



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

July 15, 2019  
Workorder **19061599**

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

Project: COY PW LY-0255-C Mason Road Well / Soc's Ph II & V

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.

19061599: CARBAMATES 531, DBCP&EDB-504, DIQUAT-549, ENDOTHALL-548, GLYPHOSATE 547, HERB-515, PEST&PCB 508, and SVOC-525 have been Sub Contracted.

Sincerely,

A handwritten signature in black ink, appearing to read "Carly Wood", is written in a cursive style.

Carly Wood  
Laboratory Director  
1135 Financial Blvd  
Reno, NV 89502



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# Analytical Report

Workorder#: 19061599  
 Date Reported: 7/15/2019

**Client:** CITY OF YERINGTON  
**Project Name:** COY PW LY-0255-C Mason Road Well / Soc's Ph II & V  
**PO #:**

**Sampled By** Dennis Becker

**Laboratory Accreditation Number** NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
19061599-01	Mason Road Well - SOC's Ph II & V	06/27/2019 9:45	6/27/2019

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		

Original



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

**A9F3812**

**7/15/2019**

Invoice: A918834

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

**RE: Report for A9F3812 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 6/28/2019. 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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<b>Client:</b> Sierra Environmental Monitoring <b>Report To:</b> Joe Nava <b>Project #:</b> 19061599 <b>Received:</b> 6/28/2019 - 12:45 <b>Report Due:</b> 7/15/2019	<b>Invoice To:</b> Sierra Environmental Monitoring <b>Invoice Attn:</b> Kimberly Grover <b>Project PO#:</b> -
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**Sample Receipt Conditions**

<b>Cooler:</b> Default Cooler <b>Temperature on Receipt °C:</b> 0.5	Containers Intact COC/Labels Agree Preservation Confirmed Received On Wet Ice Packing Material - Other 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:**

- BS Blank spike recoveries did not meet acceptance limits.
- BS1.0 Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
- BS1.3 Blank Spike recovery meets the wider acceptance criteria of 50-150% when the spike level is at or below the reporting limit (RL).
- CV0.0 CCV recovery was above method acceptance limits; no material impact on reported result as sample is ND for this parameter.
- 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.

**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
<b>A9F3812-01</b>			
SampleName: 19061599-01A		Sampled: 06/27/2019 09:45	
Matrix: Water		Received: 06/28/2019 12:45	
EDB and DBCP by GC-ECD (Federal)	EPA 504.1	L	
Organohalide Pesticides, PCBs by GC-ECD (Federal)	EPA 505	L	
Chlorinated Acid Herbicides by GC-ECD (40 CFR 141.	EPA 515.4	A	
Semi-Volatile Organics by GC-MS (Federal)	EPA 525.3	B	
Carbamates by HPLC (Federal)	EPA 531.1	D	
Glyphosate by HPLC (Federal)	EPA 547	G	
Endothall by GC-MS (Federal)	EPA 548.1	E	
Diquat by HPLC (Federal)	EPA 549.2	F	

**Certificate of Analysis**

**Sample ID:** A9F3812-01

**Sampled By:** Dennis Becker

**Sample Description:** 19061599-01A // Mason Road Well Soc's Ph II & V

**Sample Date - Time:** 06/27/19 - 09:45

**Matrix:** Drinking Water

**Sample Type:** Grab

**BSK Associates Laboratory Fresno  
Organics**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<b><u>EDB and DBCP by GC-ECD (Federal)</u></b>									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.020	ug/L	1	A909293	07/02/19	07/04/19	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.010	ug/L	1	A909293	07/02/19	07/04/19	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	108 %	<i>Acceptable range: 70-130 %</i>						
<b><u>Organohalide Pesticides, PCBs by GC-ECD (Federal)</u></b>									
Aldrin	EPA 505	ND	0.075	ug/L	1	A909293	07/02/19	07/04/19	
Chlordane	EPA 505	ND	0.20	ug/L	1	A909293	07/02/19	07/04/19	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A909293	07/02/19	07/04/19	
Endrin	EPA 505	ND	0.010	ug/L	1	A909293	07/02/19	07/04/19	
Heptachlor	EPA 505	ND	0.040	ug/L	1	A909293	07/02/19	07/04/19	
Heptachlor Epoxide	EPA 505	ND	0.020	ug/L	1	A909293	07/02/19	07/04/19	
Hexachlorobenzene	EPA 505	ND	0.10	ug/L	1	A909293	07/02/19	07/04/19	
Hexachlorocyclopentadiene	EPA 505	ND	0.10	ug/L	1	A909293	07/02/19	07/04/19	
Lindane	EPA 505	ND	0.020	ug/L	1	A909293	07/02/19	07/04/19	
Methoxychlor	EPA 505	ND	0.10	ug/L	1	A909293	07/02/19	07/04/19	
PCB Aroclor Screen	EPA 505	ND	0.10	ug/L	1	A909293	07/02/19	07/04/19	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A909293	07/02/19	07/04/19	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	108 %	<i>Acceptable range: 70-130 %</i>						
<b><u>Chlorinated Acid Herbicides by GC-ECD (40 CFR 141)</u></b>									
2,4,5-T	EPA 515.4	ND	1.0	ug/L	1	A909455	07/05/19	07/05/19	
2,4,5-TP (Silvex)	EPA 515.4	ND	0.20	ug/L	1	A909455	07/05/19	07/05/19	
2,4-D	EPA 515.4	ND	0.10	ug/L	1	A909455	07/05/19	07/05/19	CV0.0
Bentazon	EPA 515.4	ND	2.0	ug/L	1	A909455	07/05/19	07/05/19	
Dalapon	EPA 515.4	ND	1.0	ug/L	1	A909455	07/05/19	07/05/19	
Dicamba	EPA 515.4	ND	1.5	ug/L	1	A909455	07/05/19	07/05/19	
Dinoseb	EPA 515.4	ND	0.20	ug/L	1	A909455	07/05/19	07/05/19	
Pentachlorophenol	EPA 515.4	ND	0.040	ug/L	1	A909455	07/05/19	07/05/19	
Picloram	EPA 515.4	ND	0.10	ug/L	1	A909455	07/05/19	07/05/19	
Surrogate: DCPAA	EPA 515.4	85 %	<i>Acceptable range: 70-130 %</i>						
<b><u>Semi-Volatile Organics by GC-MS (Federal)</u></b>									
Alachlor	EPA 525.3	ND	0.20	ug/L	1	A909548	07/08/19	07/10/19	
Atrazine	EPA 525.3	ND	0.10	ug/L	1	A909548	07/08/19	07/10/19	
Benzo(a)pyrene	EPA 525.3	ND	0.020	ug/L	1	A909548	07/08/19	07/10/19	
Bis(2-ethylhexyl) adipate	EPA 525.3	ND	0.60	ug/L	1	A909548	07/08/19	07/10/19	
Bis(2-ethylhexyl) phthalate	EPA 525.3	<b>0.63</b>	0.60	ug/L	1	A909548	07/08/19	07/10/19	
Bromacil	EPA 525.3	ND	1.0	ug/L	1	A909548	07/08/19	07/10/19	BS1.0
Butachlor	EPA 525.3	ND	0.38	ug/L	1	A909548	07/08/19	07/10/19	
Diazinon	EPA 525.3	ND	0.25	ug/L	1	A909548	07/08/19	07/10/19	
Dimethoate	EPA 525.3	ND	10	ug/L	1	A909548	07/08/19	07/10/19	
Metolachlor	EPA 525.3	ND	0.50	ug/L	1	A909548	07/08/19	07/10/19	
Metribuzin	EPA 525.3	ND	0.50	ug/L	1	A909548	07/08/19	07/10/19	
Molinate	EPA 525.3	ND	2.0	ug/L	1	A909548	07/08/19	07/10/19	

