable range: 70-130 %</i>						
<u>Chlorinated Acid Herbicides by GC-ECD (40 CFR 141)</u>									
2,4,5-T	EPA 515.4	ND	1.0	ug/L	1	A914820	10/01/19	10/02/19	
2,4,5-TP (Silvex)	EPA 515.4	ND	0.20	ug/L	1	A914820	10/01/19	10/02/19	
2,4-D	EPA 515.4	ND	0.10	ug/L	1	A914820	10/01/19	10/02/19	
Bentazon	EPA 515.4	ND	2.0	ug/L	1	A914820	10/01/19	10/02/19	
Dalapon	EPA 515.4	ND	1.0	ug/L	1	A914820	10/01/19	10/02/19	
Dicamba	EPA 515.4	ND	1.5	ug/L	1	A914820	10/01/19	10/02/19	
Dinoseb	EPA 515.4	ND	0.20	ug/L	1	A914820	10/01/19	10/02/19	
Pentachlorophenol	EPA 515.4	ND	0.040	ug/L	1	A914820	10/01/19	10/02/19	
Picloram	EPA 515.4	ND	0.10	ug/L	1	A914820	10/01/19	10/02/19	
Surrogate: DCPAA	EPA 515.4	100 %	<i>Acceptable range: 70-130 %</i>						
<u>Semi-Volatile Organics by GC-MS (Federal)</u>									
Alachlor	EPA 525.3	ND	0.20	ug/L	1	A914926	10/04/19	10/12/19	
Atrazine	EPA 525.3	ND	0.10	ug/L	1	A914926	10/04/19	10/12/19	
Benzo(a)pyrene	EPA 525.3	ND	0.020	ug/L	1	A914926	10/04/19	10/12/19	
Bis(2-ethylhexyl) adipate	EPA 525.3	ND	0.60	ug/L	1	A914926	10/04/19	10/12/19	
Bis(2-ethylhexyl) phthalate	EPA 525.3	ND	0.60	ug/L	1	A914926	10/04/19	10/12/19	
Bromacil	EPA 525.3	ND	1.0	ug/L	1	A914926	10/04/19	10/12/19	
Butachlor	EPA 525.3	ND	0.38	ug/L	1	A914926	10/04/19	10/12/19	
Diazinon	EPA 525.3	ND	0.25	ug/L	1	A914926	10/04/19	10/12/19	
Dimethoate	EPA 525.3	ND	10	ug/L	1	A914926	10/04/19	10/12/19	
Metolachlor	EPA 525.3	ND	0.50	ug/L	1	A914926	10/04/19	10/12/19	
Metribuzin	EPA 525.3	ND	0.50	ug/L	1	A914926	10/04/19	10/12/19	
Molinate	EPA 525.3	ND	2.0	ug/L	1	A914926	10/04/19	10/12/19	

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.

A913276 FINAL 10142019 1248

Certificate of Analysis

Sample ID: A9I3276-01
Sampled By: Dennis Becker
Sample Description: 19091313-01A // LY-0255-C / TP01 (Arsenic Treatment Plant)

Sample Date - Time: 09/25/19 - 10:00
Matrix: Drinking Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Semi-Volatile Organics by GC-MS (Federal)</u>									
Propachlor	EPA 525.3	ND	0.50	ug/L	1	A914926	10/04/19	10/12/19	
Simazine	EPA 525.3	ND	0.070	ug/L	1	A914926	10/04/19	10/12/19	
Thiobencarb	EPA 525.3	ND	1.0	ug/L	1	A914926	10/04/19	10/12/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.3	97 %	<i>Acceptable range: 70-130 %</i>						
Surrogate: Benzo(a)pyrene-d12	EPA 525.3	80 %	<i>Acceptable range: 70-130 %</i>						
Surrogate: Triphenyl Phosphate	EPA 525.3	109 %	<i>Acceptable range: 70-130 %</i>						
<u>Carbamates by HPLC (Federal)</u>									
3-Hydroxycarbofuran	EPA 531.1	ND	2.0	ug/L	1	A915029	10/05/19	10/06/19	
Aldicarb	EPA 531.1	ND	0.50	ug/L	1	A915029	10/05/19	10/06/19	
Aldicarb Sulfone	EPA 531.1	ND	0.80	ug/L	1	A915029	10/05/19	10/06/19	
Aldicarb Sulfoxide	EPA 531.1	ND	0.50	ug/L	1	A915029	10/05/19	10/06/19	
Carbaryl	EPA 531.1	ND	2.0	ug/L	1	A915029	10/05/19	10/06/19	
Carbofuran	EPA 531.1	ND	0.90	ug/L	1	A915029	10/05/19	10/06/19	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A915029	10/05/19	10/06/19	
Oxamyl	EPA 531.1	ND	2.0	ug/L	1	A915029	10/05/19	10/06/19	
<u>Glyphosate by HPLC (Federal)</u>									
Glyphosate	EPA 547	ND	6.0	ug/L	1	A914671	09/28/19	09/29/19	
Surrogate: AMPA	EPA 547	90 %	<i>Acceptable range: 70-130 %</i>						
<u>Endothall by GC-MS (Federal)</u>									
Endothall	EPA 548.1	ND	9.0	ug/L	1	A914664	09/27/19	10/02/19	
<u>Diquat by HPLC (Federal)</u>									
Diquat	EPA 549.2	ND	0.40	ug/L	1	A914759	10/01/19	10/05/19	