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.

A9F3812 FINAL 07152019 1014

**Certificate of Analysis**

**Sample ID:** A9F3812-01

**Sampled By:** Dennis Becker

**Sample Description:** 19061599-01A // Mason Road Well Soc's Ph II & V

**Sample Date - Time:** 06/27/19 - 09:45

**Matrix:** Drinking Water

**Sample Type:** Grab

**Organics**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<b><u>Semi-Volatile Organics by GC-MS (Federal)</u></b>									
Propachlor	EPA 525.3	ND	0.50	ug/L	1	A909548	07/08/19	07/10/19	
Simazine	EPA 525.3	ND	0.070	ug/L	1	A909548	07/08/19	07/10/19	
Thiobencarb	EPA 525.3	ND	1.0	ug/L	1	A909548	07/08/19	07/10/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.3	94 %	<i>Acceptable range: 70-130 %</i>						
Surrogate: Benzo(a)pyrene-d12	EPA 525.3	102 %	<i>Acceptable range: 70-130 %</i>						
Surrogate: Triphenyl Phosphate	EPA 525.3	123 %	<i>Acceptable range: 70-130 %</i>						
<b><u>Carbamates by HPLC (Federal)</u></b>									
3-Hydroxycarbofuran	EPA 531.1	ND	2.0	ug/L	1	A909415	07/03/19	07/04/19	
Aldicarb	EPA 531.1	ND	0.50	ug/L	1	A909415	07/03/19	07/04/19	
Aldicarb Sulfone	EPA 531.1	ND	0.80	ug/L	1	A909415	07/03/19	07/04/19	
Aldicarb Sulfoxide	EPA 531.1	ND	0.50	ug/L	1	A909415	07/03/19	07/04/19	
Carbaryl	EPA 531.1	ND	2.0	ug/L	1	A909415	07/03/19	07/04/19	
Carbofuran	EPA 531.1	ND	0.90	ug/L	1	A909415	07/03/19	07/04/19	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A909415	07/03/19	07/04/19	
Oxamyl	EPA 531.1	ND	2.0	ug/L	1	A909415	07/03/19	07/04/19	
<b><u>Glyphosate by HPLC (Federal)</u></b>									
Glyphosate	EPA 547	ND	6.0	ug/L	1	A909212	06/30/19	07/01/19	
Surrogate: AMPA	EPA 547	88 %	<i>Acceptable range: 70-130 %</i>						
<b><u>Endothall by GC-MS (Federal)</u></b>									
Endothall	EPA 548.1	ND	9.0	ug/L	1	A909350	07/02/19	07/03/19	MS1.2
<b><u>Diquat by HPLC (Federal)</u></b>									
Diquat	EPA 549.2	ND	0.40	ug/L	1	A909282	07/02/19	07/05/19	

**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: A909293**

Prepared: 7/2/2019

**Prep Method: EPA 505**

Analyst: PNN

**Blank (A909293-BLK1)**

Dibromochloropropane (DBCP)	ND	0.020	ug/L							07/03/19	
Ethylene Dibromide (EDB)	ND	0.010	ug/L							07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.42			0.46		91	70-130			07/03/19	

**Blank Spike (A909293-BS1)**

Dibromochloropropane (DBCP)	0.10	0.020	ug/L	0.10	ND	103	70-130			07/03/19	
Ethylene Dibromide (EDB)	0.11	0.010	ug/L	0.10	ND	111	70-130			07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.45			0.46		98	70-130			07/03/19	

**Blank Spike Dup (A909293-BSD1)**

Dibromochloropropane (DBCP)	0.10	0.020	ug/L	0.10	ND	102	70-130	1	20	07/04/19	
Ethylene Dibromide (EDB)	0.11	0.010	ug/L	0.10	ND	107	70-130	3	20	07/04/19	
Surrogate: 1-Br-2-Nitrobenzene	0.44			0.46		95	70-130			07/04/19	

**Matrix Spike (A909293-MS1), Source: A9F3442-01**

Dibromochloropropane (DBCP)	0.10	0.020	ug/L	0.10	ND	100	65-135			07/03/19	
Ethylene Dibromide (EDB)	0.11	0.010	ug/L	0.10	ND	106	65-135			07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.43			0.46		94	70-130			07/03/19	

**Matrix Spike Dup (A909293-MSD1), Source: A9F3442-01**

Dibromochloropropane (DBCP)	0.10	0.020	ug/L	0.10	ND	101	65-135	2	20	07/03/19	
Ethylene Dibromide (EDB)	0.11	0.010	ug/L	0.10	ND	105	65-135	0	20	07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.43			0.46		94	70-130			07/03/19	

**EPA 505 - Quality Control**
**Batch: A909293**

Prepared: 7/2/2019

**Prep Method: EPA 505**

Analyst: PNN

**Blank (A909293-BLK1)**

Aldrin	ND	0.075	ug/L							07/03/19	
Chlordane	ND	0.20	ug/L							07/03/19	
Dieldrin	ND	0.020	ug/L							07/03/19	
Endrin	ND	0.010	ug/L							07/03/19	
Heptachlor	ND	0.040	ug/L							07/03/19	
Heptachlor Epoxide	ND	0.020	ug/L							07/03/19	
Hexachlorobenzene	ND	0.10	ug/L							07/03/19	
Hexachlorocyclopentadiene	ND	0.10	ug/L							07/03/19	
Lindane	ND	0.020	ug/L							07/03/19	
Methoxychlor	ND	0.10	ug/L							07/03/19	
PCB Aroclor Screen	ND	0.10	ug/L							07/03/19	
Toxaphene	ND	1.0	ug/L							07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.42			0.46		91	70-130			07/03/19	

**Blank Spike (A909293-BS1)**

Aldrin	0.82	0.075	ug/L	0.74	ND	111	70-130			07/03/19	
Dieldrin	0.19	0.020	ug/L	0.20	ND	96	70-130			07/03/19	

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A9F3812 FINAL 07152019 1014



**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: A909293

Prepared: 7/2/2019

Prep Method: EPA 505

Analyst: PNN

**Blank Spike (A909293-BS1)**

Endrin	0.10	0.010	ug/L	0.10	ND	102	70-130			07/03/19	
Heptachlor	0.10	0.040	ug/L	0.10	ND	104	70-130			07/03/19	
Heptachlor Epoxide	0.10	0.020	ug/L	0.10	ND	103	70-130			07/03/19	
Hexachlorobenzene	1.0	0.10	ug/L	1.0	ND	103	70-130			07/03/19	
Hexachlorocyclopentadiene	0.91	0.10	ug/L	1.0	ND	91	70-130			07/03/19	
Lindane	0.19	0.020	ug/L	0.20	ND	97	70-130			07/03/19	
Methoxychlor	0.95	0.10	ug/L	1.0	ND	95	70-130			07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.45			0.46		98	70-130			07/03/19	

**Blank Spike Dup (A909293-BSD1)**

Aldrin	0.81	0.075	ug/L	0.74	ND	109	70-130	2	20	07/04/19	
Dieldrin	0.19	0.020	ug/L	0.20	ND	94	70-130	2	20	07/04/19	
Endrin	0.098	0.010	ug/L	0.10	ND	98	70-130	5	20	07/04/19	
Heptachlor	0.096	0.040	ug/L	0.10	ND	96	70-130	8	20	07/04/19	
Heptachlor Epoxide	0.099	0.020	ug/L	0.10	ND	99	70-130	4	20	07/04/19	
Hexachlorobenzene	1.0	0.10	ug/L	1.0	ND	102	70-130	2	20	07/04/19	
Hexachlorocyclopentadiene	0.81	0.10	ug/L	1.0	ND	81	70-130	11	20	07/04/19	
Lindane	0.19	0.020	ug/L	0.20	ND	94	70-130	2	20	07/04/19	
Methoxychlor	0.87	0.10	ug/L	1.0	ND	87	70-130	9	20	07/04/19	
Surrogate: 1-Br-2-Nitrobenzene	0.44			0.46		95	70-130			07/04/19	

**Matrix Spike (A909293-MS1), Source: A9F3442-01**

Aldrin	0.78	0.075	ug/L	0.74	ND	105	65-135			07/03/19	
Dieldrin	0.18	0.020	ug/L	0.20	ND	92	65-135			07/03/19	
Endrin	0.097	0.010	ug/L	0.10	ND	97	65-135			07/03/19	
Heptachlor	0.098	0.040	ug/L	0.10	ND	98	65-135			07/03/19	
Heptachlor Epoxide	0.098	0.020	ug/L	0.10	ND	98	65-135			07/03/19	
Hexachlorobenzene	1.0	0.10	ug/L	1.0	ND	101	65-135			07/03/19	
Hexachlorocyclopentadiene	0.88	0.10	ug/L	1.0	ND	88	65-135			07/03/19	
Lindane	0.19	0.020	ug/L	0.20	ND	95	65-135			07/03/19	
Methoxychlor	0.88	0.10	ug/L	1.0	ND	88	65-135			07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.43			0.46		94	70-130			07/03/19	

**Matrix Spike Dup (A909293-MSD1), Source: A9F3442-01**

Aldrin	0.81	0.075	ug/L	0.75	ND	108	65-135	3	20	07/03/19	
Dieldrin	0.19	0.020	ug/L	0.20	ND	95	65-135	4	20	07/03/19	
Endrin	0.096	0.010	ug/L	0.10	ND	95	65-135	1	20	07/03/19	
Heptachlor	0.098	0.040	ug/L	0.10	ND	97	65-135	0	20	07/03/19	
Heptachlor Epoxide	0.10	0.020	ug/L	0.10	ND	101	65-135	4	20	07/03/19	
Hexachlorobenzene	1.0	0.10	ug/L	1.0	ND	101	65-135	1	20	07/03/19	
Hexachlorocyclopentadiene	0.89	0.10	ug/L	1.0	ND	88	65-135	1	20	07/03/19	
Lindane	0.19	0.020	ug/L	0.20	ND	94	65-135	1	20	07/03/19	
Methoxychlor	0.90	0.10	ug/L	1.0	ND	89	65-135	2	20	07/03/19	
Surrogate: 1-Br-2-Nitrobenzene	0.43			0.46		94	70-130			07/03/19	