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**BSK Associates Laboratory Fresno
Organics Quality Control Report**

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

Batch: A914698

Prepared: 9/30/2019

Prep Method: EPA 504/505

Analyst: JKH

Blank (A914698-BLK1)

Dibromochloropropane (DBCP)	ND	0.020	ug/L							09/30/19	
Ethylene Dibromide (EDB)	ND	0.010	ug/L							09/30/19	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			09/30/19	

Blank Spike (A914698-BS1)

Dibromochloropropane (DBCP)	0.10	0.020	ug/L	0.10	ND	100	70-130			09/30/19	
Ethylene Dibromide (EDB)	0.097	0.010	ug/L	0.10	ND	97	70-130			09/30/19	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			09/30/19	

Blank Spike Dup (A914698-BSD1)

Dibromochloropropane (DBCP)	0.094	0.020	ug/L	0.10	ND	94	70-130	6	20	10/01/19	
Ethylene Dibromide (EDB)	0.095	0.010	ug/L	0.10	ND	95	70-130	2	20	10/01/19	
Surrogate: 1-Br-2-Nitrobenzene	0.42			0.46		93	70-130			10/01/19	

Matrix Spike (A914698-MS1), Source: A913064-01

Dibromochloropropane (DBCP)	0.098	0.020	ug/L	0.10	ND	98	65-135			09/30/19	
Ethylene Dibromide (EDB)	0.094	0.010	ug/L	0.10	ND	94	65-135			09/30/19	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			09/30/19	

EPA 505 - Quality Control

Batch: A914698

Prepared: 9/30/2019

Prep Method: EPA 504/505

Analyst: JKH

Blank (A914698-BLK1)

Aldrin	ND	0.075	ug/L							09/30/19	
Chlordane (Technical)	ND	0.20	ug/L							09/30/19	
Dieldrin	ND	0.020	ug/L							09/30/19	
Endrin	ND	0.010	ug/L							09/30/19	
Heptachlor	ND	0.040	ug/L							09/30/19	
Heptachlor Epoxide	ND	0.020	ug/L							09/30/19	
Hexachlorobenzene	ND	0.10	ug/L							09/30/19	
Hexachlorocyclopentadiene	ND	0.10	ug/L							09/30/19	
Lindane	ND	0.020	ug/L							09/30/19	
Methoxychlor	ND	0.10	ug/L							09/30/19	
PCB Aroclor Screen	ND	0.10	ug/L							09/30/19	
Toxaphene	ND	1.0	ug/L							09/30/19	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			09/30/19	

Blank Spike (A914698-BS1)

Aldrin	0.71	0.075	ug/L	0.74	ND	95	70-130			09/30/19	
Dieldrin	0.20	0.020	ug/L	0.20	ND	100	70-130			09/30/19	
Endrin	0.10	0.010	ug/L	0.10	ND	103	70-130			09/30/19	
Heptachlor	0.097	0.040	ug/L	0.10	ND	97	70-130			09/30/19	
Heptachlor Epoxide	0.099	0.020	ug/L	0.10	ND	99	70-130			09/30/19	
Hexachlorobenzene	1.0	0.10	ug/L	1.0	ND	101	70-130			09/30/19	
Hexachlorocyclopentadiene	1.0	0.10	ug/L	1.0	ND	104	70-130			09/30/19	

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A913276 FINAL 10142019 1248

**BSK Associates Laboratory Fresno
Organics Quality Control Report**

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

Batch: A914698

Prepared: 9/30/2019

Prep Method: EPA 504/505

Analyst: JKH

Blank Spike (A914698-BS1)

Lindane	0.19	0.020	ug/L	0.20	ND	97	70-130			09/30/19	
Methoxychlor	1.1	0.10	ug/L	1.0	ND	109	70-130			09/30/19	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			09/30/19	

Blank Spike Dup (A914698-BSD1)

Aldrin	0.71	0.075	ug/L	0.74	ND	95	70-130	0	20	10/01/19	
Dieldrin	0.20	0.020	ug/L	0.20	ND	98	70-130	2	20	10/01/19	
Endrin	0.10	0.010	ug/L	0.10	ND	101	70-130	2	20	10/01/19	
Heptachlor	0.10	0.040	ug/L	0.10	ND	100	70-130	3	20	10/01/19	
Heptachlor Epoxide	0.097	0.020	ug/L	0.10	ND	97	70-130	2	20	10/01/19	
Hexachlorobenzene	0.99	0.10	ug/L	1.0	ND	99	70-130	2	20	10/01/19	
Hexachlorocyclopentadiene	1.2	0.10	ug/L	1.0	ND	116	70-130	10	20	10/01/19	
Lindane	0.18	0.020	ug/L	0.20	ND	92	70-130	5	20	10/01/19	
Methoxychlor	1.0	0.10	ug/L	1.0	ND	103	70-130	5	20	10/01/19	
Surrogate: 1-Br-2-Nitrobenzene	0.42			0.46		93	70-130			10/01/19	

Matrix Spike (A914698-MS1), Source: A913064-01

Aldrin	0.66	0.075	ug/L	0.74	ND	84	65-135			09/30/19	
Dieldrin	0.19	0.020	ug/L	0.20	ND	96	65-135			09/30/19	
Endrin	0.097	0.010	ug/L	0.10	ND	98	65-135			09/30/19	
Heptachlor	0.094	0.040	ug/L	0.10	ND	95	65-135			09/30/19	
Heptachlor Epoxide	0.099	0.020	ug/L	0.10	ND	99	65-135			09/30/19	
Hexachlorobenzene	0.96	0.10	ug/L	1.0	ND	96	65-135			09/30/19	
Hexachlorocyclopentadiene	1.0	0.10	ug/L	1.0	ND	101	65-135			09/30/19	
Lindane	0.19	0.020	ug/L	0.20	ND	95	65-135			09/30/19	
Methoxychlor	1.1	0.10	ug/L	1.0	ND	108	65-135			09/30/19	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			09/30/19	

EPA 515.4 - Quality Control

Batch: A914820

Prepared: 10/1/2019

Prep Method: EPA 515.4

Analyst: PNN

Blank (A914820-BLK1)

2,4,5-T	ND	1.0	ug/L							10/02/19	
2,4,5-TP (Silvex)	ND	0.20	ug/L							10/02/19	
2,4-D	ND	0.10	ug/L							10/02/19	
Bentazon	ND	2.0	ug/L							10/02/19	
Dalapon	ND	1.0	ug/L							10/02/19	
Dicamba	ND	1.5	ug/L							10/02/19	
Dinoseb	ND	0.20	ug/L							10/02/19	
Pentachlorophenol	ND	0.040	ug/L							10/02/19	
Picloram	ND	0.10	ug/L							10/02/19	
Surrogate: DCPAA	36			36		100	70-130			10/02/19	

Blank Spike (A914820-BS1)

2,4,5-T	1.5	1.0	ug/L	1.6	ND	94	70-130			10/02/19	
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A913276 FINAL 10142019 1248

**BSK Associates Laboratory Fresno
Organics Quality Control Report**

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

Batch: A914820

Prepared: 10/1/2019

Prep Method: EPA 515.4

Analyst: PNN

Blank Spike (A914820-BS1)

2,4,5-TP (Silvex)	0.75	0.20	ug/L	0.80	ND	93	70-130			10/02/19	
2,4-D	0.39	0.10	ug/L	0.40	ND	96	70-130			10/02/19	
Bentazon	2.1	2.0	ug/L	2.0	ND	104	70-130			10/02/19	
Dalapon	4.1	1.0	ug/L	4.0	ND	101	70-130			10/02/19	
Dicamba	0.82	1.5	ug/L	0.80	ND	102	70-130			10/02/19	
Dinoseb	0.80	0.20	ug/L	0.80	ND	100	70-130			10/02/19	
Pentachlorophenol	0.17	0.040	ug/L	0.16	ND	105	70-130			10/02/19	
Picloram	0.42	0.10	ug/L	0.40	ND	106	70-130			10/02/19	
Surrogate: DCPAA	37			36		102	70-130			10/02/19	

Blank Spike Dup (A914820-BSD1)

2,4,5-T	1.5	1.0	ug/L	1.6	ND	95	70-130	1	20	10/02/19	
2,4,5-TP (Silvex)	0.75	0.20	ug/L	0.80	ND	94	70-130	0	20	10/02/19	
2,4-D	0.38	0.10	ug/L	0.40	ND	95	70-130	1	20	10/02/19	
Bentazon	2.1	2.0	ug/L	2.0	ND	104	70-130	1	20	10/02/19	
Dalapon	4.0	1.0	ug/L	4.0	ND	100	70-130	1	20	10/02/19	
Dicamba	0.80	1.5	ug/L	0.80	ND	100	70-130	2	20	10/02/19	
Dinoseb	0.76	0.20	ug/L	0.80	ND	94	70-130	6	20	10/02/19	
Pentachlorophenol	0.16	0.040	ug/L	0.16	ND	102	70-130	3	20	10/02/19	
Picloram	0.42	0.10	ug/L	0.40	ND	105	70-130	1	20	10/02/19	
Surrogate: DCPAA	37			36		102	70-130			10/02/19	