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A9F3812 FINAL 07152019 1014

**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: A909455

Prepared: 7/5/2019

Prep Method: EPA 515.4

Analyst: PNN

**Blank (A909455-BLK1)**

2,4,5-T	ND	1.0	ug/L							07/05/19	
2,4,5-TP (Silvex)	ND	0.20	ug/L							07/05/19	
2,4-D	ND	0.10	ug/L							07/05/19	
Bentazon	ND	2.0	ug/L							07/05/19	
Dalapon	ND	1.0	ug/L							07/05/19	
Dicamba	ND	1.5	ug/L							07/05/19	
Dinoseb	ND	0.20	ug/L							07/05/19	
Pentachlorophenol	ND	0.040	ug/L							07/05/19	
Picloram	ND	0.10	ug/L							07/05/19	
Surrogate: DCPAA	33			36		93	70-130			07/05/19	

**Blank Spike (A909455-BS1)**

2,4,5-T	1.5	1.0	ug/L	1.6	ND	91	70-130			07/05/19	
2,4,5-TP (Silvex)	0.72	0.20	ug/L	0.80	ND	90	70-130			07/05/19	
2,4-D	0.36	0.10	ug/L	0.40	ND	90	70-130			07/05/19	
Bentazon	1.9	2.0	ug/L	2.0	ND	95	70-130			07/05/19	
Dalapon	3.8	1.0	ug/L	4.0	ND	94	70-130			07/05/19	
Dicamba	0.76	1.5	ug/L	0.80	ND	95	70-130			07/05/19	
Dinoseb	0.77	0.20	ug/L	0.80	ND	96	70-130			07/05/19	
Pentachlorophenol	0.15	0.040	ug/L	0.16	ND	95	70-130			07/05/19	
Picloram	0.38	0.10	ug/L	0.40	ND	95	70-130			07/05/19	
Surrogate: DCPAA	35			36		96	70-130			07/05/19	

**Blank Spike Dup (A909455-BSD1)**

2,4,5-T	1.5	1.0	ug/L	1.6	ND	95	70-130	4	20	07/06/19	
2,4,5-TP (Silvex)	0.74	0.20	ug/L	0.80	ND	93	70-130	3	20	07/06/19	
2,4-D	0.41	0.10	ug/L	0.40	ND	103	70-130	14	20	07/06/19	
Bentazon	1.9	2.0	ug/L	2.0	ND	97	70-130	2	20	07/06/19	
Dalapon	3.9	1.0	ug/L	4.0	ND	97	70-130	4	20	07/06/19	
Dicamba	0.76	1.5	ug/L	0.80	ND	95	70-130	1	20	07/06/19	
Dinoseb	0.76	0.20	ug/L	0.80	ND	95	70-130	1	20	07/06/19	
Pentachlorophenol	0.15	0.040	ug/L	0.16	ND	93	70-130	2	20	07/06/19	
Picloram	0.39	0.10	ug/L	0.40	ND	97	70-130	2	20	07/06/19	
Surrogate: DCPAA	27			36		76	70-130			07/06/19	

**Matrix Spike (A909455-MS1), Source: A9F3408-01**

2,4,5-T	1.8	1.0	ug/L	1.6	ND	100	70-130			07/05/19	
2,4,5-TP (Silvex)	0.88	0.20	ug/L	0.80	ND	110	70-130			07/05/19	
2,4-D	0.43	0.10	ug/L	0.40	ND	109	70-130			07/05/19	
Bentazon	2.0	2.0	ug/L	2.0	ND	100	70-130			07/05/19	
Dalapon	3.9	1.0	ug/L	4.0	ND	98	70-130			07/05/19	
Dicamba	0.81	1.5	ug/L	0.80	ND	101	70-130			07/05/19	
Dinoseb	0.80	0.20	ug/L	0.80	ND	100	70-130			07/05/19	
Pentachlorophenol	0.16	0.040	ug/L	0.16	ND	102	70-130			07/05/19	
Picloram	0.40	0.10	ug/L	0.40	ND	100	70-130			07/05/19	
Surrogate: DCPAA	41			36		115	70-130			07/05/19	

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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 515.4 - Quality Control**

Batch: A909455

Prepared: 7/5/2019

Prep Method: EPA 515.4

Analyst: PNN

**Matrix Spike Dup (A909455-MSD1), Source: A9F3408-01**

2,4,5-T	1.8	1.0	ug/L	1.6	ND	102	70-130	2	30	07/05/19	
2,4,5-TP (Silvex)	0.87	0.20	ug/L	0.80	ND	109	70-130	1	30	07/05/19	
2,4-D	0.43	0.10	ug/L	0.40	ND	108	70-130	1	30	07/05/19	
Bentazon	1.9	2.0	ug/L	2.0	ND	97	70-130	3	30	07/05/19	
Dalapon	3.9	1.0	ug/L	4.0	ND	98	70-130	0	30	07/05/19	
Dicamba	0.81	1.5	ug/L	0.80	ND	101	70-130	0	30	07/05/19	
Dinoseb	0.78	0.20	ug/L	0.80	ND	98	70-130	2	30	07/05/19	
Pentachlorophenol	0.16	0.040	ug/L	0.16	ND	100	70-130	2	30	07/05/19	
Picloram	0.38	0.10	ug/L	0.40	ND	96	70-130	4	30	07/05/19	
Surrogate: DCPAA	40			36		110	70-130			07/05/19	

**EPA 525.3 - Quality Control**

Batch: A909548

Prepared: 7/8/2019

Prep Method: EPA 525.3

Analyst: JKH

**Blank (A909548-BLK1)**

Alachlor	ND	0.20	ug/L							07/08/19	
Atrazine	ND	0.10	ug/L							07/08/19	
Benzo(a)pyrene	ND	0.020	ug/L							07/08/19	
Bis(2-ethylhexyl) adipate	ND	0.60	ug/L							07/08/19	
Bis(2-ethylhexyl) phthalate	ND	0.60	ug/L							07/08/19	
Bromacil	ND	0.80	ug/L							07/08/19	
Butachlor	ND	0.25	ug/L							07/08/19	
Diazinon	ND	0.020	ug/L							07/08/19	
Dimethoate	ND	1.0	ug/L							07/08/19	
Metolachlor	ND	0.50	ug/L							07/08/19	
Metribuzin	ND	0.50	ug/L							07/08/19	
Molinate	ND	0.50	ug/L							07/08/19	
Propachlor	ND	0.50	ug/L							07/08/19	
Simazine	ND	0.070	ug/L							07/08/19	
Thiobencarb	ND	0.10	ug/L							07/08/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	1.0			1.0		100	70-130			07/08/19	
Surrogate: Benzo(a)pyrene-d12	1.0			1.0		101	70-130			07/08/19	
Surrogate: Triphenyl Phosphate	1.1			1.0		112	70-130			07/08/19	