Matrix Spike (A914820-MS1), Source: A9I3276-01

2,4,5-T	1.7	1.0	ug/L	1.6	ND	106	70-130			10/02/19	
2,4,5-TP (Silvex)	0.84	0.20	ug/L	0.80	ND	105	70-130			10/02/19	
2,4-D	0.43	0.10	ug/L	0.40	ND	107	70-130			10/02/19	
Bentazon	2.1	2.0	ug/L	2.0	ND	105	70-130			10/02/19	
Dalapon	4.1	1.0	ug/L	4.0	ND	103	70-130			10/02/19	
Dicamba	0.82	1.5	ug/L	0.80	ND	103	70-130			10/02/19	
Dinoseb	0.77	0.20	ug/L	0.80	ND	96	70-130			10/02/19	
Pentachlorophenol	0.17	0.040	ug/L	0.16	ND	105	70-130			10/02/19	
Picloram	0.43	0.10	ug/L	0.40	ND	107	70-130			10/02/19	
Surrogate: DCPAA	37			36		103	70-130			10/02/19	

Matrix Spike Dup (A914820-MSD1), Source: A9I3276-01

2,4,5-T	1.7	1.0	ug/L	1.6	ND	106	70-130	0	30	10/02/19	
2,4,5-TP (Silvex)	0.84	0.20	ug/L	0.80	ND	105	70-130	1	30	10/02/19	
2,4-D	0.43	0.10	ug/L	0.40	ND	106	70-130	1	30	10/02/19	
Bentazon	2.1	2.0	ug/L	2.0	ND	104	70-130	1	30	10/02/19	
Dalapon	4.1	1.0	ug/L	4.0	ND	103	70-130	0	30	10/02/19	
Dicamba	0.80	1.5	ug/L	0.80	ND	100	70-130	3	30	10/02/19	
Dinoseb	0.75	0.20	ug/L	0.80	ND	94	70-130	3	30	10/02/19	
Pentachlorophenol	0.17	0.040	ug/L	0.16	ND	104	70-130	1	30	10/02/19	
Picloram	0.42	0.10	ug/L	0.40	ND	105	70-130	2	30	10/02/19	
Surrogate: DCPAA	37			36		104	70-130			10/02/19	

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.

A9I3276 FINAL 10142019 1248

**BSK Associates Laboratory Fresno
Organics Quality Control Report**

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

Batch: A914926

Prepared: 10/4/2019

Prep Method: EPA 525.3

Analyst: JKH

Blank (A914926-BLK1)

Alachlor	ND	0.20	ug/L							10/12/19	
Atrazine	ND	0.10	ug/L							10/12/19	
Benzo(a)pyrene	ND	0.020	ug/L							10/12/19	
Bis(2-ethylhexyl) adipate	ND	0.60	ug/L							10/12/19	
Bis(2-ethylhexyl) phthalate	ND	0.60	ug/L							10/12/19	
Bromacil	ND	1.0	ug/L							10/12/19	
Butachlor	ND	0.38	ug/L							10/12/19	
Diazinon	ND	0.25	ug/L							10/12/19	
Dimethoate	ND	10	ug/L							10/12/19	
Metolachlor	ND	0.50	ug/L							10/12/19	
Metribuzin	ND	0.50	ug/L							10/12/19	
Molinate	ND	2.0	ug/L							10/12/19	
Propachlor	ND	0.50	ug/L							10/12/19	
Simazine	ND	0.070	ug/L							10/12/19	
Thiobencarb	ND	1.0	ug/L							10/12/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.93			1.0		93	70-130			10/12/19	
Surrogate: Benzo(a)pyrene-d12	0.78			1.0		78	70-130			10/12/19	
Surrogate: Triphenyl Phosphate	0.86			1.0		86	70-130			10/12/19	

Blank Spike (A914926-BS1)

Alachlor	0.40	0.20	ug/L	0.40	ND	99	70-130			10/12/19	
Atrazine	0.19	0.10	ug/L	0.20	ND	97	70-130			10/12/19	
Benzo(a)pyrene	0.032	0.020	ug/L	0.040	ND	79	70-130			10/12/19	
Bis(2-ethylhexyl) adipate	0.86	0.60	ug/L	0.80	ND	107	70-130			10/12/19	
Bis(2-ethylhexyl) phthalate	2.5	0.60	ug/L	2.4	ND	104	70-130			10/12/19	
Bromacil	0.24	1.0	ug/L	0.20	ND	119	70-130			10/12/19	
Butachlor	0.21	0.38	ug/L	0.20	ND	104	70-130			10/12/19	
Diazinon	0.036	0.25	ug/L	0.040	ND	89	70-130			10/12/19	
Dimethoate	1.6	10	ug/L	1.6	ND	97	70-130			10/12/19	
Metolachlor	0.20	0.50	ug/L	0.20	ND	100	70-130			10/12/19	
Metribuzin	0.19	0.50	ug/L	0.20	ND	96	70-130			10/12/19	
Molinate	0.20	2.0	ug/L	0.20	ND	101	70-130			10/12/19	
Propachlor	0.21	0.50	ug/L	0.20	ND	105	70-130			10/12/19	
Simazine	0.13	0.070	ug/L	0.14	ND	95	70-130			10/12/19	
Thiobencarb	0.20	1.0	ug/L	0.20	ND	99	70-130			10/12/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.94			1.0		94	70-130			10/12/19	

Blank Spike Dup (A914926-BSD1)

Alachlor	0.41	0.20	ug/L	0.40	ND	103	70-130	3	30	10/12/19	
Atrazine	0.21	0.10	ug/L	0.20	ND	105	70-130	7	30	10/12/19	
Benzo(a)pyrene	0.032	0.020	ug/L	0.040	ND	79	70-130	1	30	10/12/19	
Bis(2-ethylhexyl) adipate	0.92	0.60	ug/L	0.80	ND	114	70-130	7	30	10/12/19	
Bis(2-ethylhexyl) phthalate	2.6	0.60	ug/L	2.4	ND	108	70-130	4	30	10/12/19	
Bromacil	0.25	1.0	ug/L	0.20	ND	127	70-130	6	30	10/12/19	
Butachlor	0.22	0.38	ug/L	0.20	ND	109	70-130	5	30	10/12/19	
Diazinon	0.037	0.25	ug/L	0.040	ND	92	70-130	4	30	10/12/19	

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.

A913276 FINAL 10142019 1248

**BSK Associates Laboratory Fresno
Organics Quality Control Report**

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

Batch: A914926

Prepared: 10/4/2019

Prep Method: EPA 525.3

Analyst: JKH

Blank Spike Dup (A914926-BSD1)

Dimethoate	1.7	10	ug/L	1.6	ND	106	70-130	9	30	10/12/19	
Metolachlor	0.21	0.50	ug/L	0.20	ND	104	70-130	4	30	10/12/19	
Metribuzin	0.21	0.50	ug/L	0.20	ND	103	70-130	7	30	10/12/19	
Molinate	0.21	2.0	ug/L	0.20	ND	103	70-130	2	30	10/12/19	
Propachlor	0.22	0.50	ug/L	0.20	ND	108	70-130	3	30	10/12/19	
Simazine	0.14	0.070	ug/L	0.14	ND	99	70-130	5	30	10/12/19	
Thiobencarb	0.20	1.0	ug/L	0.20	ND	101	70-130	2	30	10/12/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.96			1.0		96	70-130			10/12/19	

Matrix Spike (A914926-MS1), Source: A913280-02

Alachlor	0.10	0.20	ug/L	0.094	ND	107	70-130			10/12/19	
Atrazine	0.051	0.10	ug/L	0.047	ND	108	70-130			10/12/19	
Benzo(a)pyrene	0.0070	0.020	ug/L	0.0094	ND	50	70-130			10/12/19	MS1.0 Low
Bis(2-ethylhexyl) adipate	0.25	0.60	ug/L	0.19	ND	135	70-130			10/12/19	MS1.0 High
Bis(2-ethylhexyl) phthalate	0.61	0.60	ug/L	0.57	ND	108	70-130			10/12/19	
Bromacil	0.074	1.0	ug/L	0.047	ND	156	70-130			10/12/19	MS1.0 High
Butachlor	0.052	0.38	ug/L	0.047	ND	111	70-130			10/12/19	
Diazinon	0.010	0.25	ug/L	0.0094	ND	111	70-130			10/12/19	
Dimethoate	0.42	10	ug/L	0.38	ND	112	70-130			10/12/19	
Metolachlor	0.054	0.50	ug/L	0.047	ND	115	70-130			10/12/19	
Metribuzin	0.048	0.50	ug/L	0.047	ND	102	70-130			10/12/19	
Molinate	0.056	2.0	ug/L	0.047	ND	119	70-130			10/12/19	
Propachlor	0.051	0.50	ug/L	0.047	ND	108	70-130			10/12/19	
Simazine	0.033	0.070	ug/L	0.033	ND	100	70-130			10/12/19	
Thiobencarb	0.054	1.0	ug/L	0.047	ND	114	70-130			10/12/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.91			0.94		97	70-130			10/12/19	

EPA 531.1 - Quality Control

Batch: A915029

Prepared: 10/5/2019

Prep Method: EPA 531.1

Analyst: JNG

Blank (A915029-BLK1)