**Blank (A909548-BLK2)**

Alachlor	ND	0.20	ug/L							07/10/19	
Atrazine	ND	0.10	ug/L							07/10/19	
Benzo(a)pyrene	ND	0.020	ug/L							07/10/19	
Bis(2-ethylhexyl) adipate	ND	0.60	ug/L							07/10/19	
Bis(2-ethylhexyl) phthalate	ND	0.60	ug/L							07/10/19	
Bromacil	ND	0.80	ug/L							07/10/19	
Butachlor	ND	0.25	ug/L							07/10/19	
Diazinon	ND	0.020	ug/L							07/10/19	
Dimethoate	ND	1.0	ug/L							07/10/19	
Metolachlor	ND	0.50	ug/L							07/10/19	

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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 525.3 - Quality Control**

Batch: A909548

Prepared: 7/8/2019

Prep Method: EPA 525.3

Analyst: JKH

**Blank (A909548-BLK2)**

Metribuzin	ND	0.50	ug/L							07/10/19	
Molinate	ND	0.50	ug/L							07/10/19	
Propachlor	ND	0.50	ug/L							07/10/19	
Simazine	ND	0.070	ug/L							07/10/19	
Thiobencarb	ND	0.10	ug/L							07/10/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.97			1.0		97	70-130			07/10/19	
Surrogate: Benzo(a)pyrene-d12	0.94			1.0		94	70-130			07/10/19	
Surrogate: Triphenyl Phosphate	1.1			1.0		113	70-130			07/10/19	

**Blank Spike (A909548-BS1)**

Alachlor	0.10	0.20	ug/L	0.10	ND	102	70-130			07/08/19	
Atrazine	0.055	0.10	ug/L	0.050	ND	109	70-130			07/08/19	
Benzo(a)pyrene	0.0081	0.020	ug/L	0.010	ND	81	70-130			07/08/19	
Bis(2-ethylhexyl) adipate	0.20	0.60	ug/L	0.20	ND	99	70-130			07/08/19	
Bis(2-ethylhexyl) phthalate	0.57	0.60	ug/L	0.60	ND	96	70-130			07/08/19	
Bromacil	0.046	0.80	ug/L	0.050	ND	92	70-130			07/08/19	
Butachlor	0.048	0.25	ug/L	0.050	ND	96	70-130			07/08/19	
Diazinon	0.0089	0.020	ug/L	0.010	ND	89	70-130			07/08/19	
Dimethoate	0.37	1.0	ug/L	0.40	ND	93	70-130			07/08/19	
Metolachlor	0.051	0.50	ug/L	0.050	ND	101	70-130			07/08/19	
Metribuzin	0.049	0.50	ug/L	0.050	ND	99	70-130			07/08/19	
Molinate	0.054	0.50	ug/L	0.050	ND	109	70-130			07/08/19	
Propachlor	0.052	0.50	ug/L	0.050	ND	103	70-130			07/08/19	
Simazine	0.032	0.070	ug/L	0.035	ND	90	70-130			07/08/19	
Thiobencarb	0.053	0.10	ug/L	0.050	ND	106	70-130			07/08/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	1.0			1.0		100	70-130			07/08/19	

**Blank Spike (A909548-BS2)**

Alachlor	0.11	0.20	ug/L	0.10	ND	112	70-130			07/10/19	
Atrazine	0.051	0.10	ug/L	0.050	ND	102	70-130			07/10/19	
Benzo(a)pyrene	0.0083	0.020	ug/L	0.010	ND	83	70-130			07/10/19	
Bis(2-ethylhexyl) adipate	0.24	0.60	ug/L	0.20	ND	120	70-130			07/10/19	
Bis(2-ethylhexyl) phthalate	0.77	0.60	ug/L	0.60	ND	128	70-130			07/10/19	
Bromacil	0.079	0.80	ug/L	0.050	ND	158	70-130			07/10/19	BS High
Butachlor	0.070	0.25	ug/L	0.050	ND	141	70-130			07/10/19	BS1.3 High
Diazinon	0.0096	0.020	ug/L	0.010	ND	96	70-130			07/10/19	
Dimethoate	0.49	1.0	ug/L	0.40	ND	122	70-130			07/10/19	
Metolachlor	0.061	0.50	ug/L	0.050	ND	122	70-130			07/10/19	
Metribuzin	0.053	0.50	ug/L	0.050	ND	106	70-130			07/10/19	
Molinate	0.061	0.50	ug/L	0.050	ND	121	70-130			07/10/19	
Propachlor	0.059	0.50	ug/L	0.050	ND	118	70-130			07/10/19	
Simazine	0.039	0.070	ug/L	0.035	ND	111	70-130			07/10/19	
Thiobencarb	0.058	0.10	ug/L	0.050	ND	115	70-130			07/10/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.94			1.0		94	70-130			07/10/19	

**Blank Spike Dup (A909548-BSD1)**

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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 525.3 - Quality Control**

Batch: A909548

Prepared: 7/8/2019

Prep Method: EPA 525.3

Analyst: JKH

**Blank Spike Dup (A909548-BSD1)**

Alachlor	0.11	0.20	ug/L	0.10	ND	107	70-130	5	30	07/08/19	
Atrazine	0.054	0.10	ug/L	0.050	ND	109	70-130	0	30	07/08/19	
Benzo(a)pyrene	0.0087	0.020	ug/L	0.010	ND	87	70-130	7	30	07/08/19	
Bis(2-ethylhexyl) adipate	0.22	0.60	ug/L	0.20	ND	111	70-130	11	30	07/08/19	
Bis(2-ethylhexyl) phthalate	0.62	0.60	ug/L	0.60	ND	103	70-130	7	30	07/08/19	
Bromacil	0.050	0.80	ug/L	0.050	ND	100	70-130	9	30	07/08/19	
Butachlor	0.051	0.25	ug/L	0.050	ND	103	70-130	7	30	07/08/19	
Diazinon	0.0088	0.020	ug/L	0.010	ND	88	70-130	1	30	07/08/19	
Dimethoate	0.40	1.0	ug/L	0.40	ND	99	70-130	6	30	07/08/19	
Metolachlor	0.054	0.50	ug/L	0.050	ND	107	70-130	6	30	07/08/19	
Metribuzin	0.052	0.50	ug/L	0.050	ND	104	70-130	5	30	07/08/19	
Molinate	0.057	0.50	ug/L	0.050	ND	115	70-130	5	30	07/08/19	
Propachlor	0.053	0.50	ug/L	0.050	ND	107	70-130	4	30	07/08/19	
Simazine	0.033	0.070	ug/L	0.035	ND	96	70-130	6	30	07/08/19	
Thiobencarb	0.053	0.10	ug/L	0.050	ND	106	70-130	0	30	07/08/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	1.0			1.0		101	70-130			07/08/19	

**Blank Spike Dup (A909548-BSD2)**

Alachlor	0.12	0.20	ug/L	0.10	ND	120	70-130	7	30	07/10/19	
Atrazine	0.054	0.10	ug/L	0.050	ND	108	70-130	6	30	07/10/19	
Benzo(a)pyrene	0.0089	0.020	ug/L	0.010	ND	89	70-130	7	30	07/10/19	
Bis(2-ethylhexyl) adipate	0.27	0.60	ug/L	0.20	ND	135	70-130	11	30	07/10/19	BS1.3 High
Bis(2-ethylhexyl) phthalate	0.85	0.60	ug/L	0.60	ND	142	70-130	10	30	07/10/19	BS1.3 High
Bromacil	0.089	0.80	ug/L	0.050	ND	178	70-130	12	30	07/10/19	BS High
Butachlor	0.075	0.25	ug/L	0.050	ND	150	70-130	6	30	07/10/19	BS1.3 High
Diazinon	0.011	0.020	ug/L	0.010	ND	110	70-130	13	30	07/10/19	
Dimethoate	0.53	1.0	ug/L	0.40	ND	133	70-130	9	30	07/10/19	BS1.3 High
Metolachlor	0.065	0.50	ug/L	0.050	ND	130	70-130	6	30	07/10/19	
Metribuzin	0.058	0.50	ug/L	0.050	ND	117	70-130	9	30	07/10/19	
Molinate	0.064	0.50	ug/L	0.050	ND	128	70-130	5	30	07/10/19	
Propachlor	0.061	0.50	ug/L	0.050	ND	122	70-130	4	30	07/10/19	
Simazine	0.042	0.070	ug/L	0.035	ND	119	70-130	6	30	07/10/19	
Thiobencarb	0.061	0.10	ug/L	0.050	ND	121	70-130	5	30	07/10/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.98			1.0		98	70-130			07/10/19	

**Matrix Spike (A909548-MS1), Source: A9F3586-01**

Alachlor	0.41	0.20	ug/L	0.38	ND	107	70-130			07/08/19	
Atrazine	0.20	0.10	ug/L	0.19	ND	106	70-130			07/08/19	
Benzo(a)pyrene	0.033	0.020	ug/L	0.038	ND	81	70-130			07/08/19	
Bis(2-ethylhexyl) adipate	0.91	0.60	ug/L	0.76	ND	120	70-130			07/08/19	
Bis(2-ethylhexyl) phthalate	2.6	0.60	ug/L	2.3	ND	113	70-130			07/08/19	
Bromacil	0.24	0.80	ug/L	0.19	ND	124	70-130			07/08/19	
Butachlor	0.19	0.25	ug/L	0.19	ND	100	70-130			07/08/19	
Diazinon	0.039	0.020	ug/L	0.038	ND	104	70-130			07/08/19	
Dimethoate	1.6	1.0	ug/L	1.5	ND	108	70-130			07/08/19	
Metolachlor	0.20	0.50	ug/L	0.19	ND	107	70-130			07/08/19	

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

**Batch: A909548**

Prepared: 7/8/2019

**Prep Method: EPA 525.3**

Analyst: JKH

**Matrix Spike (A909548-MS1), Source: A9F3586-01**

Metribuzin	0.20	0.50	ug/L	0.19	ND	107	70-130			07/08/19	
Molinate	0.20	0.50	ug/L	0.19	ND	106	70-130			07/08/19	
Propachlor	0.20	0.50	ug/L	0.19	ND	105	70-130			07/08/19	
Simazine	0.13	0.070	ug/L	0.13	ND	97	70-130			07/08/19	
Thiobencarb	0.20	0.10	ug/L	0.19	ND	105	70-130			07/08/19	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.93			0.95		98	70-130			07/08/19	

**EPA 531.1 - Quality Control**

**Batch: A909415**

Prepared: 7/3/2019

**Prep Method: EPA 531.1**

Analyst: JNG

**Blank (A909415-BLK1)**

3-Hydroxycarbofuran	ND	2.0	ug/L							07/03/19	
Aldicarb	ND	0.50	ug/L							07/03/19	
Aldicarb Sulfone	ND	0.80	ug/L							07/03/19	
Aldicarb Sulfoxide	ND	0.50	ug/L							07/03/19	
Carbaryl	ND	2.0	ug/L							07/03/19	
Carbofuran	ND	0.90	ug/L							07/03/19	
Methomyl	ND	2.0	ug/L							07/03/19	
Oxamyl	ND	2.0	ug/L							07/03/19	