3-Hydroxycarbofuran	ND	2.0	ug/L							10/05/19	
Aldicarb	ND	0.50	ug/L							10/05/19	
Aldicarb Sulfone	ND	0.80	ug/L							10/05/19	
Aldicarb Sulfoxide	ND	0.50	ug/L							10/05/19	
Carbaryl	ND	2.0	ug/L							10/05/19	
Carbofuran	ND	0.90	ug/L							10/05/19	
Methomyl	ND	2.0	ug/L							10/05/19	
Oxamyl	ND	2.0	ug/L							10/05/19	

Blank Spike (A915029-BS1)

3-Hydroxycarbofuran	4.5	2.0	ug/L	4.0	ND	112	80-120			10/05/19	
Aldicarb	2.3	0.50	ug/L	2.0	ND	113	80-120			10/05/19	
Aldicarb Sulfone	3.6	0.80	ug/L	3.2	ND	114	80-120			10/05/19	
Aldicarb Sulfoxide	2.2	0.50	ug/L	2.0	ND	109	80-120			10/05/19	

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A913276 FINAL 10142019 1248

**BSK Associates Laboratory Fresno
Organics Quality Control Report**

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

Batch: A915029

Prepared: 10/5/2019

Prep Method: EPA 531.1

Analyst: JNG

Blank Spike (A915029-BS1)

Carbaryl	4.4	2.0	ug/L	4.0	ND	110	80-120			10/05/19	
Carbofuran	4.2	0.90	ug/L	3.6	ND	115	80-120			10/05/19	
Methomyl	4.2	2.0	ug/L	4.0	ND	104	80-120			10/05/19	
Oxamyl	4.3	2.0	ug/L	4.0	ND	108	80-120			10/05/19	

Blank Spike Dup (A915029-BSD1)

3-Hydroxycarbofuran	3.6	2.0	ug/L	4.0	ND	89	80-120	23	20	10/06/19	BS3.0
Aldicarb	1.9	0.50	ug/L	2.0	ND	96	80-120	17	20	10/06/19	
Aldicarb Sulfone	3.2	0.80	ug/L	3.2	ND	99	80-120	14	20	10/06/19	
Aldicarb Sulfoxide	1.9	0.50	ug/L	2.0	ND	96	80-120	13	20	10/06/19	
Carbaryl	3.7	2.0	ug/L	4.0	ND	92	80-120	18	20	10/06/19	
Carbofuran	3.3	0.90	ug/L	3.6	ND	91	80-120	24	20	10/06/19	BS3.0
Methomyl	3.8	2.0	ug/L	4.0	ND	96	80-120	8	20	10/06/19	
Oxamyl	3.9	2.0	ug/L	4.0	ND	98	80-120	10	20	10/06/19	

Matrix Spike (A915029-MS1), Source: A9I3214-01

3-Hydroxycarbofuran	4.2	2.0	ug/L	4.0	ND	101	65-135			10/06/19	
Aldicarb	2.0	0.50	ug/L	2.0	ND	99	65-135			10/06/19	
Aldicarb Sulfone	3.5	0.80	ug/L	3.2	ND	109	65-135			10/06/19	
Aldicarb Sulfoxide	2.1	0.50	ug/L	2.0	ND	106	65-135			10/06/19	
Carbaryl	4.2	2.0	ug/L	4.0	ND	104	65-135			10/06/19	
Carbofuran	4.0	0.90	ug/L	3.6	ND	111	65-135			10/06/19	
Methomyl	4.3	2.0	ug/L	4.0	ND	107	65-135			10/06/19	
Oxamyl	4.2	2.0	ug/L	4.0	ND	106	65-135			10/06/19	

EPA 547 - Quality Control

Batch: A914671

Prepared: 9/28/2019

Prep Method: EPA 547

Analyst: ANM

Blank (A914671-BLK1)

Glyphosate	ND	6.0	ug/L							09/28/19	
Surrogate: AMPA	180			200		89	70-130			09/28/19	

Blank Spike (A914671-BS1)

Glyphosate	120	6.0	ug/L	100	ND	118	70-130			09/28/19	
Surrogate: AMPA	190			200		93	70-130			09/28/19	

Blank Spike Dup (A914671-BSD1)

Glyphosate	110	6.0	ug/L	100	ND	114	70-130	4	30	09/28/19	
Surrogate: AMPA	190			200		94	70-130			09/28/19	

Matrix Spike (A914671-MS1), Source: A9I2975-01

Glyphosate	120	6.0	ug/L	100	ND	116	70-130			09/28/19	
Surrogate: AMPA	200			200		98	70-130			09/28/19	

Matrix Spike Dup (A914671-MSD1), Source: A9I2975-01

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A9I3276 FINAL 10142019 1248

**BSK Associates Laboratory Fresno
Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 547 - Quality Control

Batch: A914671

Prepared: 9/28/2019

Prep Method: EPA 547

Analyst: ANM

Matrix Spike Dup (A914671-MSD1), Source: A9I2975-01

Glyphosate	120	6.0	ug/L	100	ND	118	70-130	2	30	09/28/19	
Surrogate: AMPA	190			200		97	70-130			09/28/19	