**Blank Spike (A909415-BS1)**

3-Hydroxycarbofuran	4.3	2.0	ug/L	4.0	ND	106	80-120			07/04/19	
Aldicarb	2.2	0.50	ug/L	2.0	ND	108	80-120			07/04/19	
Aldicarb Sulfone	3.4	0.80	ug/L	3.2	ND	105	80-120			07/04/19	
Aldicarb Sulfoxide	1.9	0.50	ug/L	2.0	ND	93	80-120			07/04/19	
Carbaryl	4.3	2.0	ug/L	4.0	ND	108	80-120			07/04/19	
Carbofuran	3.9	0.90	ug/L	3.6	ND	110	80-120			07/04/19	
Methomyl	4.3	2.0	ug/L	4.0	ND	108	80-120			07/04/19	
Oxamyl	4.4	2.0	ug/L	4.0	ND	110	80-120			07/04/19	

**Blank Spike Dup (A909415-BSD1)**

3-Hydroxycarbofuran	4.1	2.0	ug/L	4.0	ND	102	80-120	4	20	07/04/19	
Aldicarb	2.0	0.50	ug/L	2.0	ND	102	80-120	6	20	07/04/19	
Aldicarb Sulfone	3.3	0.80	ug/L	3.2	ND	103	80-120	2	20	07/04/19	
Aldicarb Sulfoxide	1.8	0.50	ug/L	2.0	ND	91	80-120	2	20	07/04/19	
Carbaryl	4.2	2.0	ug/L	4.0	ND	106	80-120	2	20	07/04/19	
Carbofuran	4.2	0.90	ug/L	3.6	ND	118	80-120	7	20	07/04/19	
Methomyl	4.2	2.0	ug/L	4.0	ND	105	80-120	2	20	07/04/19	
Oxamyl	4.2	2.0	ug/L	4.0	ND	105	80-120	5	20	07/04/19	

**Matrix Spike (A909415-MS1), Source: A9F3495-01**

3-Hydroxycarbofuran	4.1	2.0	ug/L	4.0	ND	103	65-135			07/04/19	
Aldicarb	2.0	0.50	ug/L	2.0	ND	102	65-135			07/04/19	
Aldicarb Sulfone	3.4	0.80	ug/L	3.2	ND	105	65-135			07/04/19	
Aldicarb Sulfoxide	2.0	0.50	ug/L	2.0	ND	100	65-135			07/04/19	

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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 531.1 - Quality Control**

Batch: A909415

Prepared: 7/3/2019

Prep Method: EPA 531.1

Analyst: JNG

**Matrix Spike (A909415-MS1), Source: A9F3495-01**

Carbaryl	4.4	2.0	ug/L	4.0	ND	109	65-135			07/04/19	
Carbofuran	3.7	0.90	ug/L	3.6	ND	102	65-135			07/04/19	
Methomyl	4.3	2.0	ug/L	4.0	ND	107	65-135			07/04/19	
Oxamyl	4.3	2.0	ug/L	4.0	ND	108	65-135			07/04/19	

**EPA 547 - Quality Control**

Batch: A909212

Prepared: 6/30/2019

Prep Method: EPA 547

Analyst: JNG

**Blank (A909212-BLK1)**

Glyphosate	ND	6.0	ug/L							07/01/19	
Surrogate: AMPA	190			200		95	70-130			07/01/19	

**Blank Spike (A909212-BS1)**

Glyphosate	97	6.0	ug/L	100	ND	97	70-130			07/01/19	
Surrogate: AMPA	170			200		87	70-130			07/01/19	

**Blank Spike Dup (A909212-BSD1)**

Glyphosate	93	6.0	ug/L	100	ND	93	70-130	4	30	07/01/19	
Surrogate: AMPA	170			200		85	70-130			07/01/19	

**Matrix Spike (A909212-MS1), Source: A9F2960-01**

Glyphosate	96	6.0	ug/L	100	ND	96	70-130			07/01/19	
Surrogate: AMPA	160			200		82	70-130			07/01/19	

**Matrix Spike Dup (A909212-MSD1), Source: A9F2960-01**

Glyphosate	100	6.0	ug/L	100	ND	101	70-130	5	30	07/01/19	
Surrogate: AMPA	170			200		86	70-130			07/01/19	

**EPA 548.1 - Quality Control**

Batch: A909350

Prepared: 7/2/2019

Prep Method: EPA 548.1

Analyst: JKH

**Blank (A909350-BLK1)**

Endothall	ND	9.0	ug/L							07/03/19	
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**Blank (A909350-BLK2)**

Endothall	ND	9.0	ug/L							07/03/19	
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**Blank (A909350-BLK3)**

Endothall	ND	9.0	ug/L							07/03/19	
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**Blank (A909350-BLK4)**

Endothall	ND	9.0	ug/L							07/03/19	
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**Blank Spike (A909350-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.

A9F3812 FINAL 07152019 1014

**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 548.1 - Quality Control**

**Batch: A909350**

Prepared: 7/2/2019

**Prep Method: EPA 548.1**

Analyst: JKH

**Blank Spike (A909350-BS1)**

Endothall	17	9.0	ug/L	20	ND	86	46-116			07/03/19	
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**Blank Spike Dup (A909350-BSD1)**

Endothall	15	9.0	ug/L	20	ND	76	46-116	12	30	07/03/19	
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**MRL Check (A909350-MRL1)**

Endothall	ND	9.0	ug/L	2.0	ND	102	0-200			07/03/19	
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**MRL Check (A909350-MRL2)**

Endothall	ND	9.0	ug/L	2.0	ND	100	0-200			07/03/19	
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**MRL Check (A909350-MRL3)**

Endothall	ND	9.0	ug/L	2.0	ND	88	0-200			07/03/19	
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**Matrix Spike (A909350-MS1), Source: A9F3812-01**

Endothall	5.3	9.0	ug/L	20	ND	26	46-116			07/03/19	MS1.0 <b>Low</b>
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**EPA 549.2 - Quality Control**

**Batch: A909282**

Prepared: 7/2/2019

**Prep Method: EPA 549.2**

Analyst: ANM

**Blank (A909282-BLK1)**

Diquat	ND	0.40	ug/L							07/05/19	
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**Blank Spike (A909282-BS1)**

Diquat	3.5	0.40	ug/L	4.0	ND	87	70-130			07/05/19	
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**Blank Spike Dup (A909282-BSD1)**