EPA 548.1 - Quality Control

Batch: A914664

Prepared: 9/27/2019

Prep Method: EPA 548.1

Analyst: YNV

Blank (A914664-BLK1)

Endothall	ND	9.0	ug/L							10/02/19	
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Blank Spike (A914664-BS1)

Endothall	20	9.0	ug/L	20	ND	100	46-116			10/02/19	
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Blank Spike Dup (A914664-BSD1)

Endothall	18	9.0	ug/L	20	ND	92	46-116	9	30	10/02/19	
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Matrix Spike (A914664-MS1), Source: A9I3041-01

Endothall	7.8	9.0	ug/L	20	ND	39	46-116			10/02/19	MS1.0 Low
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EPA 549.2 - Quality Control

Batch: A914759

Prepared: 10/1/2019

Prep Method: EPA 549.2

Analyst: ANM

Blank (A914759-BLK1)

Diquat	ND	0.40	ug/L							10/04/19	
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Blank Spike (A914759-BS1)

Diquat	3.3	0.40	ug/L	4.0	ND	83	70-130			10/04/19	
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Blank Spike Dup (A914759-BSD1)

Diquat	3.2	0.40	ug/L	4.0	ND	80	70-130	4	30	10/04/19	
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Matrix Spike (A914759-MS1), Source: A9I3276-01

Diquat	3.4	0.40	ug/L	4.0	ND	85	70-130			10/05/19	
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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.

Definitions

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

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

****NA****

Certificate of Analysis

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	4021-012
State of Nevada	CA000792020-2	State of Oregon - NELAP	4021-012
EPA - UCMR4	CA00079	State of Washington	C997-19c

Sacramento

State of California - ELAP	2435
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San Bernardino

State of California - ELAP	2993	Los Angeles CSD	9254478
NELAP certified	4119-004	State of Oregon - NELAP	4119-004

Vancouver

NELAP certified	WA100008-012	State of Oregon - NELAP	WA100008-012
State of Washington	C824-19		



Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info		Yes	No	NA	Are correct containers and preservatives received for the tests requested?		Yes	No	NA
Is 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?		Yes	No	<u>NA</u>	Bubbles Present in VOA (524.2/TCP/TTHM)?		Yes	No	<u>NA</u>
Did all bottles arrive unbroken and intact?		<u>Yes</u>	No		TB Received? (Check Method Below)		<u>Yes</u>	No	<u>NA</u>
Do all bottle labels agree with COC?		<u>Yes</u>	No		Is sufficient amount of sample received?		<u>Yes</u>	No	
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes	No	<u>NA</u>	Do samples have a hold time <72 hours?		Yes	<u>No</u>	
					Has PM been 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			
Bacti $\text{Na}_2\text{S}_2\text{O}_3$		—	—						
None (P) ^{White Cap}		—	—						
Cr6 (P) ^{Lt. Green Label/Blue Cap} $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ DW		Cl, pH > 8	P F						
Cr6 (P) ^{Pink Label/Blue Cap} $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ WW		pH 9.3-9.7	P F						
Cr6 (P) ^{Black Label/Blue Cap} $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ 7199 ***24 HOUR HOLD TIME***		pH 9.0-9.5	P F						
HNO ₃ (P) ^{Red Cap} or HCl (P) ^{Purple Cap/Lt. Blue Label}		—	—						
H 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		—	—		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		—	—		7V	2UTB			
Na ₂ S ₂ O ₃ + MCAA (CG) ^{Orange Label} 531		pH < 3	<u>P</u> F		1V				
NH ₄ Cl (AG) ^{Purple Label} 552		—	—						
EDA (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		—	—						
Other:									
Asbestos 1L (P) w/ Foil / LL Metals Bottle		—	—						
Bottled Water		—	—						
Clear Glass 125mL / 250mL / 500mL / 1 Liter		—	—						
Solids: Brass / Steel / Plastic Bag		—	—						
Split	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials			
	S P			S P					
	S P			S P					
Comments	✓ Indicates Blanks Received 504 ___ 524.2 ___ TCP ___ TTHM ___ 537 ___ 8260/624 ___								

KMH
9/27/19

Scanned: _____



CHAIN OF CUSTODY RECORD

0.0.0 #154 Wet Ice, BW, Foam TX

COC ID: 5960 PAGE: 1 OF: 3



10

ADDRESS
Silver State Labs-Reno
1135 Financial Blvd
Reno, NV 89502
TEL: (775) 857-2400
FAX: (888) 398-7002
Website: www.ssalabs.com

SPECIAL INSTRUCTIONS / COMMENTS:
Please send results to: jnava@ssalabs.com; cwood@ssalabs.com NV Sample