Diquat	3.5	0.40	ug/L	4.0	ND	89	70-130	1	30	07/05/19	
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**Matrix Spike (A909282-MS1), Source: A9F3408-01**

Diquat	2.8	0.40	ug/L	4.0	ND	69	70-130			07/05/19	MS1.0 <b>Low</b>
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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



**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.

**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	4021-011
State of Nevada	CA000792019-1	State of Oregon - NELAP	4021-011
EPA - UCMR4	CA00079	State of Washington	C997-19a

**Sacramento**

State of California - ELAP	2435
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**San Bernardino**

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

**Vancouver**

NELAP certified	WA100008-012	State of Oregon - NELAP	WA100008-012
State of Washington	C824-18b		



# Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info	Is temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$			Are correct containers and preservatives received for the tests requested?		
	Yes	No	NA	Yes	No	NA
COC Info	If samples were taken today, is there evidence that chilling has begun?			Bubbles Present in VOA (524.2/TCP/TTHM)?		
	Yes	No	NA	Yes	No	NA
COC Info	Did all bottles arrive unbroken and intact?			TB Received? (Check Method Below)		
	Yes	No	NA	Yes	No	NA
COC Info	Do all bottle labels agree with COC?			Is sufficient amount of sample received?		
	Yes	No	NA	Yes	No	NA
COC Info	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?			Do samples have a hold time <72 hours?		
	Yes	No	NA	Yes	No	NA
COC Info				Has PM been notified of discrepancies?		
	Yes	No	NA	Yes	No	NA
COC Info				PM: By/Time:		
	Yes	No	NA	Yes	No	NA
Bottles Received	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks	Passed?	1	12	
	Bacti $\text{Na}_2\text{S}_2\text{O}_3$	—	—			
Bottles Received	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			
Bottles Received	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			
Bottles Received	$\text{HNO}_3$ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	—	—			
	$\text{H}_2\text{SO}_4$ (P) or (AG) Yellow Cap/Label	pH < 2	P F			
Bottles Received	NaOH (P) Green Cap	Cl, pH > 10	P F			
	NaOH + ZnAc (P)	pH > 9	P F			
Bottles Received	Dissolved Oxygen 300ml (g)	—	—			
	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—			
Bottles Received	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	—	—			
	Ascorbic, EDTA, $\text{KH}_2\text{Ct}$ (AG) Pink Label 525	—	—	2C		
Bottles Received	$\text{Na}_2\text{SO}_3$ 250mL (AG) Neon Green Label 515	—	—	IA		
	$\text{Na}_2\text{S}_2\text{O}_3$ 1 Liter (Brown P) 549	—	—	IC		
Bottles Received	$\text{Na}_2\text{S}_2\text{O}_3$ (AG) Blue Label 548, TTHM, 524	—	—	IA		
	$\text{Na}_2\text{S}_2\text{O}_3$ (CG) Blue Label 504, 505, 547	—	—	TV	2VTB	
Bottles Received	$\text{Na}_2\text{S}_2\text{O}_3$ + MCAA (CG) Orange Label 531	pH < 3	P F	IV		
	$\text{NH}_4\text{Cl}$ (AG) Purple Label 552	—	—			
Bottles Received	EDA (AG) Brown Label DBPs	—	—			
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	—	—			
Bottles Received	Buffer pH 4 (CG)	—	—			
	$\text{H}_3\text{PO}_4$ (CG) Salmon Label	—	—			
Bottles Received	Trizma - EPA 537.1	—	—			
	Other:					
Bottles Received	Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—			
	Bottled Water	—	—			
Bottles Received	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		
Split	S P			S P		
	S P			S P		
Comments				✓ Indicates Blanks Received		
				504 ✓ 524.2 ___ TCP ___ TTHM ___ 537 ___ 8260/624 ___		

*Handwritten signature and date: 6/28/19*

Scanned: \_\_\_\_\_





CHAIN OF CUSTODY RECORD

COC ID: 5288 PAGE: 1 OF: 1

ADDRESS Silver State Labs-Reno 1135 Financial Blvd Reno, NV 89502

O.S.#54



06/28/2019 10 1135 Financial Blvd Reno, NV 89502 TEL: (775) 857-2400 FAX: (888) 398-7002 te: www.ssalabs.com

SUB CONTRACTOR BSK-R COMPANY: BSK Laboratory

ADDRESS: 1414 Stanislaus Street

CITY, STATE, ZIP: Fresno, CA 93706

PHONE: (559) 497-2888

ACCOUNT #: 19061599

ANALYTICAL PARAMETERS: SUB-SVOC-525-R (SUB) ✓ SUB-PESTPCB 508-R (SUB) ✓ SUB-HERB-515-R (SUB) ✓ SUB-GLYPHOSATE 547-R (E547) ✓ SUB-ENDOTHALL-548-R (E548) ✓ SUB-DIQUAT-549-R (E549) ✓ SUB-DBCPEDB-504-R (SUB) ✓ SUB-CARBAMATES 531-R (SUB) ✓

PO#: 19061599 SAMPLER: Dennis Becker

EMAIL: DENNIS.BECKER@BSKLABS.COM

ITEM #	SAMPLE ID	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS
1	19061599-01A	Mason Road Well - Soc's Ph II & V	Drinking Water		06/27/2019 9:45	13

2 Travel blank 504 # 118018

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

Requested By: Bentler Date: 6/27/19 Time: 5:30 Received By: [Signature] Date: 6/28/19 Time: 1:35

Requisitioned By: [Signature] Date: 6/27/19 Time: 5:30 Received By: [Signature] Date: 6/28/19 Time: 1:35

Relinquished By: [Signature] Date: 6/27/19 Time: 5:30 Received By: [Signature] Date: 6/28/19 Time: 1:35

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

Note: RUSH requests will incur surcharges!

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

Temp of samples: 0.5 °C Attempt to Cool? Yes

Comments: FOR LAB USE ONLY

UPS, wet ice





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

## Definitions & Qualifiers

WO#: 19061599

Date: 7/15/2019

### 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.