SUB CONTRACTOR: **BSK-R** COMPANY: **BSK Laboratory**

ADDRESS: **1414 Stanislaus Street**

CITY, STATE, ZIP: **Fresno, CA 93706**

PHONE: **(559) 497-2888**

FAX: **(559) 497-2888**

EMAIL: **Dennis Becker**

ACCOUNT #: **19091313**

PO#: **19091313**

ITEM # **1** SAMPLE ID **19091313-01A** Client Sample ID **LY-0255-C / TP01 (Arsenic Treatment Plant)**

Bottle Type

MATRIX **Drinking Water**

DATE COLLECTED **09/25/2019 10:00**

NUMBER OF CONTAINERS **13**

ANALYTICAL PARAMETERS	
SUB-CARBAMATES 531-R (SUB)	✓
SUB-DBCFEEDB-504-R (SUB)	✓
SUB-DICUAT-549-R (E549)	✓
SUB-ENDDOTHTALL-548-R (E548)	✓
SUB-GIYPHOSATE 547-R (E547)	✓
SUB-HERB-515-R (SUB)	✓
SUB-PESTPCB 508-R (SUB)	✓
SUB-SVOC-525-R (SUB)	✓

2 TB 0519006

KMH

Revised 9/26/19 15:30

Relinquished By: <i>AB</i>	Date: 9/25/2019	Time: 2:03 PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <i>KMH</i>	Date: 9/21/19	Time: 10:18

TAFF: Standard RUSH Next BD 2nd BD 3rd BD

REPORT TRANSMITTAL DESIRED: HARD COPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool? _____

Comments: _____

Report Results To:

Report Attention: Jay Flakus, Public Works Director
 Company: City of Yerington Nevada - Public Works
 Mailing Address: 102 S Main Street
 City, State, Zip: Yerington, NV 89447
 Phone: 775-302-1155
 Email / Fax: jayf@yerington.net

Send Invoice To:

Invoice Attention: Jay Flakus
 Company: City of Yerington Nevada - Public Works
 Mailing Address: 102 S Main Street
 City, State, Zip: Yerington, NV 89447
 Phone: 775-302-1155
 Email / Fax: jayf@yerington.net

ANALYSES REQUESTED

Sampled by: DENNIS BECKER
 Signature: [Signature]

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Standard: Standard TAT 7-10 Business Days. Note that some tests vary.
 Rush Same Day: 3 Day: Other (Specify):
 1 Day: 4 Day: Rush results will be issued after 4:00 p.m.
 2 Day: 5 Day:

Other Pertinent Information / Special Instructions
 NY-0255-C
 160cc

Number / Type of Containers ***
 SOCS PH II & V

Field Measurements
 On-Site pH: Chlorine:
 Temperature: Other:

Send Invoice Via:
 Mail: Email: Fax:

QC Level Report
 I II III IV

NOTE: Surcharges apply to Level II, III and IV reports

COMPLIANCE MONITORING?
 Yes No
 Applicable Program
 SDWA CWA RCRA
 Mining Other _____

NEW ADDRESS?
 Results:
 Invoice:

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp. Grab	Matrix	Preservative**	Number / Type of Containers ***	Company	Date	Time
9/25/19	1000	TP01 (Arsenic Treatment Plant)		G	DW	MANY	13 X	City of Yerington, NV	09/25/2019	12:48
								SSAL	9/25/19	13:45

Relinquished By: [Signature] Signature: [Signature] Print Name: DENNIS BECKER Company: City of Yerington, NV Date: 09/25/2019 Time: 12:04
 Received By: [Signature] Signature: [Signature] Print Name: DENNIS BECKER Company: City of Yerington, NV Date: 09/25/2019 Time: 12:04
 Relinquished By: [Signature] Signature: [Signature] Print Name: DENNIS BECKER Company: City of Yerington, NV Date: 09/25/2019 Time: 12:04
 Received By: [Signature] Signature: [Signature] Print Name: DENNIS BECKER Company: City of Yerington, NV Date: 09/25/2019 Time: 12:04
 Relinquished By: [Signature] Signature: [Signature] Print Name: DENNIS BECKER Company: City of Yerington, NV Date: 09/25/2019 Time: 12:04
 Received By: [Signature] Signature: [Signature] Print Name: DENNIS BECKER Company: City of Yerington, NV Date: 09/25/2019 Time: 12:04

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard I & C's or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.
 Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other
 Preservative** 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₃, 6=None, 7=Other
 City of Yerington NV - SDM
 2019 Compliance Monitoring
 19028



Silver State Labs-Reno
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400 FAX: (888) 398-7002
www.ssalabs.com

Definitions & Qualifiers

WO#: 19091313

Date: 10/14/2019

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.

C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.

B - Analyte found above the PQL in associated method blank.

G - Calibration blank analyte detected above PQL.

H - Sample analyzed beyond holding time for this parameter.

J - Estimated Value; Analyte found between MDL and PQL limits.

L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

R - RPD between sample and duplicate sample outside the RPD acceptance limits.

S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.

W - Sample temperature when received was out of limit as specified by method.